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THE  
BUYERS'  
GUIDE  
1905-1906

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THOMAS'  
REGISTER  
OF  
AMERICAN  
MANUFACTURERS  
AND  
FIRST HANDS  
IN ALL LINES

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THOMAS PUB'G. CO.

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## PUBLISHERS NOTE

In producing this work the publishers have aimed to present a compact, quick Reference Book for Domestic and Foreign Buyers of American Made Goods, arranged according to a simple system that will enable the user to instantly ascertain who makes any specific kind of article desired.

No previous work has ever approached this publication in points of comprehensiveness, definite, detailed information, compact form and arrangement for quick reference. There have been far less comprehensive works, both as to detail and number of names, but printed in slightly larger type and arranged upon other systems that made a volume ten times the bulk of this one. The advantages of our convenient form will be obvious to every buyer.

### INSTRUCTIONS.

**LOOK FOR THE LEADING OR MAIN NAME OF THE ARTICLE WANTED.** The index to these names is carried in alphabetical order at the top of each column throughout the book, enabling the user to instantly find the page of the book on which is the heading naming any known article. Following the heading for every article the names of the Manufacturers or First hands are given, arranged alphabetically: 1st, by States; 2d, by cities and towns in the States, and 3d, according to names of manufacturers in each city or town. After the name of each manufacturer, the specific kind or kinds of article made by that manufacturer are specified in parenthesis. Following this is a capital letter or letters indicating the capital rating.

**FOR EXAMPLE:** "Automatic Sight Feed Lubricators" is indexed under the main name "LUBRICATORS", and the specific kind (Automatic Sight Feed) appears in parenthesis after the name of each manufacturer that makes this kind of lubricator. The same rule applies to the 2,500 articles or main headings, and to the 38,000 specific kinds of articles named in the book.

The Capital letters following the names of Manufacturers indicate capital ratings, according to the following scale:

AAAA	.....over \$1,000,000	D	.....over \$10,000
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AA	.....over 200,000	F	.....over 2,500
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Main Sections, - - - pages I-1161

Appendix - - - " 1162-1228

1228 PAGES

98,240 NAMES

1905 - 1906

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of American  
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AND  
First Hands  
in all Lines

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(The result of ten years experience in Publishing  
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## COMPACTNESS—

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EIGHTH YEAR 1905.

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## CONTENTS

**SEC. I.—WHOLESALE GROCERS** of the United States, Canada, Cuba, Porto Rico. There is a distinction made between the houses considered strictly wholesale and those not strictly wholesale. In the strictly wholesale list of the United States, there are 1,728 names; in the list of those not strictly wholesale, 1,091 names, making a total of 2,819 names in the Grocery list of the United States. In addition to the above the list includes 187 Wholesale Grocers of Canada; 434 Wholesale Grocers and Provision Dealers in Cuba; 136 in Porto Rico, and 8 in Hawaii.

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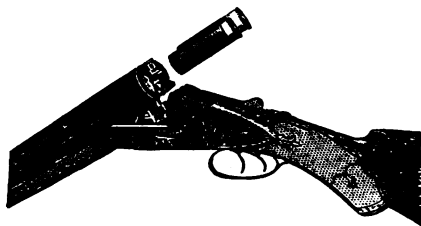
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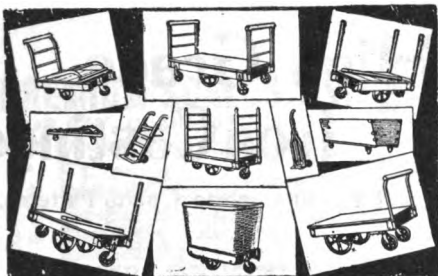
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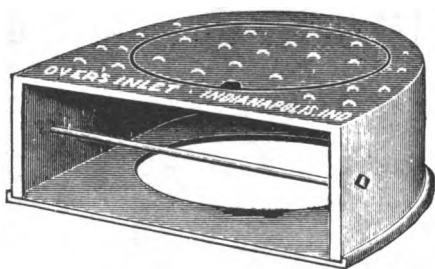
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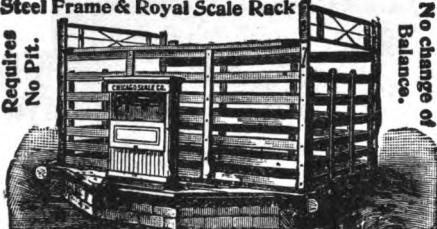
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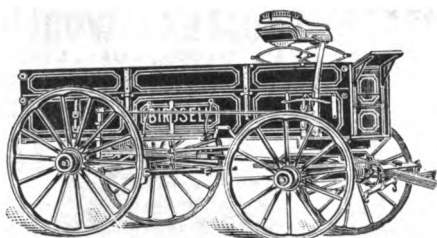
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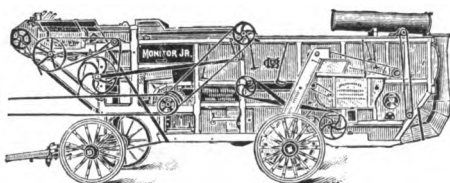
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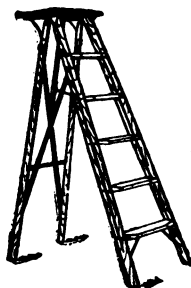
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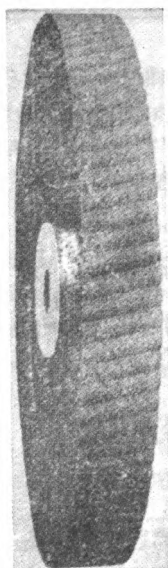
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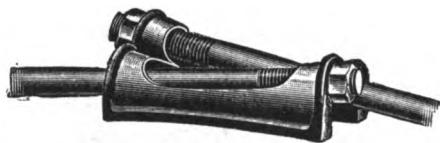
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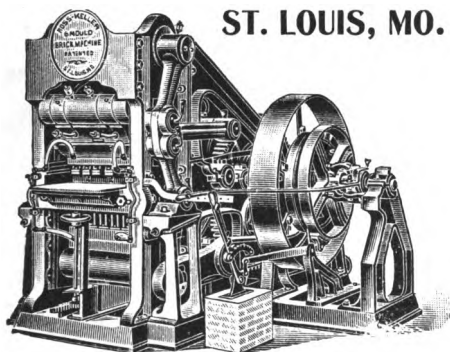


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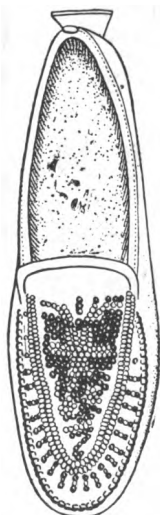
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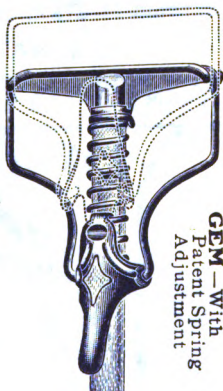
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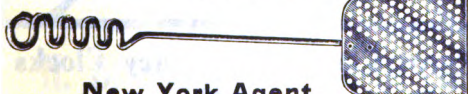
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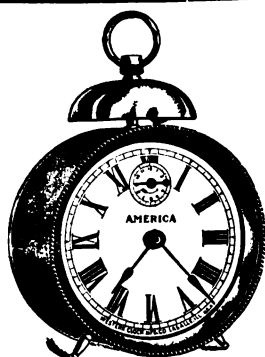
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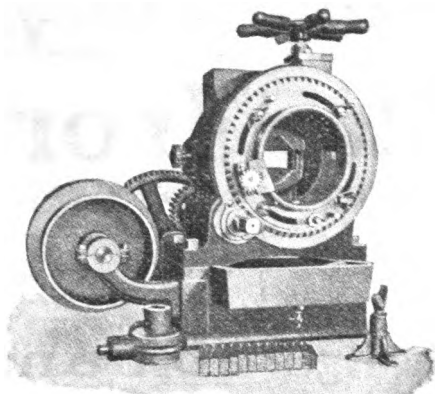


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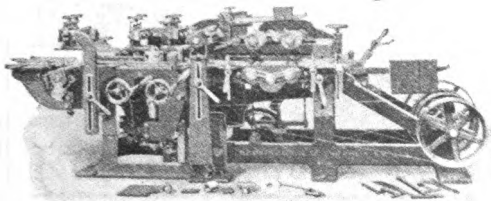
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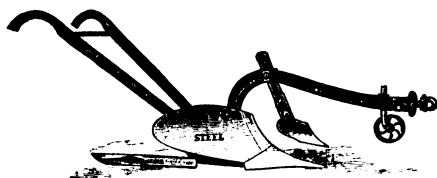
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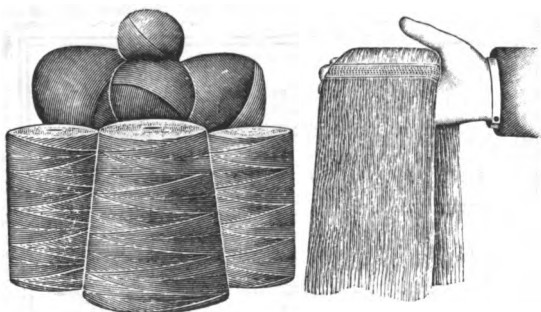
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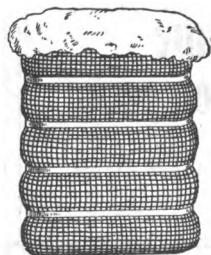
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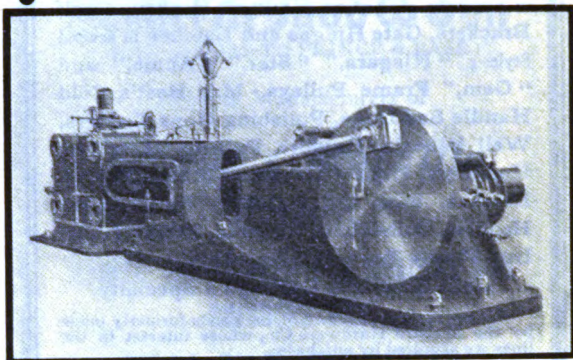
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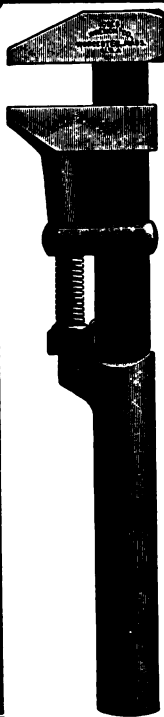
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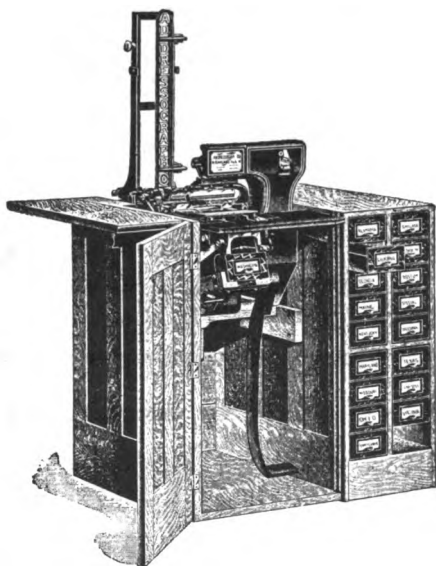
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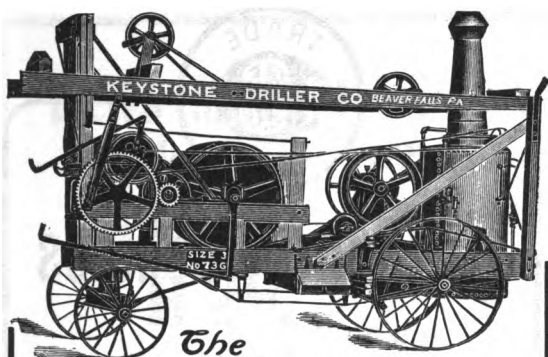
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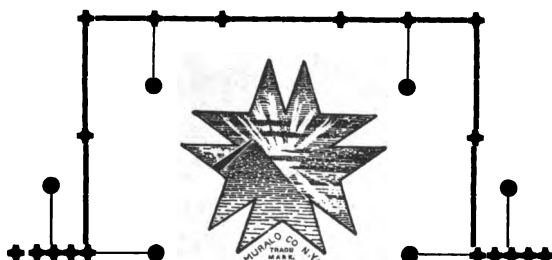
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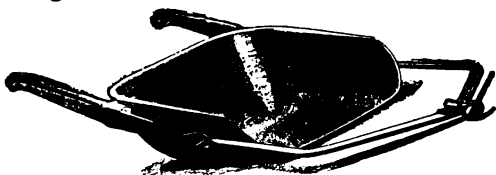
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
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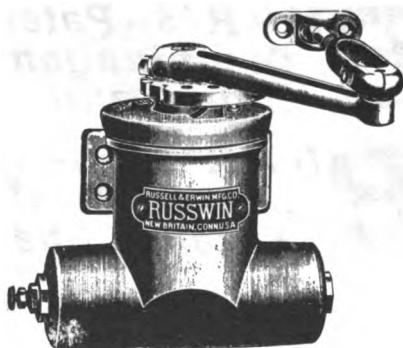
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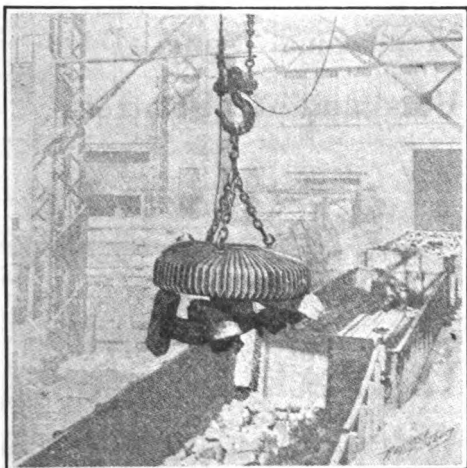
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Morgan Construction Co.  
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Water (Hydraulic).....A

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tric).....AA

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Liberty (Hydraulic)AAAA

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Dey St. (Hydraulic;  
Steam).....AA

N. Y.—Schenectady  
General Electric Co. (Elec-  
tric).....AAAA

N. Y.—Syracuse  
Boomer & Boschert Press  
Co. (Hydraulic).....A

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Alliance Machine Co. (Hy-  
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Morgan Engineering (Hy-  
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OHIO—Cleveland  
Snider-Hughes Co., Coe &  
Hamilton (Hydraulic)...B

OHIO—Youngstown  
Tod Co., William (Hydrau-  
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Chambersburg Engineering  
Co. (Hydraulic).....A

PA.—Chester  
Vulcan Works (Hydraulic) E

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Penn. Engineering Works  
(Hydraulic).....AA

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Co. (Electric).....AAAA

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12th (Hydraulic).....B

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Co., So. 23d & Washn' Av.  
(Hydraulic).....A

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Hamilton (Hydraulic)  
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Chestnut (Hydraulic)  
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Garrison Foundry Co., A.  
(Hydraulic).....AAA

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Co., 1001 Bingham (Hy-  
draulic).....A

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Blk. (Hydraulic)....AA

Schafie Foundry & Ma-  
chine Co., 28th & Small-  
man (Hydraulic).....B

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Foundry Co., 54th & A.  
Y. Ry. (Hydraulic).....A

WIS.—Cudahy  
Power & Mining Machine  
Co. (Chloride; Hydrau-  
lic).....AAAA

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Mallinckrodt Chemical  
Works .....AAAA

New York City  
Bischoff & Co., C. ....B

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N. Y. Quinine & Chemical  
Wks .....AA

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Berghausen Chem. Co., The  
E. ....B

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Cal. Citrus Products Co.  
(Citric) .....B

CAL.—San Francisco  
Pacific Coast Borax Co.  
(Boracic) .....AAAA

San. Fran. Chemical Co.  
Marquette Bldg. (Sul-  
phuric) .....B

COLO.—Denver  
Western Chemical Co. (Mu-  
riatic; Nitric; Sulphuric)  
AA

GA.—Newnan  
Coweta Fertilizer Co. (Sul-  
phuric) .....AAAA

ILL.—Chicago  
Fuller & Fuller (Acetic)...AA

Hutchinson & Son, W. H.  
(Citric; Tartaric).....A

Liquid Carbonic Acid Mfg.  
Co. (Liquid Carbonic)  
AAAA

Mineral Point Zinc Co.,  
Marquette Bldg. (Sul-  
phuric).....AA

ILL.—East St. Louis  
Carbon Di-oxide Corp. (Car-  
bonic).....B

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bonic).....AAAA

ILL.—La Salle  
Mathliessen & Hegeler Zinc  
Co. (Sulphuric)....AAAA

ILL.—Peru  
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AAA

LA.—New Orleans  
National Acid Co. (Muri-  
atic; Nitric; Sulphuric) A

Standard Guano & Chemical  
Co. (Sulphuric; Muriatic)  
AA

MD.—Baltimore  
Davidson Chemical Co. (Sul-  
phuric).....AA

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American Oxalic Acid Co. 185 Summer (Oxalic) ...X

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Michigan Carbon Works (Sulphuric; Phosphoric; Muriatic) .....AAA

**MO.—St. Louis**

Herr & Frerichs Chemical Co. (Salicylic) .....A

Larkin & Scheffer Chemical Co. (Acetic) .....A

Mallinckrodt Chemical Works (Acetic; Benzolic; Boracic; Butyric; Carbolic; Chromic; Gallic; Hydrobromic; Hydrofluoric; Lactic; Muriatic; Nitric; Salicylic; Sulphuric; Valerianic) .....AAAA

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**N. Y.—Binghamton**

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**N. Y.—Brooklyn**

American Tartar Co. (Citric; Tartaric) .....X

Enequist, Erik, N. 8th & Roebbling (Hydrofluoric) ...D

Squibb & Sons, E. R. (Acetic) .....A

Wiarda & Co., John C. (Arsenious; Gallic; Hydrofluoric; Boracic) ....A

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Schoelkopf, Hartford & Hanna Co. (Boracic; Crystall; Carbolic; Phosphoric; Benzolic; Cresylic) .....AAA

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Feuchtwanger & Co. L. (Hydrofluoric) .....A

Fuerst Bros. & Co. (Acetic; Carbolic) .....D

General Chemical Co., 25 Broad (Acetic; Nitric; Muriatic; Sulphuric) .....AAAA

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Johnson & Johnson (Boracic; Salicylic) .....AAA

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McKesson & Robbins (Carbolic; Oleic) .....AAAA

Manhattan Oil Co., 51 Front St. (Stearic) .....D

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 Zinsser & Co., Wm. (Salicylic) .....A

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Spiritine Chemical Co. (Pyroligneous) .....C

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Emery Candle Co. (Stearic) .....AA

Gordon Wood Alcohol & Chemical Wks., N. J. M. (Acetic) .....B

Harkness & Cowing Co. (Stearic) .....A

Merrill Chem. Co., W. S. (Salicylic) .....C

Procter & Gamble Co. (Stearic) .....AAAA

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**PA.—Canton**

Beardsley Bros. & Rhodes (Wood) .....D

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Cooper & Co., Chas., 194 Worth (Chromic; Nitric; Muriatic; Liquid Carbonic; Hydrobromic; Hydrofluoric; Phosphoric; Sulphuric) .....A

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General Chemical Co., 25 Broad (Acetic; Nitric; Muriatic; Sulphuric) .....AAAA

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McKesson & Robbins (Carbolic; Oleic) .....AAAA

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New York Quinine & Chemical Works (Acetic) ...AA

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Schieffelin & Co., W. H. (Oxalic; Carbolic; Tartaric) .....AA

Selling Co., The (Acetic) ...AA

Sholes & Co., C. E. (Acetic; Muriatic; Nitric; Sulphuric) .....X

Tartar Chemical Co. (Tartaric) .....AAA

Warner Chem. Co., 141 Broadway (Butyric) ...AAA

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White Tar Co. (Carbolic; Picric) .....E

Zinsser & Co., Wm. (Salicylic) .....A

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Merrill Chem. Co., W. S. (Salicylic) .....C

Procter & Gamble Co. (Stearic) .....AAAA

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Harshaw, Fuller & Goodwin Co. (Acetic) .....AA

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Smith Chemical Co., A. B. (Acetic) .....A

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Procter & Gamble Co. (Stearic) .....AAAA

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Selling Co., The (Acetic) ...AA

Sholes & Co., C. E. (Acetic; Muriatic; Nitric; Sulphuric) .....X

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**PA.—Philadelphia**

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Barrett Mfg. Co. (Carbolic) .....

**AAAA**

Harrison Bros. & Co. (Acetic; Muriatic; Nitric; Sulphuric) .....AAAA

Moro-Phillips Wks. (Acetic; Muriatic; Hydrofluoric; Nitric; Sulphuric).AAAA

Penna Salt Mfg. Co., 115 Chestnut (Nitric; Muriatic; Sulphuric)...AAAA

Powers - Weightman - Rosengarten Co. (Nitric; Acetic; Muriatic; Sulphuric; Tannic; Butyric; Chromic; Flouric; Hydrobromic; Hydrocyanic; Tartaric; Carbolic).AAAA

**PA.—Susquehanna**

Lackawanna Chemical Co. (Wood) .....C  
Wright & Co., C. F. (Wood) .....

**B**

PA.—York  
York Chemical Co. (Hydrofluoric; Sulphuric) ....A

**R. I.—Providence**

Shepard & Co., T. P. (Sulphuric) .....A

**S. C.—Summerville**

Summerville Fernoline Wks. (Pyrologinous) .....D

**VA.—Norfolk**

Royster Guano Co., F. S. Sulphuric) .....A

**VA.—Richmond**

Va.-Carolina Chem. Co. (Nitric; Sulphuric) ...AAAA

**ACTIONS****ILL.—Chicago**

Piano & Organ Supply Co. (Piano) .....AA

**IND.—New Castle**

Krell Piano Co., French (Piano) .....AA

**MASS.—Cambridgeport**

Tower, Sylvester Co. (Piano) .....A

**Seaverns Piano Action Co.,**

Geo. W. (Piano) .....C  
Standard Action Co. (Piano) .....

**N. J.—Fort Lee**

Abbott Piano Action Co. (Piano) .....D

**New York City**

Strauch Bros., 30 10th Av. (Piano) .....A

Roth & Engelhart 2 E. 47th (Piano) .....B

**VT.—Brattleboro**

Carpenter Co., The E. P. (Organ) .....B

**ADJUSTERS****CONN.—Bridgeport**

Perkins Electric Switch Mfg. Co. (Cord) .....B

**CONN.—New Britain**

Russell & Erwin Mfg. Co. (Window Blind; Casement) .....AAAA

**CONN.—New Haven**

Ives Co., Hobart B. (Window Shade; Stop) ....B

**DEL.—Wilmington**

American Vulcanized Fibre Co. (Cord) .....AAAA

**Delaware Hard Fibre Co. (Cord) .....C****ILL.—Chicago**

Johnson, R. R., 167 Dearborn (Window Shade)...D  
Lever Mfg. Co., C. H. (Cord) .....F

Read, & Co., H. P., 16 N. Canal (Window Shade).H

**MASS.—Boston**

Boston Electric Co., 29 Harrison Av. (Cord) .....B

**ADJUSTERS (Con.)**

Marshall Elec. Mfg. Co., 301 Congress (Cord) ...O

**MASS.—Fitchburg**

Novelty Turning Co. (Cord) .....

**MASS.—Millers Falls**

Millers Falls Co. (Window Shade) .....AA

**MASS.—Worcester**

Wire Goods Co. (Blind)...A  
N. J.—Newark

Hartshorn Co., Stewart (Window Stop) .....AAA

**New York City**

American Hard Rubber Co. (Cord) .....AAAA

Bogert & Hopper, 162 William St. (Cord) .....B

Bolles Revolving Sash Co. (Window Stop) .....H

McCreary & Co., A. A., 136 Liberty (Cord) .....F

Sargeant & Co., 151 Leonard (Casement; Window Stop) .....AAAA

Yale & Towne Mfg. Co., 9 Murray (Casement)AAAA

**N. Y.—Rochester**

Gay Mfg. Co., 177 W. Main (Cord) .....F

**OHIO—Cleveland**

Columbian Hardware Co. (Window Blind) .....AA

Standard Tool Co. (Bicycle Chains) .....AAA

**OHIO—Columbus**

Universal Shade Adjuster Co. (Shades) .....F

**OHIO—Mechanicsburg**

Wilcox Mfg. Co., D. (Bicycle Chains) .....A

**PA.—Philadelphia**

Stewart Frank & Co. (Cord) .....

**PA.—Pittsburg**

Westinghouse Air Brake Co. (Automatic Slack).AAAA

**PA.—Reading**

Reading Hdw. Co. (Casement) .....AAAA

**WIS.—La Crosse**

Vought-Berger Co. (Cord)B

**WIS.—Milwaukee**

League Cycle Wks. (Bicycle Chain) .....D

**ADZES****CONN.—Collinsville**

Collins Co. (House; Railroad; Ship) .....AAA

**CONN.—Westport**

Bradleys Sons, G. W. ....D

**IND.—Evansville**

Evansville Tool Wks. ...B

**IND.—Terre Haute**

Terre Haute Shovel & Tool Co. ....AAAA

**N. J.—Newark**

Sayre & Son, L. A. ....B

**N. Y.—Buffalo**

White Co., L. & I. J. ....A

**N. Y.—Cattaraugus**

U. S. Edge Tool Co. ....D

**N. Y.—Cohoes**

Peck Edge Tool Co. ....F

**New York City**

American Axe & Tool Co., 253 Broadway .....AAAA

**N. Y.—Rochester**

Meck & Co. ....AAAA

**OHIO—Findlay**

Findlay Axe & Tool Co...A

**OHIO—West Park**

Norton Tool Co. (R. R.)...C

**PA.—Chester**

Block & Co., N. B. ....AA

**PA.—Glassport**

Am. Axe & Tool Co. ....AAAA

**PA.—Philadelphia**

Plumb, Fayette R. ....AA

**AERATORS****OHIO—Cincinnati**

Deckebach Sons Co., F. C. (Beer) .....O

**New York City**

Schneible Co., Jos. (Beer)B

**N. Y.—Cortland**

Champion Milk Cooler Co. (Milk) .....E

**AERATORS (Con.)**

ILL.—Chicago  
Sturges & Burns Mfg. Co.  
(Milk) .....A  
VT.—Bellows Falls  
Vermont Farm Mach. Co.  
(Milk) .....C

**AGALITE**

N. J.—Lincoln  
Atlas Mineral & Machine  
Co. ....D  
N. Y.—Gouverneur  
Ontario Talc. Co. ....D  
New York City  
International Pulp Co. ....AAAA  
PA.—Easton  
Williams & Co. C. K. ....A

**AGATES**

See Jewelry

**AGATEWARE**

See Enamelled Iron Ware

**AGITATORS**

ILL.—Chicago  
Allis-Chalmers Co. (Mining)  
AAAA  
Perrin & Co., W. R. (Lard)  
A  
MO.—St. Louis  
Brecht Butchers' Sup. Co.  
G. V. (Lard) ....AAA  
N. J.—Trenton  
Crossley Mfg. Co. (Clay) .B  
New York City  
Kreig Co., J. K. (Ink,  
Shoe Factory) .....B  
OHIO—Cincinnati  
Day & Co., J. H. (for  
Liquids) .....A  
Triumph Ice Mach. Co. ....A  
OHIO—Youngstown  
Pollock & Co., W. B.  
(Brewery) .....AA  
OHIO—Zanesville  
Griffith & Wedge Co.  
(Mining) .....B  
PA.—East Downingtown.  
Downingtown Mfg. Co.  
(Paner Makers) .....A  
PA.—Pittsburg  
Carroll-Porter Boiler &  
Tank Co. (Mining) ....B  
Riter-Conley Mfg. Co.  
(Mining) .....AAA  
PA.—Washington  
Petroleum Iron Wks. Co.  
(Oil) .....D

**AGRICUL-  
TURAL IMPLE-  
MENTS**

ALA.—Tuscumbia  
Barton Agricultural Wks.  
(The Barton Cultivator)  
E  
CAL.—Benecia  
Benecia Agr'l Works (Cul-  
tivators; Harrows; Buck-  
rakes; Seeders; Disk,  
Rotary, Gang, Steam,  
Sulky & Wheel Plows;  
Hay Presses) .....AAA  
CAL.—Fresno  
Parteous, James (Plows) B  
CAL.—Los Angeles  
Kerstone Iron Works (Gang  
Plows) .....B  
CAL.—Marysville  
Emmre Fdy. & Harvester  
Wks. (Corn Harvesters) E  
CAL.—San Francisco  
Jackson - Byron Machine  
Wks., 411 Market (Hand  
& Sweep Hay Rakes) ...A  
CAL.—San Leandro  
Best Mfg. Co. (Combined  
Harvesters, Binders, &c.) B  
Morehouse, L. C. (Hay  
Rakes) .....B  
CAL.—Stockton  
Holt Mfg. Co. (Combined  
Harvesters) .....AAA

**AGR. IMPS. (Con.)**

Houser & Haines Mfg. Co.  
(Combined Grain Drills;  
Harvesters) .....B  
Shaw Co., H. C. (Gang  
Plows) .....B  
Stockton Mfg. Co. (Bean  
Threshers) .....F  
COLO.—Denver  
Jackson Hay Press Mfg. Co.  
(Hay Presses) .....F  
COLO.—Pueblo  
Mead Hay Press Co. (Har-  
rows; Cultivators) ....F  
CONN.—Higganum  
Cutaway Harrow Co. (Har-  
rows; Disc, Sulky Plows) F  
Scoville, D. & H. (Hoes) AA  
CONN.—Southport  
Jelleff Mfg. Co., C. O.  
(Smoothing Harrows) ..C  
GA.—Atlanta  
Atlanta Plow Co. (Plows;  
Cultivators; Harrows;  
Corn Planters) .....C  
Southern Agricultural Works  
Co. (Disc Plows) .....X  
Walker-Sims Plow Co.  
(Plows) .....X  
GA.—Columbus  
Southern Plow Co. (Break-  
ing, Garden, Shovel Plows  
& Cotton Planters) ...AA  
GA.—Dalton  
Sanders Mfg. Co. (Pea &  
Bean Hullers; Cultiva-  
tors; Hay Presses) ....X  
GA.—Helena  
Sikes Mfg. Co. (Hay  
Presses) .....C  
GA.—Macon  
Gault, J. T. (Cotton Plant-  
ers) .....B  
GA.—Rome  
Towers & Sullivan Mfg. Co.  
(Cotton Planters; Plows;  
Cultivators; Roman &  
Ace Side Harrows; Fertil-  
izer Distributors) ....C  
ILL.—Alton  
Hapgood Plow Co. (Grain  
& Corn Drills; Grain Lis-  
ters; Breaking, Gang,  
Sulky, Riding & Wheel  
Plows) .....B  
ILL.—Aurora  
Phillips, T. L. (Feed Mills) D  
Western Wheeled Scraper  
Co.) Plows; Road Scrap-  
ers) .....AA  
ILL.—Batavia  
Appleton Mfg. Co. (Fanning  
& Feed Mills; Stalk &  
Feed Cutters; Corn Shell-  
ers and Threshers) ....B  
Challenge Co. (Feed Mills;  
Corn Shellers; Feed Cut-  
ters) .....AAA  
U. S. Wind, Engine & Pump  
Co. (Feed Mills; Corn  
Shellers) .....A  
ILL.—Belleville  
Gundlach, P. M. (Grain  
Drills) .....A  
ILL.—Bradley  
Bradley Mfg. Co. (Hay  
Presses; Breaking, Disc,  
Rotary, Gang, Shovel,  
Subsoil, Sulky & Wheel  
Plows; Bar Lever & Gas  
Pipe Frame Harrows; Cul-  
tivators; Rakes; Force  
Drop Corn & Cotton  
Planters; Corn Drills; Po-  
tato Diggers) .....AAA  
ILL.—Canton  
Parlin & Orendorff Co.  
(Planters, Listers, Rid-  
ing & Walking Cultiva-  
tors; Canton Pine Frame  
Lever & U Bar, Lever  
Scotch Smoothing Har-  
rows; Breaking, Disc,  
Ditching, Gang, Gang  
Steam, Gang Wheel, Gar-  
den, Potato, Shovel, Sub-  
soil, Sulky, Riding or  
Wheel Swivel Reversible  
& Hillside Plows; Corn  
Planting Drills; Corn &  
Cotton Planters; Potato

**AGR. IMPS. (Con.)**

Diggers) .....AAAA

**ILL.—Carpentersville**Star Manufacturing Co.  
(Feed Cutters; Walking  
Cultivators; Spike, Tooth  
& U Bar Harrows; Break-  
ing Plows; Corn Thresh-  
ers; Potato Diggers)...A**ILL.—Chicago**Bristol & Gale Co., 112 W.  
Wash. (Shovel Plows;  
Corn Shellers) .....BInternational Harvester Co.  
(Mowers; Reapers; Bind-  
ers; Rakes; Harvesters)...  
AAAAPlano Mfg. Co., West Pull-  
man (Mowers; Reapers;  
Binders; Rakes; Corn  
Harvesters) .....XWhitman & Barnes Mfg. Co.,  
66 S. Canal .....AAAA**ILL.—Decatur**Chambers - Bering - Quinlan  
Co. (Hay Loaders; Rakes;  
Check Rowers; Corn &  
Potato Planters) .....BHaworth & Sons Mfg. Co.  
(Grain Drills; Corn  
Planters) .....AATait Mfg. Co. F. B. (Rakes;  
Corn Planters; Corn  
Shellers; Harrows) ....BUnion Iron Works (Power  
Corn Shellers) .....B**ILL.—De Kalb**Haish Wire & Implement  
Co. (Harrows; Corn  
Shellers) .....B**ILL.—Dixon**Grand Detour Plow Co.  
(Listers; Riding & Walk-  
ing Cultivators; Pipe  
Beam, U Bar, Angle Bar,  
Wood & Steel Harrows;  
Breaking, Gang, Subsoil &  
Sulky Riding or Wheel  
Plows; Corn Planters)....  
AAA**ILL.—Dwight**Spencer, J. A. (Hay Presses)  
C**ILL.—Freeport**Schofield & Co. (Potato  
Planters) .....DStover Mfg. Co. (Feed Mills  
& Corn Shellers) .....AA**ILL.—Galesburg**Brown & Co., G. W. (Rakes;  
Corn Planters; Listers;  
Corn Shellers; Riding &  
Walking Cultivators;  
Lever Pipe, U Bar &  
Wood Harrows; Breaking,  
Shovel, Sulky Riding or  
Wheel Plows; Corn Plant-  
ers) .....X**ILL.—Galva**Hayes Pump & Planter Co.  
(Riding & Walking Cul-  
tivators; Steel, U Bar, An-  
gle Bar or Pipe with  
Spike Tooth Harrows;  
Corn Planters) .....AWiestrand Mfg. Co. (Corn  
Planters) .....D**ILL.—Havana**Ashurst Press, Drill Co.  
(Grain Drills) .....B**ILL.—Joliet**Adam, W. J. (Feed Mills;  
Corn Shellers & Seeders)  
BHumphrey & Sons (Feed  
Mills) .....AAAJoliet Mfg. Co. (Corn Shell-  
ers) .....A**ILL.—Kewanee**Peters Pump Co. (Pumps;  
Corn Planters) .....B**ILL.—Marseilles**Marseilles Mfg. Co. (Feed  
Mills; Hay Loaders; Corn  
Shellers; Fanning Mills &  
Feed Cutters) .....A**ILL.—Mendota**Tower & Sons, J. D. (Pul-  
verizers; Clod Crushers;  
Walking & Riding Cul-  
tivators; & Weed Extermi-  
nators) .....A**ILL.—Moline**

Deere &amp; Co. (Listers; Rid-

**AGR. IMPS. (Con.)**ing & Walking Cultiva-  
tors; Zig-zag, Deer Lever  
& Scotch Harrows; Break-  
ing, Disc, Gang, Gang  
Steam, Gang Wheel, Gar-  
den Potato, Shovel, Sub-  
soil, Sulky, Riding or  
Wheel & Swivel, Revers-  
ible & Hillside Plows; Po-  
tato Diggers) ....AAAADeere & Mansure Co. (Hay  
Loaders; Listers; Corn  
Shellers; Seeders; Sugar  
Cane Cultivators; Spading  
Harrows; Garden Plows;  
Corn & Cotton Planting  
Drills; Bean & Pea, Corn,  
Cotton & Potato Planters;  
Hand, Side Delivery &  
Sulky Hay Rakes)...AAAMoline Plow Co. (Harrows;  
Listers; Riding & Walk-  
ing Cultivators; Breaking,  
Disc, Gang, Gang Wheel,  
Shovel, Subsoil, Sulky  
Riding or Wheel & Swivel,  
Reversible & Hillside  
Plows; Plow Coulters;  
Corn Planting & Cotton  
Planting Drills; Pea &  
Bean, Corn & Cotton  
Planters; Potato Diggers)  
AAAASechler Carriage Co., D. M.  
(Cultivators; Harrows;  
Pulverizers; Corn Plant-  
ers) .....A**ILL.—Monmouth**Monmouth Plow Co. (Gang  
& Sulky Riding or Wheel  
Plows) .....BPattee Plow Co. (Cultiva-  
tors; Plows) .....C**ILL.—Ottawa**King & Hamilton Co. (Cul-  
tivators; Corn Planters)  
AAPorter Co., J. E. (Rakes; Hay  
Carriers; Hay Presses;  
Stickers; Steel Corn  
Planters; Hay Loaders).A**ILL.—Pekin**Pekin Plow Co. (Cultiva-  
tors; Listers; Rakes; Lev-  
er & Disc Harrows; Gang  
& Sulky Riding or Wheel  
Plows; Corn Planting  
Drills) .....A**ILL.—Peoria**Avery Mfg. Co. (Threshers;  
Riding & Walking Culti-  
vators; Corn & Cotton  
Planters; Hay Stackers)  
AHart Grain Weigher Co.  
Grain Weighers) .....BKingman & Co. (Harrows;  
Listers; Corn Shellers;  
Riding & Walking Culti-  
vators; Spring Tooth Har-  
rows) .....AAAKingman Plow Co. (Culti-  
vators; Listers; U Bar  
Harrows; Breaking, Gang,  
Shovel & Sulky Riding or  
Wheel Plows; Plow  
Coulters; Corn Planters)  
AAALuthy & Co. (Corn Shellers;  
Sulky Riding or Wheel  
Plows; Corn Planters)...APeoria Drill & Seeder Co.  
(Harrows; Grain Drills;  
Seeders & Sowers) ....A**ILL.—Peru**Peru Plow & Wheel Co.  
(Harrows; Listers; Riding  
& Walking Cultivators;  
Breaking, Gang, Shovel,  
Subsoil & Sulky, Riding &  
Wheel Plows; Corn Plant-  
ers; Potato Diggers)...AA**ILL.—Plano**Sears, Albert H. (Cultiva-  
tors; Garden Plows; Po-  
tato Planters) .....A**ILL.—Quincy**Collins Plow Co. (Corn  
Drills; Hay Presses; Iowa  
Riding & Walking Com-  
bined Cultivators; Quincy  
Lever & Steel U Bar Har-  
rows; Gang & Sulky Rid-

**AGR. IMPS. (Con.)**  
 ing or Wheel Plows) ...A  
 Ertel Co., George (Hay  
 Presses) .....C  
 Quilacy Corn Planter Co.  
 (Corn Planters) .....D  
**ILL.—Rockford**  
 Emerson Mfg. Co. (Break-  
 ing, Disc, Gang, Shovel &  
 Sulky Riding or Wheel  
 Plows; Corn Planting  
 Drills) .....AAA  
 Rockford Mfg. Co. (Plows;  
 Cultivators; Steel & Wood  
 Lever Harrows) .....B  
**ILL.—Rock Island**  
 Rock Island Plow Co. (Cul-  
 tivators; Hay Loaders;  
 Listers; Seeders; Sowers;  
 Steel & Wood Lever &  
 Flexible Harrows; Break-  
 ing, Disc, Gang, Gang  
 Wheel, Garden, Potato,  
 Shovel, Subsoil & Sulky  
 Riding or Wheel Plows;  
 Corn Planting & Disc  
 Grain Drills; Corn Plant-  
 ers; Potatoe Diggers) .....AAA  
**ILL.—Sandwich**  
 Sandwich Mfg. Co. (Feed  
 Mills; Hay Loaders; Corn  
 Shellers; Hay Presses;  
 Cotton Planters) .....AA  
**ILL.—Sparta**  
 Sparta Plow Works (Culti-  
 vators; U. Bar Harrows;  
 Breaking, Gang & Sulky  
 Riding or Wheel Plows) B  
**ILL.—Springfield**  
 Heinecke & Co. (Combina-  
 tion Wind & Raddle Stack-  
 ers) .....C  
 Sattley Mfg. Co. (Cultiva-  
 tors; Rakes; Listers;  
 Seeders; Sowers; Lever  
 Harrows; Breaking, Disc,  
 Gang, Sulky Riding or  
 Wheel Plows; Corn Plant-  
 ers) .....X  
**ILL.—Sterling**  
 Harrison Mfg. Co. (Hand  
 Corn Planters) .....D  
 Keystone Co., The (Hay  
 Loaders; Rakes; Planters;  
 Corn Shellers; Seeders;  
 Hay Presses; Corn Plant-  
 ing Drills) .....B  
 Sterling Mfg. Co. (Corn  
 Planters; Potato Diggers) A  
**ILL.—Sycamore**  
 Patten Co., F. C. ....B  
**IND.—Bluffton**  
 Bluffton Mfg. Co. (Corn  
 Planters) .....C  
**IND.—Columbus**  
 Reeves & Co. (Grain Weigh-  
 ers; Clover Hullers;  
 Shovel Plows; Rice  
 Threshers) .....AA  
**IND.—East Chicago**  
 Famous Mfg. Co. (Sweep  
 Rakes; Hay Presses;  
 Swinging Hay Stackers) B  
**IND.—Evansville**  
 Blount, Henry F. (Walking  
 & Riding Cultivators;  
 Shovel, Subsoil, Sulky  
 Riding or Wheel Plows) ...AAA  
 Hartig-Becker Plow Co.  
 (Plow Cultivators) .AAAA  
 Heilman Machine Works  
 (Threshers & Engines) .B  
 Vulcan Plow Co. (Break-  
 ing, Shovel, Sulky Riding  
 or Wheel & Swivel Revers-  
 ible & Hillside Plows) .A  
**IND.—Hammond**  
 Champion Potato Mchy. Co.  
 Self-Feeding Potato Plant-  
 ers; Potato Diggers) ...D  
**IND.—Indianapolis**  
 American Buncher Mfg. Co.,  
 645 S. Penn. (Clover Mch-  
 ines) .....A  
 Indiana Mfg. Co., Stevenson  
 Bldg. (Wind Stackers) .A  
 Nordyke & Marmon Co.  
 (Feed, Corn, Cob & Fan-  
 ning Mills; Corn Shellers) AAA  
 Pneumatic Elevator &

**AGR. IMPS. (Con.)**  
 Weigher Co., 165 E. Morris  
 (Grain Weighers) .....C  
 Sattley Stacker Co. (Stack-  
 ers) .....AAA  
 Wagner Plow Co. (Breaking  
 Plows) .....B  
**IND.—Kendallville**  
 Flint & Walling Mfg. Co.  
 (Feed & Wind Mills) ...A  
**IND.—La Porte**  
 Michael, Chas. H. (Fanning  
 Mills) .....AAAA  
 Rumley Co., M. (Thresh-  
 ers; Hay Presses; Clover  
 Stackers; Traction En-  
 gines; Hullers) .....AAA  
**IND.—Liberty**  
 Rude Bros. Mfg. Co.  
 (Rakes; Riding & Walk-  
 ing Cultivators; Corn  
 Planting, Fertilizer &  
 Grain Drills) .....A  
**IND.—Logansport**  
 King Drill Co. (Corn Plant-  
 ing & Grain Drills) ....C  
**IND.—Mt. Vernon**  
 Keck-Gonnermann Co.  
 (Threshers) .....A  
**IND.—Peru**  
 Spring Grain Drill Mfg. Co.  
 (Grain Drills) .....D  
**IND.—Richmond**  
 Gaar, Scott & Co. (Stackers;  
 Clover Hullers; Traction  
 Engines; Grain Weighers;  
 Corn & Rice Threshers) ...AAA  
 Hoosier Drill Co. (Corn  
 Planting & Disc Grain  
 Drills; Corn Planters) ..AAAA  
 Richmond Plow Co. (Break-  
 ing, Garden & Shovel  
 Plows) .....D  
 Robinson & Co. (Thresh-  
 ers; Stackers; Grain  
 Weighers; Hay Presses) A  
 Wayne Works (Grain Drills;  
 Corn Planters) .....A  
**IND.—Rising Sun**  
 Clore's Sons, W. (Plows) .E  
**IND.—South Bend**  
 Birdsell Mfg. Co. (Straw  
 Stackers; Clover Hullers) AA  
 Bissell Chilled Plow Wks.  
 (Disc, Gang, Garden, Sub-  
 soil, Sulky Riding or  
 Wheel & Swivel, Revers-  
 ible & Hillside Plows;  
 Cultivators; Harrows;  
 Planters) .....AAAA  
 Bowsher Co., N. C. (Feed  
 Mills; Barley Crushers) B  
 Oliver Chilled Plow Wks.  
 (Breaking, Gang, Shovel,  
 Subsoil, Sulky, Riding or  
 Wheel & Swivel, Revers-  
 ible & Hill-side Plows) AAA  
 South Bend Chilled Plow  
 Wks. (Smoothing & New  
 Market 14 teeth Harrows;  
 Breaking, Disc, Gang,  
 Shovel, Subsoil, Sulky,  
 Riding or Wheel & Swivel  
 Reversible & Hillside  
 Plows; Planters) .....AA  
**IND.—Vincennes**  
 Hartman Mfg. Co. (Riding  
 & Walking Cultivators) .C  
**IOWA—Council Bluffs**  
 Children & Sons, E. (Culti-  
 vators) .....B  
**IOWA—Des Moines**  
 Wood Bros. Steel Self-Feed-  
 er Co. (Cultivators) ...B  
**IOWA—Dubuque**  
 Cooper Wagon & Buggy Co.,  
 A. A. (Plows; Culti-  
 vators; Feed Mills; Corn  
 Planters) .....B  
**IOWA—Fort Madison**  
 Morrison Mfg. Co. (Culti-  
 vators; Steel Leven Har-  
 rows; Breaking, Gang,  
 Garden, Shovel, Subsoil  
 & Sulky Riding or Wheel  
 Plows; Plow Coulters;  
 Beet, Corn & Cotton  
 Planters) .....AAA  
**IOWA—Ottumwa**  
 Dain Mfg. Co. (Feed Mills;

**AGR. IMPS. (Con.)**  
 Hay Loaders; Haying Tools; Rakes; Hay Presses; Hay Stackers).A  
 Janney Mfg. Co. (Feed Mills & Corn Planters).A  
**IOWA—Prairie City**  
 Dowden Mfg. Co., Ltd. (Potato Harvesters & Weed Harrows) .....C  
**IOWA—Sioux City**  
 Sioux City Plow Co. (Cultivators; Breaking & Sulky Riding or Wheel Plows) .....C  
**IOWA—Waterloo**  
 Kelly & Tannehill Co. (Feed Mills & Well Drilling Machinery) .....B  
 Litchfield Mfg. Co. (Feed Mills; End Gates; Forges)  
**IOWA—Webster City**  
 Closz & Howard Mfg. Co. (Grain Separators) .....B  
**KANS.—Coffeyville**  
 Coffeyville Impt. & Mfg. Co. (Gang & Sulky Riding or Wheel Plows) .....C  
**KANS.—Kansas City**  
 Strait Mfg. Co., H. N. (Hay Presses; Scales) .....B  
**KANS.—Manhattan**  
 Blue Valley Mfg. Co. (Corn Harvesters) .....F  
**KY.—Louisville**  
 Avery & Sons, B. F. (Rakes; Riding & Walking Cultivators; Lever Spike Tooth Harrows; Breaking, Disc, Gang, Gang Wheel, Garden, Shovel, Subsoil, Sulky Riding or Wheel, Swivel Plows; Plow Coulters; Corn & Cotton Planting Drills; Corn & Cotton Planters; Fertilizer Distributors; Potato Diggers) .....AAA  
 Brennan & Co. (Corn Shell-ers; Feed Cutters; Grain Reversible & Hillside & Disc Grain Drills)....A  
 Brinly-Hardy Co. (Breaking, Garden, Potato, Shovel, Subsoil & Swivel Reversible & Hillside Plows)....A  
**KY.—Maysville**  
 Ball, Mitchell & Co. (Shovel & Swivel Reversible & Hillside Plows) .....D  
 Hall Plow Co., Jas. H. (Cultivators; Subsoil & Swivel Reversible & Hillside Plows) .....AA  
**MD.—Baltimore**  
 Sinclair Scott Co. (Hay Presses) .....E  
**MASS.—Boston**  
 Ames Plow Co. (Cultivators; Tedders; Fanning Mills; Feed Cutters; Disc Harrows; Ditching, Garden, Ice, Subsoil Reversible & Hillside Plows; One Horse, One Row Corn Planters) .....AA  
**MASS.—Chicopee Falls**  
 Belcher & Taylor Agricultural Tool Co. (Fanning Mills; Tedders; Feed Cutters; Potato Diggers; Prouts Hoeling Machine; Eclipse Weed Harrow; Shares; Coulters; Harrow & Yankee Pulverizer; Shovel, Sulky; Riding or Wheel & Swivel Reversible & Hillside Plows; Corn & Potato Planters; Fertilizer Distributors).A  
**MASS.—Lowell**  
 Dennis & Co., J. M. (Hay Presses) .....E  
**MASS.—Milford**  
 Mann Co., F. W. (Corn Shellers) .....B  
**MASS.—Tyringham**  
 Garfield & Son, D. M. (Hand Hay Rakes) .....F  
**MASS.—Worcester**  
 Colvin, J. A., 52 Jackson (Hay Presses) .....A  
 Richardson Mfg. Co. (Mow-

**AGR. IMPS. (Con.)**  
 ers; Rakes; Tedders)....A  
**MICH.—Albion**  
 Gale Mfg. Co. (Rakes; List-ers; Seeders; Sowers; Bean & Pea Harvesters; Riding & Walking Cultivators; Spring Tooth Steel, Lever, Spike Tooth & Steel U Bar Harrows; Break-ing, Gang, Garden, Hop, Potato & Subsoil Plows; Corn Planting Drills; Bean & Pea, Beet, Corn & Cotton Planters)....AAA  
**MICH.—Alpena**  
 Kline, L. T. (Hay Presses)D  
**MICH.—Battle Creek**  
 Advance Thresher Co. (Threshers, Stackers & Grain Weighers) ....AAA  
 Nichols & Shephard Co. (Threshers, Stackers & Grain Weighers) ....AAA  
**MICH.—Buchanan**  
 Black, Geo. H. ....E  
**MICH.—Cass City**  
 Cass City Foundry Co. (Gang Plows) .....D  
**MICH.—Cassopolis**  
 Cassopolis Mfg. Co. (Grain Drills) .....C  
**MICH.—Detroit**  
 Amer Harrow Co., 1482 Hastings (Plows; Bean Harvesters; Spring Tooil & Disc Harrows; Riding & Walking Cultivators; Bean & Pea Corn & Potato Planters) .....AA  
 Mason-Campbell Co. (Fanning Mills) .....C  
**MICH.—Dowagiac**  
 Dowagiac Mfg. Co. (Grain Drills) .....A  
**MICH.—Greenville**  
 Greenville Planter Co. (Bean & Pea, Corn, Hand Corn & Potato Planters) ....D  
 Greenville Implement Co. (Plows; Feed Cutters; Star Shovel Cultivators; Gang Plows; Delmore & Bell Potato Planters)....B  
**MICH.—Ionia**  
 Arnold's Son, G. W. (Bean & Pea Harvesters) ....E  
**MICH.—Jackson**  
 Aspinwall Mfg. Co. (Potato Planters & Diggers)....A  
 Empire Drill Co. (Grain Drills) .....A.A  
**MICH.—Kalamazoo**  
 Smith & Pomeroy Windmill Co. (Feed & Wind Mills)B  
 Kalamazoo Tank & Silo Co. (Harrows & Wind Mills) B  
**MICH.—Lansing**  
 Bements Sons, E. (Planters; Riding & Walking Cultivators; Spike Tooth, U Bar & Lansing Coll Spring Harrows; Breaking, Disc, Gang, Shovel, Sulky Riding or Wheel Plows; Corn Planting Drills; Corn & Cotton Planters) .....X  
**MICH.—Lyons**  
 Beach Mfg. Co. (Bean & Pea Harvesters) .....F  
**MICH.—Mt. Clemens**  
 Donaldson Bros. (Plows; Cultivators; Feed Cutters; Spike Tooth Harrows; Corn Planters) .....A  
**MICH.—Pontiac**  
 Howland Mfg. Co. (Feed Cutters; Pea & Bean Harvesters; Little Giant Walking Cultivators; Spring Tooth Harvesters; Shovel Plows) .....C  
**MICH.—Fort Huron**  
 Port Huron Engine & Thresher Co. (Plows; Stackers; Feed Mills; Corn Shellers; Weighers; Corn & Straw Preserving & Rye Threshers) ....AAAA  
**MICH.—St. Johns**  
 Mason & Co., F. H. (Hand Cultivators; Corn & Potato Planters) .....C

# **AGR. IMPS. (Con.)**

**MICH.—Saginaw**  
**Ferrell Co., A. T. (Fanning Mills, &c.)**.....B  
**MICH.—Three Rivers**  
**Roberts, Throp & Co. (Potato Diggers)**.....B  
**MICH.—Traverse City**  
**Potato Implement Co. (Hand, Corn & Potato Planters)**.....E  
**MICH.—Ypsilanti**  
**Thompson & Sons, O. E.**...C  
**MINN.—Austin**  
**Johnson & Smith Co. (Steel Harrows; Grub, Sod Breaking & Shovel Plows)**.....B  
**MINN.—Minneapolis**  
**Howell & Co., R. R. (Riding Cultivators)**.....B  
**Kinnard Haines Co. (Hay Presses)**.....C  
**Minneapolis Plow Co. (Scotch Steel Frame & Lever Harrows; Breaking Sulky, Riding or Wheel Plows)**.....B  
**Minneapolis Threshing Machine Co. (Threshers; Stackers; Corn Shellers; Baggers)**.....AAA  
**Monitor Drill Co. (Grain Drills; Seeders; Sowers; Riding Cultivators)**...AAA  
**Owens Co., J. L. (Fanning Mills; Grain Cleaning Machinery)**.....B  
**MINN.—Owatonna**  
**Owatonna Mfg. Co. (Grain Drills; Seeders & Growers)**.....B  
**MINN.—St. Paul**  
**Amer. Grass Twine Co. (Mowers; Rakes; Bean Harvesters)**.....AAA  
**Fosston Mfg. Co. (Wind Stackers)**.....C  
**MINN.—Sauk Center**  
**Keller Mfg. Co. (Harrows; Cultivators; Threshers; Fanning Mills)**.....B  
**MINN.—Stillwater**  
**North West Thresher Co. (Threshers; Stackers; Engines & Grain Weighers)**.....AAA  
**MINN.—Winona**  
**New Winona Mfg. Co. (Feed Mills; Shellers; Steam Power Hay Presses)**...A  
**MISS.—Jackson**  
**McDonnell & Son, J. (Plows, &c.)**.....C  
**MISS.—Meridian**  
**Hyde, Chas. (Hay Presses)**E  
**MO.—Browning**  
**Jenkins Hay Rake & Stacker Co. (Feed Mills; Haying Tools & Hay Stackers)**...C  
**MO.—Carrollton**  
**Farm Tool Mfg. Co. (Listers; Disc, Knife & Riding & Walking Cultivators & Hay Presses)**...C  
**MO.—Huntville**  
**Fleming & Son Mfg. Co. (Corn Harvesters & Hay Stackers)**.....C  
**MO.—Kansas City**  
**Eagle Mfg. Co. (Harrows; Cultivators; Listers; Breaking, Disc, Shovel & Sulky Riding or Wheel Plows; Cotton Planters; Hay Presses)**.....A  
**Eclipse Hay Press Co. 8th & Mill (Hay Presses)**...D  
**Kansas City Hay Press Co. (Feed Mills; Hay Presses; Haying Tools; Corn Harvesters & Hay Stackers)**.....AA  
**Smith & Sons Mfg. Co. (Plows; Rakes & Hay Presses)**.....B  
**Western Mfg. Co. (Cultivators & Grain Drills)**...C  
**MO.—Linneus**  
**Superior Hay Stacker Mfg. Co. (Hay Stackers)**.....C  
**MO.—St. Joseph**  
**Cartmell Machine Co.**...C  
**St. Joseph Plow Co. (Riding**

# **AGR. IMPS. (Con.)**

**& Walking Cultivators; Scotch, Channel & Pipe or Tap Bar, Steel Spike Tooth Harrows; Breaking, Ditching, Shovel & Sulky, Riding or Wheel Plows; Corn Planting Drills)**...A  
**MO.—St. Louis**  
**Kingsland Mfg. Co. (Threshers; Corn Shellers, etc.)**.....B  
**McGowan & Finigan Fdy. & Machine Co., 204 N. 8d (U Bar Steel Harrows)**A  
**Whitman Agricultural Co. (Harrows; Grain Drills; Feed Mills; Shellers; Seeders; Sowers; Feed Cutters; Steam & Hand Power Hay Presses & Corn Threshers)**.....A  
**MO.—Sweet Springs**  
**Fischer, Conrad (Harrows)**.....O  
**NEBR.—Beatrice**  
**Dempster Mfg. Co. (Cultivators; Grain Drills, etc.)**.....A  
**NEBR.—Nebraska City**  
**Dullenty Plow Co. (Cultivators)**.....B  
**King Drill Mfg. Co. (Grain Drills)**.....C  
**NEBR.—Omaha**  
**Martin Anderson Co. (Hay Stackers)**.....C  
**N. J.—Greenloch**  
**Bateman Mfg. Co. (Riding, Walking & Horse Hoe Cultivators; Iron Age Harrows; Garden & Sulky Riding or Wheel Plows; Fertilizer Drills; Bean & Pea Planters)**.....A  
**N. J.—Hightstown**  
**Shangle, Jno. R. (Gang Plows & Potato Diggers)**O  
**Peppler, Thos. (Gang Plows)**.....D  
**N. J.—Millington**  
**Nash, Duane H. (Pulverizers; Clod Crushers; Acme Pulverizer Harrows; Leveler & Hand Corn Planters)**.....A  
**Nishwitz Mfg. Co. (Harrows, etc.)**.....A  
**N. J.—Phillipsburg**  
**Phillipsburg Mfg. Co. (Feed Mills, etc.)**.....C  
**N. J.—Pittstown**  
**Deats, Hiram, Jr. (Plows, Threshers & Corn Shellers)**.....C  
**N. Y.—Albany**  
**Dederick's Sons, P. K. (Hay Presses)**.....AA  
**N. Y.—Auburn**  
**Bowen & Quick (Threshers, etc.)**.....C  
**New Birdsall Co. (Threshers & Engines)**.....AAA  
**Osborne & Co., D. M. (Mowers; Reapers; Rakes; Tedders; Corn Harvesters; Horse, Hoe & Steel Cultivators; Columbia & Junior Peg & Spring Tooth Harrows)**.....AAA  
**N. Y.—Avon**  
**Champion Drill Co. (Cultivators & Grain Drills)**...C  
**N. Y.—Batavia**  
**Bidwell, Chas. H. (Bean Threshers; Bean & Pea Harvesters)**.....C  
**Johnston Harvester Co. (Binders; Cultivators; Reapers; Rakes; Tedders; Seeders; Sowers; Corn & Rice Harvesters; Steel Harrows)**.....AAA  
**Wiard Plow Co. (Bean & Pea Harvesters; Cotton, Corn & Spading Harrows; Gang Steam, Subsoil, Sulky Riding & Swivel, Reversible & Hillside Plows; Bean & Pea & Hand Corn Planters)**...AA  
**N. Y.—Buffalo**  
**Buffalo Pitts Co. (Rakes; Threshers; Stackers; Rid-**



**AGR. IMPS. (Con.)**  
 ing & Walking Cultivators; Spike Tooth Harrows) .....AA  
**N. Y.—Cambridge**  
 Lovejoy & Son, H. H. (Cultivators; Tooth Harrows; Shovel Plows & Corn Planters) .....C  
**N. Y.—Canandaigua**  
 Robinson Chilled Plow Co. (Hillside & Reversible Plows) .....X  
**N. Y.—Canastota**  
 Patten & Stafford Co. (Harrows; Rakes, &c.) .....A  
**N. Y.—Cato**  
 Dutton & Co., E. Q. (Garden Plows) .....E  
**N. Y.—Chapinville**  
 Chapinville Wheel Co. (Harrows; Rakes & Seed Sowers) .....C  
**N. Y.—Cobleskill**  
 Harder Mfg. Co. (Threshers; Farming Mills; Clover Hullers & Rye Thresher, Cleaner & Binder Combined) .....C  
**N. Y.—Cohoes**  
 Excelsior Mach. Co. (Potato Diggers) .....E  
**N. Y.—Copake Iron Wks.**  
 Columbia Plow Works Chilled Swivel, Reversible & Hillside Plows) ...AA  
**N. Y.—Corning**  
 Allen Fdy. Co., E. R. (Potato Diggers) .....C  
**N. Y.—Dansville**  
 Sweet Mfg. Co., George (Mowers & Reapers) ..C  
**N. Y.—East Aurora**  
 Peck, S. H. (Potato Diggers) .....B  
**N. Y.—Elmira**  
 Clipper Chilled Plow Co. (Harrows; Cultivators; Rakes & Sulky Reversible Plows) .....A  
**N. Y.—Gardenville**  
 Scheepfijn, Charles (Feed Cutters & Shovel Plows) .....C  
**N. Y.—Gowanda**  
 Gowanda Agricultural Wks. (Plows; Walking Cultivators; Hop, Shovel & Swivel Reversible & Hillside Plows; Potato Diggers) .....X  
**N. Y.—Greene**  
 Lynn Iron Works (Feed Cutters) .....C  
**N. Y.—Greenwich**  
 Eddy Plow Co., W (Straw Pressing & Rye Threshers) .....B  
**N. Y.—Hoosick Falls**  
 Wood Mowing & Reaping Machine Co., Walter A. (Mowers; Reapers; Binders; Rakes; Tedders & Corn Harvesters) ...AAA  
**N. Y.—Ithaca**  
 Williams Bros. (Rakes; Well Machinery; Fertilizer Distributors) ...AA  
**N. Y.—Kingston**  
 Hendricks & Co., D. B. (Hay Pressers) .....D  
**N. Y.—Leonardville**  
 Babcock Mfg. Co. (Cultivators) .....D  
**N. Y.—Leroy**  
 Leroy Plow Co. (Bean & Pea Harvesters; Hillside & Flatland Plows) ....B  
**N. Y.—Lyons**  
 Nagley Mfg. Co. (Hand Corn & Pumpkin Planters) .....C  
**N. Y.—Macedon**  
 Bickford & Huffman (Fertilizer, Garden Seed & Grain Drills) .....A  
**N. Y.—Mt. Morris**  
 Genesee Valley Mfg. Co. (Grain Drills; Corn Shellers; Fanning Mills; Fargo & V-Tooth Harrows) ...B  
**N. Y.—Munnsville**  
 Munnsville Plow Co. (Bean & Pea Harvesters; Ditch-

**AGR. IMPS. (Con.)**  
 ing; Shovel; Subsoil; Reversible & Hillside Plows) .....B  
**N. Y.—Newark Valley**  
 Kemp Mfg. Co., J. S. (Manure Spreaders) .....B  
**New York City**  
 Watson-Stillman Co., 46 Dey (Hay Presses) .....AA  
**N. Y.—Owego**  
 Champion Wagon Co. (Grain Drills, &c.) .....B  
**N. Y.—Phelps**  
 Crown Mfg. Co. (Grain Drills, &c.) .....B  
**N. Y.—Poughkeepsie**  
 Adriance, Platt & Co. (Mowers; Reapers; Binders; Rakes & Peg & Spring Harrows) .....AAA  
**N. Y.—Riverhead**  
 Hudson, S. T. (Four-in-One Harrows) .....D  
**N. Y.—Rome**  
 Adams & Son, S. (Hop Plows) .....C  
**N. Y.—Schenectady**  
 General Electric Co. (Snow Plows) .....AAAA  
 Westinghouse Co. (Threshers; Stackers; Combined Grain & Clover Threshers) .....AA  
**N. Y.—Seneca Falls**  
 Gould Mfg. Co., The (Corn Shellers, &c.) .....AAA  
 Rumsey & Co. (Corn Shellers) .....AAAA  
**N. Y.—Shortsville**  
 Empire Drill Co. (Corn Planting Drills) .....A  
**N. Y.—Spencerport**  
 Wallace & Ireland (Potato Diggers) .....D  
**N. Y.—Stamford**  
 Cowley & Son, W. A. (Swivel Reversible & Reversible Hillside Plows) .....X  
**N. Y.—Syracuse**  
 Syracuse Chilled Plow Co. (Cultivators; Spring & Spike Tooth Harrows; Gang, Gang Wheel, Shovel, Sulky Reversible & Sulky Riding or Wheel Plows) .....AA  
 Whitman & Barnes Mfg. Co. (Harrows; Cultivators; Planters & Corn Shellers) .....AAAA  
**N. Y.—Utica**  
 Childs & Co., Chas. H. (Cultivators) .....B  
 Davison Harrow Co. (Harrows) .....B  
 Eureka Mower Co. (Spike, Spring & Shovel Tooth Cultivators; Mowers; Corn, Hand Corn & Potato Planters) .....B  
 Standard Harrow Co. (Cultivators; Corn Shellers; Superior Spike Tooth Lever Harrows; Corn Harvesters) .....A  
**N. Y.—Warsaw**  
 Warsaw Elevator Co. (Bean, Pea & Corn Planters) ..B  
**N. C.—Asheville**  
 Drummond Plow Co. (Shovel Plows; Potato Diggers).F  
**N. C.—Charlotte**  
 Cole Mfg. Co. (Cotton Planters) .....E  
**OHIO—Akron**  
 Akron Cultivator Co. (Pivot Axle Automatic Cultivators; Riding & Walking Shovel Plows) .....B  
 Aultman Miller Buckeye Co. (Mowers; Reapers; Rakes; Corn & Rice Harvesters) .....AAAA  
 Oyler Plow Co. (Cultivators) .....X  
 Whitman & Barnes Mfg. Co. (Riding & Walking Cultivators; Garden Plows; Garden Seed Drills & Corn Planters) ..AAAA  
**OHIO—Avery**  
 Hoover, Prout & Co. (Po-

**AGR. IMPS. (Con.)**  
 tato Diggers) .....B  
**OHIO—Bellevue**  
 Ohio Cultivator Co. (Sulky  
 & Walking Cultivators;  
 Steel Lever Harrows;  
 Bean & Pea Harvesters;  
 Listers; Corn & Ohio  
 Sulky Planters, Plows;  
 Pulverizers) .....AA  
**OHIO—Berea**  
 Dunham & Son, J. W. (Har-  
 rows, Corn Shellers, &c.)  
 O  
**OHIO—Bryan**  
 Bryan Plow Co. (Plows,  
 Harrows, &c.) .....B  
**OHIO—Bucyrus**  
 Shunk Plow Co. (Cultiva-  
 tors, Combined Horse  
 Hoes; Breaking & Shovel  
 Plows) .....C  
**OHIO—Canton**  
 Aultman Co. (Threshers,  
 &c.) .....A  
 Bucher & Gibbs Plow Co.  
 (Riding & Walking Cul-  
 tivators; Imperial Lever  
 Spike Tooth, Spring Tooth  
 & Wood Bar Harrows;  
 Breaking, Gang, Garden,  
 Subsoil, Sulky Riding or  
 Wheel & Swivel Revers-  
 ible & Hillside Plows; Po-  
 tato Diggers .....AA  
 Dick Agricultural Works,  
 Jos. (Fodder Cutters, &c.)  
 B  
 Kohler & Co. F. E. (Hand  
 Corn Planters) .....C  
 Ney Mfg. Co. (Hay Forks)  
 B  
 U. S. Implement Co. (Cul-  
 tivators) .....X  
**OHIO—Cincinnati**  
 Straub Machinery Co., 1940  
 W. 6th (Feed Mills, &c.)  
 O  
**OHIO—Cleveland**  
 Bartlett & Snow Co. (Feed  
 Mills; Corn Shellers,  
 &c.) .....B  
 Empire Plow Co. (Harrows;  
 Cultivators & Shovel  
 Plows) .....A  
**OHIO—Columbiana**  
 Enterprise Mfg. Co. (Feed  
 Mills, &c.) .....B  
**OHIO—Columbus**  
 Brown, Hinman & Hunting-  
 ton Co. (Corn & Cotton  
 Planters) .....A  
 Kilbourne & Jacobs Mfg.  
 Co. ....AAA  
**OHIO—Crestline**  
 Burch Plow Works Co.  
 (Breaking Plows) ....AA  
**OHIO—Dayton**  
 Cast Steel Plow Co., 122 N.  
 Front (Sulky, Riding &  
 Wheel Plows) .....C  
 Ohio Rake Co. (Corn Plant-  
 ers & Shellers; Cultiva-  
 tors; Corn Planting Drills;  
 Hay Loaders; U-Bar,  
 Quall L-Bar & Spike  
 Tooth Harrows; Planters;  
 Seeders & Tedders; Rakes)  
 AA  
 Parrott Mfg. Co. (Breaking  
 Plows) .....B  
 Stoddard Mfg. Co. (Riding  
 & Walking Cultivators;  
 Corn Planting & Dix Press  
 Runner & Hoe Drills; Pea,  
 Bean, Corn & Cotton  
 Planters; Rakes; Tedders  
 & Seeders) .....AAA  
**OHIO—Defiance**  
 Clipper Plow Co. (Cultiva-  
 tors; Grain Drills; Plant-  
 ers; Breaking & Shovel  
 Plows) .....C  
**OHIO—De Graff**  
 De Graff Mfg. Co. (Grain  
 Separators, &c.) .....B  
**OHIO—Doylestown**  
 Steberling & Miller Co.  
 Binders; Harvesters;  
 Mowers & Reapers) ....A  
**OHIO—Fremont**  
 Lehr Agricultural Co. (Rid-  
 ing & Walking Cultiva-  
 tors; Peg Tooth Harrows;  
 Corn Harvesters; Corn &  
 Cotton Planters; Break-  
 ing & Shovel Plows) ...B  
**OHIO—Geneva**  
 Geneva Tool Co. (Shovel  
 Plows & Hand Hay  
 Rakes) .....AA  
**OHIO—Hamilton**  
 Deutscher Co., H. P. (Har-  
 rows; Cotton Planters,  
 &c.) .....A  
 Long & Allstatter Co. (Rid-  
 ing & Walking Cultiva-  
 tors; Feed Cutters; Disc  
 or Rotary & Sulky Rid-  
 ing or Wheel Plows) ...AA  
**OHIO—Harrison**  
 Campbell Corn Drill Co.  
 (Corn Planters) .....E  
**OHIO—Hillsboro**  
 Bell Co., C. S. (Cane Mills;  
 Feed Mills) .....A  
**OHIO—Ironton**  
 Ironton Disc Plow Co. (Disc  
 Plows) .....C  
**OHIO—Kent**  
 Peterson Mfg. Co. (Pulver-  
 izers) .....D  
**OHIO—Lancaster**  
 Eagle Machine Co. (Corn  
 Shellers; Feed Cutters;  
 Feed Mills; Hand Plant-  
 ers) .....A  
 Hocking Valley Mfg. Co.  
 Feed Cutters; Grain  
 Drills; Hay Loaders &  
 Tedders) .....A  
**OHIO—Malta**  
 Brown-Manly Plow Co.  
 Cultivators; Breaking &  
 Shovel Plows) .....A  
**OHIO—Mansfield**  
 Aultman & Taylor Machin-  
 ery Co. (Clover Hullers,  
 Stackers & Threshers)  
 AAAA  
 Lean Roderick Mfg. Co.  
 (All Steel Lever & Spring  
 Tooth & Zigzag Harrows)  
 B  
**OHIO—Marietta**  
 Marietta Mfg. Co. (Corn  
 Planters & Plows) ...B  
**OHIO—Marion**  
 Huber Mfg. Co. (Threshers;  
 Stackers; Weighers, En-  
 gines, &c.) .....AAA  
 Implement Mfg. Co. (Plows)  
 O  
 Marion Mfg. Co. (Threshers;  
 Stackers, &c.) .....A  
**OHIO—Martinsville**  
 West & Townsend (Cultiva-  
 tors) .....F  
**OHIO—Massillon**  
 Harrison & Co., W. R. (Fod-  
 der Cutters, &c.) .....C  
 Massillon Engine & Thresher  
 Co. (Threshers; Stackers,  
 &c.) .....B  
 Russell & Co. (Threshers;  
 Stackers, &c.) .....AAAA  
**OHIO—Middletown**  
 Fetzer & Co. (Corn Plant-  
 ing & Drain Drills; Corn  
 Planters; Disc Harrows;  
 Seeders; Potato Diggers)  
 AAAA  
**OHIO—Mt. Gilead**  
 Hydraulic Press Mfg. Co.  
 (Grain Weighers, &c.)...A  
**OHIO—Napoleon**  
 Morning Star Mfg. Co.  
 (Threshers, &c.) .....C  
**OHIO—Newark**  
 Newark Machine Co. (Clover  
 Hullers; Fanning Mills;  
 Straw Stackers) .....B  
**OHIO—New Bremen**  
 Lanferselck-Grothaus Co.  
 (Breaking Plows) .....C  
**OHIO—New Lexington**  
 Star Mfg. Co. (Feed Mills  
 & Powers, &c.) .....C  
**OHIO—Orville**  
 Champion Thresher Co.  
 (Grain Separators; Clover  
 Hullers, &c.) .....C  
**OHIO—Salem**  
 Silver Mfg. Co. (Feed Mills  
 & Feed Cutters) .....A  
**OHIO—Sandusky**  
 Klotz Machine Co. (Corn

**AGR. IMPS. (Con.)**  
 Shellers, &c.) .....B  
**OHIO—Springfield**  
 Am. Seeding Machine Co.  
 (Harrows; Corn Planters,  
 &c.) .....AAAA  
 Foos Mfg. Co. (Corn Har-  
 vesters & Planters) ....A  
 Mast & Co., P. P. (Riding  
 & Walking Cultivators;  
 Corn Planting, Fertilizing  
 & Disc & Hoe & Shoe  
 Grain Drills) .....AAAA  
 Rogers Iron Co. (Corn  
 Shellers & Feed Mills)...C  
 Ross Co., E. W. (Feed  
 Mills; Corn Shellers &  
 Cane Mills Feed Cutters)  
 A  
 Superior Drill Co. (Corn  
 Planting with Fertilizer  
 Attachment, Hoe, Shoe &  
 Disc Drills; Harrows;  
 Seeders; Hay Tools, &c.)  
 AAA  
 Thomas Mfg. Co. (Grain  
 Drills; Spike Tooth Har-  
 rows; Hay Loaders;  
 Rakes; Tedders, &c.)  
 AAA  
 Warder, Bushnell & Gless-  
 ner Co. (Rice Harvesters)  
 AAAA  
**OHIO—Tiffin**  
 Tiffin Wagon Co. (Corn  
 Shellers, &c.) .....A  
**OHIO—Toledo**  
 Hickox, Mull Mfg. Co.  
 (Seeding Machines;  
 Grinding Mills) .....A  
 Toledo Plow Co. (Spike or  
 Spring Tooth Harrows;  
 Breaking, Gang, Shovel  
 & Sulky Riding or Wheel  
 Plows) .....C  
 U. S. Pump & Supply Co.  
 (Plows, &c.) .....B  
**OHIO—Upper Sandusky**  
 Berry Mfg. Co. (Hay  
 Presses) .....D  
**OHIO—Westerville**  
 Bennett & Co., H. L. (Corn  
 Harvesters) .....D  
**OHIO—Zanesville**  
 Brown Mfg. Co. (Riding &  
 Walking Cultivators; Har-  
 rows & Shovel Plows).AA  
**OREGON—Portland**  
 Russell & Co. (Plows).AAA  
**PA.—Carnegie**  
 Carnegie Plow & Mfg. Co.  
 (Plows, &c.) .....B  
**PA.—Easton**  
 Wilson Bros. (Feed Mills &  
 Feed Cutters) .....A  
**PA.—Elizabethtown**  
 Buch's Son, A. (Corn Shell-  
 ers; Fanning Mills; Feed  
 Cutters) .....C  
**PA.—Kennett Square**  
 American Road Machine Co.  
 (Road Making Machinery;  
 Breaking & Ditching  
 Plows) .....AA  
**PA.—Lansdale**  
 Heebner & Sons (Harrows;  
 Feed Mills; Feed Cutters  
 & Threshers) .....B  
**PA.—Lenover**  
 Chalfant's Sons, Jno. M.  
 (Threshers, &c.) .....C  
**PA.—Mechanicsburg**  
 Comstock, Geo. S. (Feed  
 Cutters & Rakes) .....C  
**PA.—Mifflinburg**  
 Albright & Son, Jas. H.  
 (Riding & Walking Culti-  
 vators) .....D  
**PA.—Mountville**  
 Mountville Mfg. Co. (Corn  
 Shellers; Planters &  
 Plows) .....C  
**PA.—Muncy**  
 Sprout, Waldron & Co.  
 (Corn Shellers; Feed  
 Mills, &c.) .....A  
**PA.—New Brighton**  
 Lozan & Strobridge Iron Co.  
 (Corn Shellers; Feed  
 Mills, &c.) .....B  
**PA.—Oakland Station**  
 Sellers, Edw. (Corn Plant-  
 ers & Plows) .....E  
**PA.—Philadelphia**  
**AGR. IMPS. (Con.)**  
 Allen & Co., S. L., 1107  
 Market (Cultivators; Fer-  
 tilizer Drills; Harrows;  
 Bean Harvesters; Bean,  
 Pea & Beet Planters;  
 Garden Plows; Pulver-  
 izers; White & Sweet Po-  
 tato Diggers) .....AA  
**PA.—Pottstown**  
 Ellis Keystone Agricultural  
 Wks. (Feed Mills &  
 Threshers) .....B  
**PA.—Tatamy**  
 Messenger Mfg. Co. (Walk-  
 ing Cultivators; Grain  
 with Grass Seeder Drills;  
 Feed Cutters; Corn & Po-  
 tato Planters; Breaking  
 Plows; Tedders; Separator  
 & Cleaner Threshers;  
 Potato Diggers) .....B  
**PA.—Waynesboro**  
 Frick Co. (Stackers; Shell-  
 ers; Threshers; Traction  
 Engines) .....AAA  
 Gelsner Mfg. Co. (Gang &  
 Gang Steam Plows; Bag-  
 gers; Clover Hullers;  
 Threshers; Traction En-  
 gines & Weighers).AAAA  
**PA.—York**  
 Farquhar Co., A. B. (Corn  
 Shellers; Riding & Walk-  
 ing Cultivators; Force,  
 Feed, Grain, Grass & Phos-  
 phate Drills; Engines;  
 Feed Cutters; Spring  
 Tooth Harrows; Corn &  
 Cotton Planters; Gang  
 Shovel & Subsoil Plows;  
 Corn & Rice Threshers)  
 AAA  
 Hallock Weeder Co. (Weed-  
 ers, &c.) .....AA  
 Hensch, Dromgold & Co.  
 (Corn Shellers; Corn  
 Planters; Riding & Walk-  
 ing Cultivators; Feed Cut-  
 ters; Fertilizer & Grain  
 Drills; Spike Tooth Steel  
 & Wood Frame Harrows;  
 Breaking, Shovel, Sulky  
 Driving or Wheel &  
 Swivel Reversible & Hill-  
 side Plows & Seeders)...A  
 Keystone Farm Machine Co.  
 (Corn Shellers; Riding &  
 Walking Cultivators; Feed  
 Cutters; Spring & Spike  
 Tooth Harrows; Corn, Cot-  
 ton & Potato Planters;  
 Gang Wheel & Shovel  
 Plows; Fertilizer Dis-  
 tributors) .....B  
 Spangler Mfg. Co. (Corn  
 Planters & Grain Drills;  
 Fertilizer Distributors).D  
**S. C.—Bennettsville**  
 Star Pea Thresher Co. (Pea  
 Threshers) .....A  
**S. DAK.—Watertown**  
 Lee Bros. (Breaking Plows)  
 E  
**TENN.—Chattanooga**  
 Chattanooga Implement  
 Mfg. Co. (Hay Presses)  
 A  
 Chattanooga Plow Co.  
 (Cane Mills Evaporators;  
 Breaking, Disc & Shovel  
 Plows) .....A  
 Sanders-Newell Plow Co.  
 (Disc Plows) .....B  
**TENN.—Clarksville**  
 Ground Hog Plow & Fdy.  
 Co. (Plows) .....B  
 Patch, A. H. (Corn Shell-  
 ers) .....B  
**TENN.—Harriman**  
 Harriman Hoe & Tool Co..B  
 Harriman Plow & Handle  
 Co. (Plows) .....B  
**TEXAS—Brenham**  
 Schuerenberg, F. W. (Break-  
 ing Plows) .....A  
**TEXAS—Bryan**  
 Chatham Machinery Co.  
 (Feed Mills) .....B  
**TEXAS—Dallas**  
 Texas Disc Plow Co. (Disc  
 Plows) .....C  
**TEXAS—Longview**  
 Kelly Plow Co., G. A.

**AGR. IMPS. (Con.)**

(Plows) .....C  
**TEXAS**—San Antonio  
 Alamo Iron Works (Hay  
 Presses) .....C  
 Collins Mfg. Co., F. F.  
 (Hay & Cotton Presses) .....C  
**VT.**—Middletown Springs  
 Gray's Sons, A. W. (Thresh-  
 ers, &c.) .....AA  
**VT.**—St. Albans  
 St Albans Fdy. & Implement  
 Co. ....B  
**VA.**—Alexandria  
 May & Son, Wm. H.  
 (Plows) .....B  
**VA.**—Charlottesville  
 Harris & Son, E. F. ....C  
**VA.**—Fredericksburg  
 Hunter, Chas. E. (Plows) .A  
 Southern Fdy. & Mach. Co.  
 (Corn Planters) .....A  
**VA.**—Lynchburg  
 Lynchburg Plow & Fdy. Co.  
 (Plows) .....A  
**VA.**—Norfolk  
 Billup's Son & Co., C. ....A  
 White & Bro., S. R. (Corn  
 Shellers; Cultivators;  
 Feed Cutters; Pea, Corn &  
 Cotton Planters; Breaking  
 & Shovel Plows) .....A  
 Whitehurst Co., R. W.  
 (Corn, Cotton & Potato  
 Planters; Garden, Potato  
 & Hop Plows & Hay  
 Presses) .....B  
**VA.**—Petersburg  
 Ayers, J. R. (Cotton & Pea-  
 nut Planters) .....D  
**VA.**—Richmond  
 Cardwell Machine Co. (Feed  
 Cutters; Bean & Pea  
 Harvesters; Corn Plant-  
 ers; Horse Power & Hay  
 Presses; Rice Threshers)  
 .....A  
 Starks Dixie Plow Wks.  
 (Plows, &c.) .....A  
**WASH.**—Walla Walla  
 Hunt, Gilbert Co. (Thresh-  
 ers, &c.) .....B  
**WIS.**—Beaver Dam  
 Rowell Mfg. Co., J. S.  
 (Cultivators; Fanning  
 Mills; Grain Drills; Bean  
 & Pea Harvesters; Rakes  
 & Seeders) .....A  
**WIS.**—Beloit  
 Thompson & Sons Mfg. Co.  
 (Cultivators; U-Bar, Steel  
 Lever & Champion Pipe-  
 Bar Harrows; Listers;  
 Corn Planters; Breaking,  
 Gang, Shovel & Sulky  
 Riding or Wheel Plows)  
 .....AA  
**WIS.**—Cudahy  
 Steltz, J. R. (Potato Plant-  
 ers) .....F  
**WIS.**—Evansville  
 Baker Mfg. Co. (Feed Mills,  
 &c.) .....A  
**WIS.**—Hartford  
 Hartford Plow Works (Feed  
 Cutters; Boss Lever,  
 Angle Bar & Scotch Har-  
 rows & Rowell Cultiva-  
 tors) .....C  
**WIS.**—Horicon  
 Van Brunt Mfg. Co. (Cul-  
 tivators; Grain & Disc  
 Grain Drills & Seeders)  
 .....AA  
**WIS.**—Janesville  
 Janesville Machine Co. (Cul-  
 tivators; Grain Drills;  
 Tubular Lever Harrows;  
 Gang & Sulky Riding or  
 Wheel Plows; Listers &  
 Mowers) .....AA  
 Kent, A. C. (Hand Corn  
 Planters) .....C  
 Rock River Machine Co.  
 (Hand Corn Planters) ...D  
**WIS.**—La Crosse  
 Fountain City Drill Co.  
 (Riding Corn Cultivators;  
 Grain Drills; Steel Lever  
 Harrows & Seeders) ...B  
 La Crosse Plow Co. (Riding  
 & Walking Cultivators;  
 Tubular, Zigzag, Steel &

**AGR. IMPS. (Con.)**

Wood, Flexible & Wood  
 Lever Harrows; Breaking,  
 Gang & Sulky Riding or  
 Wheel Plows) .....AA  
**WIS.**—Madison  
 American Plow Co. (Plows;  
 Cultivators, &c.) .....C  
 Fuller & Johnson Mfg. Co.  
 (Cultivators; Grain Drills;  
 Boss, Bonanza Lever &  
 U Pipe-Bar Harrows; Lis-  
 ters; Corn Planters;  
 Breaking, Gang, Garden,  
 Shovel, Subsoil & Sulky  
 Riding or Wheel Plows)  
 .....AA  
**WIS.**—Manitowoc  
 Smalley Mfg. Co. (Corn  
 Shellers; Feed Cutters &  
 Plows) .....B  
**WIS.**—Marinette  
 Stevens Co., A. W. (Corn  
 Shellers; Engines; Wind  
 Stackers & Threshers) .A  
**WIS.**—Menomonee Falls  
 Rowell Co., S. B. (Scotch  
 Harrows; Gang Plows) B  
**WIS.**—Milwaukee  
 Hirsch Bros., 287 Reed (Po-  
 tato Planters) .....D  
 Milwaukee Harvester Co.  
 (Corn Planters; Corn Har-  
 vests; Mowers & Reap-  
 ers) .....AAAA  
 Milwaukee Hay Tool Co.  
 (Corn Huskers; Fodder  
 Threshers; Haying Tools)  
 .....A  
**WIS.**—Racine  
 Belle City Mfg. Co. (Feed  
 Mills; Feed Cutters, &c.) B  
 Case Plow Works, J. L.  
 (Cultivators; Harrows;  
 Listers; Planters; Plows;  
 Straw Preserving & Rye  
 Threshers) .....AA  
 Case Threshing Machine Co.,  
 J. I. (Riding & Walking  
 Cultivators; Critic & Case  
 Lever & Scotch Harrows;  
 Corn Planters; Breaking,  
 Gang, Garden, Shovel,  
 Subsoil, Sulky Riding or  
 Wheel Plows; Stackers;  
 Weighers & Threshers)  
 .....AAAA  
 Dickey Mfg. Co. (Corn  
 Shellers; Fanning Mills,  
 &c.) .....F  
 Foster & Williams Mfg. Co.  
 (Fanning Mills; Feed Cut-  
 ters; Drag Rakes & Seed-  
 ers) .....B  
 Freeman & Sons Mfg. Co., S.  
 (Corn Shellers; Seeders;  
 Fanning Mills; Feed Cut-  
 ters, &c.) .....A  
**WIS.**—Sheboygan  
 Meyer & Co., Philip (Feed  
 Cutters & Feed Mills) .C  
**WIS.**—Stoughton  
 Stoughton Wagon Co.  
 (Plows; Wagons, &c.)  
 .....AA  
**WIS.**—Superior  
 Duplex Mfg. Co. (Feed  
 Mills, &c.) .....B  
**WIS.**—Waupun  
 Althouse-Wheeler Co. (Feed  
 Mills, &c.) .....A

**ALARMS**

**CONN.**—Ansonia  
 Ansonia Electrical Co.  
 (Burglar) .....A  
**CONN.**—New Haven  
 Reeves Mfg. Co. (Burglar)  
 .....C  
**ILL.**—Chicago  
 Crane Co., 10 N. Jefferson  
 (Low Water) .....AAAA  
 Hilk-McCanna Co., 50 N.  
 Wells (Low Water) ...F  
 Illinois Malleable Iron Co.,  
 80 W. Monroe (Low  
 Water; Electric Burglar;  
 Fire Sprinkler) .....A  
 Monash-Younger Co., 203 S.  
 Canal (Low Water) ...B  
 Railroad Supply Co. (High-

**ALARMS (Con.)**

way Crossings) .....A  
 Western Electric Co. (Burglar & Fire) .....AAAA  
**LA.—New Orleans**  
 National Automatic Fire Alarm Co. of La. (Fire, Thermostatic & Aut. Systems) .....C  
**MD.—Baltimore**  
 Viaduct Mfg. Co. (Fire, Thermostatic & Aut. Systems) .....B  
**MASS.—Boston**  
 American Steam Gauge & Valve Mfg. Co., Jamaica Plain (Low Water) .....C  
 Boston Automatic Fire Alarm Co. (Fire, Thermostatic & Aut. Systems) .....A  
 Boston Electric Co. (Burglar) .....B  
 Crosby Steam Gauge & Valve Co. (Low Water) .....AA  
 Electric Gas Lighting Co., 195 Devonshire (Burglar) .....A  
 National Fire Appliance Co., 161 Franklin (Fire, Thermostatic & Automatic Systems) .....E  
 Ziegler Apparatus Co. (Burglar & Fire) .....E  
**MASS.—Brookline**  
 Holtzer-Cabot Electric Co. (Burglar) .....A  
**MICH.—Detroit**  
 Detroit Lubricator Co., Hodges Building (Low Water) .....AA  
 Heath Electric Co. (Burglar) .....C  
 Michigan Lubricator Co. (Low Water) .....B  
**NEBR.—Omaha**  
 Western Electrical Co. (Electric, Fire) .....D  
**N. J.—Jersey City**  
 Griffing Iron Co., A. A. (Low Water) .....AA  
**N. J.—Newark**  
 Wilcox, L. M., 219 Market (Burglar) .....H  
**N. Y.—Binghamton**  
 Binghamton Machine Tool Works (Low Water) .....F  
 Star Electric Co. (Fire, Manual & Aut. Systems) .....E  
 Schafer & Budenberg, 10 Division (Low Water) .....D  
**New York City**  
 Ashcroft Mfg. Co., 85 Liberty (Low Water) .....A  
 Automatic Fire Alarm Co. (Fire, Ther. & Aut. Systems) .....AA  
 Benjamin, Geo. F., 81 Fulton .....C  
 Bunnell & Co., J. H., 20 Park Pl. (Burglar, Fire, Manual & Aut. Systems) .....A  
 Carleton-Chase Electric Co., 26 Cortlandt (Burglar) .....B  
 Consolidated Fire Alarm Co., 30 Broad (Fire, Manual & Aut. Systems) .....A  
 Edwards & Co., 407 E. 144th (Burglar, Fire, Manual & Aut. Systems) .....C  
 Einbigger & Adler (Burglar) .....F  
 Foote, Pierson & Co., 82 Fulton (Fire, Manual & Aut. Systems) .....D  
 Gamewell Fire Alarm Tel. Co., 19 Barclay (Fire, Manual & Aut. Systems) .....A  
 Hersog Teleseme Co., 51 W. 24th (Burglar, Fire, Ther. & Aut. Systems) .....D  
 Holmes Electric Protective Co., 26 Cortlandt (Burglar) .....B  
 Manhattan Electric Supply Co., 32 Cortlandt (Burglar) .....A  
 Manhattan Fire Alarm Co., 19 Barclay (Fire, Manual & Aut. Systems) .....C  
 Natl. Aut. Fire Alarm Co.

**ALARMS (Con.)**

(Fire, Ther. & Aut. Systems) .....X  
 Ostrander & Co., W. E. 22 Dey (Burglar) .....B  
 Pearce, Frederick (Burglar, Fire, Manual & Aut. Systems) .....B  
 Sargent & Co., 151 Leonard (Elec. Burglar) .....AAAA  
 Special Fire Alarm Elect. Signal Co., 18 Rose (Fire, Manual & Aut. Systems) .....E  
 Stanley & Patterson, 93 Liberty (Burglar) .....A  
 United Pneumatic Fire Alarm Tel. Co., 37 E. 18th (Fire, Manual & Aut. Systems) .....D  
**N. Y.—Rochester**  
 Standard Electric Signal Co. (Fire, Manual & Aut. Systems) .....E  
**N. Y.—Schenectady**  
 General Electric Co. (Electric Fire) .....AAAA  
**N. Y.—Utica**  
 Utica Fire Alarm & Tel. Co. (Fire, Manual, Police & Aut. Systems) .....C  
**N. Y.—Yonkers**  
 Van Auken-Cleavac Co. (Low Water) .....H  
**OHIO—Cincinnati**  
 Lunkenheimer Co., Beekman & Waverly (Low Water) .....AAA  
 Natl. Automatic Fire Alarm Co. (Fire, Ther. & Aut. Systems) .....D  
 Steigert, Leopold, Elder & Logan (High & Low Water) .....F  
 Thompson, Walter M. (Low Water) .....G  
**OHIO—Cleveland**  
 Reliance Gauge Column Co. (Low Water) .....D  
 Reliance Mach. & Tool Co. (Low Water) .....C  
**OHIO—Dayton**  
 Buckeye Iron & Brass Wks. (Low Water) .....A  
 Dayton Supply Co. (Burglar) .....B  
**PA.—Erie**  
 Erie Mfg. & Supply Co. (Low Water) .....B  
 Sims Co. (Low Water) .....E  
**PA.—Philadelphia**  
 Partrick, Carter & Wilkins, 1231 Callowhill (Burglar, Fire, Manual, Water & Aut. Systems) .....B  
**PA.—York**  
 Burrows Mfg. Co. (Low Water) .....E  
**R. I.—Providence**  
 General Fire Extinguisher Co. (Fire) .....AAAA  
 R. I. Elect. Protective Co. (Fire, Ther. & Aut. Systems) .....D  
**WIS.—Milwaukee**  
 Signalphone Co. (Fire; Police) .....B

**ALBERTYPES**

**MASS.—Boston**  
 Forbes Lithograph Mfg. Co. ....AA  
**New York City**  
 Federal Litho. Co. ....B

**ALBOLINE**

**New York City**  
 McKesson & Robbins .....AAAA

**ALBUMEN**

**ILL.—Chicago**  
 Kohnstamm & Co., H. (Egg) .....AA  
 Stein, Hirsh & Co. ....AAAA  
**New York City**  
 Kohnstamm & Co. H., 87 Park Pl. (Egg) .....AA  
 Zinkelsen & Co., 26 Cliff (Egg) .....C  
**OHIO—Cincinnati**  
 Berghausen Chem. Co. ....B

## ALBUMS

**ILL.—Chicago**  
 Barker Mfg. Co., A. C...B  
 Chicago Binder & Felt Co.,  
 43 Fulton (Photo).....E  
**MD.—Baltimore**  
 Bergner & Co., Fred.....A  
 New York City  
 Boorum & Pease Co. (Au-  
 tograph; Photograph) AAA  
 Gennert, G. (Photograph) B  
 Horn, Bro. & Co., W. C.,  
 541 Pearl 'Auto.; Easel;  
 Music; Photo.).....AA  
 Langsdorf & Co., S. (Photo-  
 graph) .....AAA  
 Perfection Sample Card Co.,  
 410 Broadway (Sample) E  
 Schafuss & Co., F. L.  
 (Photo.) .....C  
**N. Y.—Saugerties**  
 Saugerties Mfg. Co. (Au-  
 tograph) .....AA

## ALCHOHOL

See also Spirits

**CAL.—Vina**  
 Vina Distillery Co...AAAA  
**CONN.—So. Norwalk**  
 U. S. Alcohol Ref'g. Co...D  
**ILL.—Chicago**  
 Rosenfield Bros. & Co.  
 Woodford Distilling Co...A  
**ILL.—Peoria**  
 Corning & Co.....AAAA  
 Standard Distillery & Dist.  
 Co. ....AAAA  
 Woolner, S. & A.....AAAA  
**KY.—Covington**  
 Gold Leaf Distillery Co...B  
 Licking Valley Co.....A  
 Mullins, A. R.....B  
**KY.—Cynthiana**  
 Ashbrook Distillery Co.,  
 F. S. ....A  
**KY.—Early Times**  
 Beam, J. H. ....B  
**LA.—New Orleans**  
 Louisiana Distillery Co.  
 (Ethyl) .....AA  
 Southern Re-Distillery &  
 Rectifying Co. ....A  
**MD.—Baltimore**  
 Webb & Sons, A. L. (Wood)  
 B  
**MASS.—Boston**  
 Graves & Sons, C. H...AA  
 Merrimac Chemical Co.  
 75 Broad (Wood)....AAA  
**MICH.—Bay City**  
 Mich. Chemical Co....AAA  
**MICH.—Cadillac**  
 Cummer, Diggins & Co.  
 (Wood) .....A  
**MICH.—Detroit**  
 Antrim Chemical Co.  
 (Wood) .....B  
 Berry Bros. (Ltd.) (Wood)  
 AAA  
 Burrell Chem. Co. (Wood)  
 AA  
 Southern Chem. Co. (Wood)  
 A  
**MICH.—Elk Rapids**  
 Elk Rapids Iron Co. (Wood)  
 AAA  
**MICH.—Manistique**  
 Burrell Chem. Co. (Wood)  
 AA  
**MICH.—Traverse City**  
 Desmond Chem. Co. (Wood)  
 X  
**MICH.—West Bay City**  
 Young Chem. Co., W. D.  
 (Wood) .....A  
**MO.—St. Louis**  
 Larkin & Scheffer Chemi-  
 cal Co. (Wood) .....A  
 Mallinckrodt Chemical Wks.  
 AAAA  
**N. Y.—Binghamton**  
 Bayless & Co., F. J.  
 (Wood) .....AA  
 Binghamton Chem. Co.  
 (Wood) .....H  
 Brandt Chem. Co. (Wood)  
 A  
 Colchester Chem. Co.  
 (Wood) .....D

**ALCOHOL (Con.)**  
 Collier, H. C. (Wood)....B  
 Corbett & Co. M. J.  
 (Wood) .....A  
 Finch-Ross Chem. Co.  
 (Wood) .....E  
 Inderlied Chem. Co. (Wood)  
 F  
**N. Y.—Buffalo**  
 Wood Products Co. (Wood)  
 AAAA  
**N. Y.—Cooks Falls**  
 Leighton & Co. (Wood)...B  
 Treys & Hart Chem. Co.  
 (Wood) .....D  
 New York City  
 Cooper & Co., Chas. (Wood)  
 A  
 Salomon & Bro., L. A., 216  
 Pearl (Wood) .....A  
**N. Y.—Redbury**  
 Tyler-Hall Chemical Co.  
 (Wood) .....O  
**OHIO—Bradford**  
 Lewis Run Mfg. Co.  
 (Wood) .....C  
 Smith Chem. Co., A. B.  
 (Wood) .....B  
**OHIO—Brandt**  
 Kessler & Co. (Wood)....B  
**OHIO—Canton**  
 Beardslee Bros. & Co.  
 (Wood) .....D  
 Innes Bros. & Co. (Wood)  
 D  
**OHIO—Cincinnati**  
 Freiberg & Workum (Wood)  
 AAAA  
 Clifton Springs Distillery  
 Co. ....AA  
**OHIO—Hazlehurst**  
 Hazlehurst Chemical Co.  
 (Wood) .....C  
**OHIO—Kane**  
 La Mount Chem. Co. (Wood)  
 C  
 Forest Chem. Co. (Wood) B  
**OHIO—Mt. Alton**  
 Bartley & Co., John (Wood)  
 F  
**OHIO—Nansen**  
 Nansen Chemical Co.  
 (Wood) .....B  
**OHIO—Newark**  
 Heinmann Chem. Co.  
 (Wood) .....A  
**OHIO—Philadelphia**  
 Davis, Paul A. Jr. (Wood)  
 A  
 Griffin, Nicholas J. ....F  
**OHIO—Port Allegheny**  
 Gray Chem. Co. (Wood)...F  
 Wyman Chem. Co. (Wood)  
 O  
**OHIO—Susquehanna**  
 Lackawanna Chem. Co.  
 (Wood) .....C  
 Wright & Co., C. F.  
 (Wood) .....C  
**OHIO—Wilcox**  
 Wilcox Mfg. Co. (Wood)...O  
**OHIO—Williamsport**  
 Hermance Chem. Co. (Wood)  
 O  
 McKean Chem. Co. (Wood)  
 O  
 Otto Chem. Co. (Wood)...C  
**ALE**  
**CAL.—San Francisco**  
 Eggers & Co. (Ginger)..F  
**CONN.—Seymour**  
 Arethusa Spring Water Co.  
 (Ginger) .....AA  
**MD.—Baltimore**  
 Gosman Ginger Ale Co.  
 (Ginger) .....B  
**MICH.—Grand Rapids**  
 Rademaker & Sons, H.  
 (India Pale) .....E  
**MONT.—Butte City**  
 Centennial Brewing Co.  
 (Ginger) .....A  
**N. J.—Jersey City**  
 Lembeck & Betz.....AAA  
**N. J.—Newark**  
 Ballantine & Sons, P.  
 (India Pale) .....AAAA  
 Feigenspan, Christian  
 AAAA  
**N. Y.—Hudson**  
 Evans & Sons, C. H.

**ALE (Con.)**  
 (India Pale) .....AA  
**N. Y.—Rochester**  
 Bartholomay Brewing Co. ....AAA  
**New York City**  
 De Lissar & Co. (Ginger)...B  
 Ross & Bro., Wm. A.  
 (Belfast-Ginger) .....B  
**N. Y.—Syracuse**  
 Greenway Brewing Co.  
 (India Pale) .....B  
**OHIO—Cleveland**  
 Sachs, Kirkpatrick Co.  
 (Ginger) .....D  
**OHIO—Columbus**  
 Hoster Brewing Co., S...AAA  
**OHIO—Dayton**  
 Sachs, Pruden Ginger Ale  
 Co. (Ginger—India Pale) .....D  
**PA.—Philadelphia**  
 Bergner & Engel Brew. Co.  
 (India Pale) .....AAAA  
**PA.—Pittsburg**  
 Pittsburg Brewing Co. ....AAAA  
**TEXAS—El Paso**  
 Houck & Dieter (Ginger)...A  
**WIS.—Waukesha**  
 Bethesda Mineral Spring Co.  
 (Ginger) .....A

## ALFORJAS

**New York City**  
 Abercrombie & Fitch.....B

## ALIZARINE

See Colors

## ALKALI

**KY.—Louisville**  
 Kentucky Refining Co. ....AAAA  
**MD.—Baltimore**  
 Thomsen Chem. Co.....B  
**MASS.—Boston**  
 Linder & Meyer.....A  
**New York City**  
 Fuerst Bros. & Co.....D  
 Selling Co., The.....B  
 Wing & Evans.....AAA  
**N. Y.—Niagara Falls**  
 Roberts Chem. Co.....X  
**N. Y.—Syracuse**  
 Solway Process Co...AAAA  
**OHIO—Cincinnati**  
 Am. Chemical Co.....C  
 Winkler & Bro., Isaac...AA  
**OHIO—Cleveland**  
 Clark Co., F. G.....A  
**PA.—Philadelphia**  
 Hollingworth & Peterson.B

## ALKALOIDS

**ILL.—Chicago**  
 Baker & Co., Chas. S....C  
**MICH.—Detroit**  
 Parke, Davies & Co...AAAA  
**New York City**  
 McKesson & Robbins  
 (Opium & Salts)...AAAA  
**New York Quinine & Chemical Works, Ltd. (Cinchona; Opium & Salts).A**  
 Schieffelin & Co., W. H.  
 (Cinchona & Salts)...AA  
**PA.—Philadelphia**  
 Powers-Weightman-Rosen-  
 garten Co. (Cinchona &  
 Salts) .....AAAA  
 Shoemaker & Co., Robert  
 (Opium & Salts).....AA

## ALLEYS

**CAL.—San Francisco**  
 Am. Bowling Alley Co...X  
**MICH.—Detroit**  
 Schulenburg Mfg. Co.  
 (Bowling) .....C  
**New York City**  
 Brunswick-Balke-Collender  
 Co. (Bowling) ....AAAA  
 Grote & Co., F. (Bowling) .....D  
**OHIO—Toledo**  
 Stevens, B. A. (Bowling).A  
**R. I.—Providence**  
 Narragansett Mach. Co.

**ALLEYS (Con.)**  
 (Bowling) .....A

## ALLIGATOR

See Leather

## ALLOYS

**CONN.—Bridgeport**  
 Bridgeport Deoxidized  
 Bronze & Metal Co.  
 (Aluminum) .....C  
**CONN.—New Haven**  
 Hill, Albert M. (Nickel;  
 Copper) .....E  
**CONN.—Waterbury**  
 Benedict & Burham Mfg.  
 Co. (Copper; Nickel) .....AAAA  
**Scovill Mfg. Co. (Alumi-  
 num) .....AAAA**  
**ILL.—Chicago**  
 Frink & Young (Dental)...D  
**IND.—Indianapolis**  
 Fox & Garhart Spec. Co.  
 (Dental) .....B  
 Garhart Dental Mfg. Co.  
 (Dental) .....D  
**MICH.—Detroit**  
 Moore & Son, E. C. (Fu-  
 sible) .....F  
**MO.—St. Louis**  
 Hisey Dental Mfg. Co.  
 (Gold, Dental) .....X  
 Varney Dental Co. (Dental) .....E  
**N. J.—Jersey City**  
 Williams & Son, E. A., 105  
 Plymouth (Aluminum) ....AAA

**N. J.—Riverside**  
 Riverside Metal Co. (Gold) .....A  
**N. Y.—Lockport**  
 Cowles Elect. Smelting &  
 Aluminum Co. (Alumi-  
 num; Manganese; Silicon;  
 Special, White Metal) B  
**New York City**  
 Boker & Co., Hermann  
 (Nickel) .....AAA  
 Cons. Dental Mfg. Co.  
 (Dental) .....B  
 Kemp Co., W. H., 165  
 Spring (Aluminum)....B  
 Hungerford, U. T. (Metal) .....AA  
**Lissberger & Son, Marks, 397  
 W. 12th (White Metal).B**  
**Nassau Smelting & Refin-  
 ing Wks., 603 W. 29th  
 Exchange Pl. (Nickel) .....AAA**  
**Roessler & Hasslacher Chem.  
 Co., 100 William (Ferro) .....AA**

**OHIO—Cleveland**  
 Cleveland Dental Mfg. Co.  
 (Dental) .....B  
**PA.—Connellsville**  
 Riverside Metal Refining  
 Co. ....D  
**PA.—Philadelphia**  
 Janney, Steinmets & Co.  
 (Aluminum) .....D  
 Phosphor Bronze Smelting  
 Co., 2200 Washn. Av.  
 (Phosphor Bronze) ....B  
 Sibley, Gideon (Dentists'  
 Gold; Dentists' Platinum) .....AA

**PA.—Pittsburg**  
 Pittsburg Reduction Co.  
 Park Bldg. (Aluminum;  
**ALLOYS—(Con.)**  
 Aluminum Hollow Ware) .....AAA

**R. I.—Providence**  
 Wall & Co., A. T. (Gold;  
 Silver) .....C

## ALMONDS

See Nuts

## ALOIN

**MO.—St. Louis**  
 Larkin & Scheffer Chemical  
 Co. ....A

**ALOIN (Con.)**  
 Mallinckrodt Chemical Wks.  
 AAAAA  
 New York City  
 New York Quinine & Chem-  
 ical Works (Ltd.) .....A  
**PA.—Philadelphia**  
 Powers-Weightman-Rosen-  
 garten Co. ....AAAA

## ALPACA

See Silk Goods

## ALPHABETS

See Stencils

## ALTARS

**ILL.—Chicago**  
 Andrews Co., A. H. ....AA  
 Sherman & Flavin (Marble)  
 B  
**ILL.—Quincy**  
 Schenk Altar Co. ....G  
**IOWA—Dubuque**  
 Dubuque Altar Mfg. Co..X  
**MASS.—Cambridge**  
 Wall Co., Chas. E. (Marble)  
 A  
**MO.—St. Louis**  
 Pickel Marble & Granite Co.  
 (Marble) .....A  
 New York City  
 Fisher & Co., Robert C.  
 (Marble) .....AA  
 Lamb, J. & R. (Church)..D  
 Stoltsenberg Co., 51 Barclay  
 (Church) .....B  
**OHIO—Cincinnati**  
 Great Western Marble Wks.  
 (Marble) .....C  
**PA.—Glen Rock**  
 Glen Mfg. Co. ....B  
**PA.—Philadelphia**  
 Gara, McGinley & Co.  
 (Church) .....A  
**VT.—Fair Haven**  
 Fair Haven Marble & Mar-  
 bleized Slate Co. (Church)  
 B

## ALTERNATORS

See also Dynamos

**MINN.—Minneapolis**  
 Electric Machinery Co.  
 (Electric) .....A  
 New York City  
 Roche & Co., F. A., 656  
 Hudson (Electric) .....F  
**N. Y.—Scheneectady**  
 General Electric Co. (Elec-  
 tric) .....AAAA  
**PA.—Pittsburg**  
 Westinghouse Electric &  
 Mfg. Co. (Electric).AAAA

## ALUM

**ILL.—Chicago**  
 Fuller & Fuller (Ground)  
 AA  
**MD.—Baltimore**  
 Thomsen Chemical Co., 310  
 Equit. Bldg. ....F  
**MASS.—Boston**  
 Cochrane Chemical Co.  
 (Porous) .....AAA  
 Merrimac Chemical Co., 75  
 Broad .....AA  
**MICH.—Detroit**  
 Detroit Chemical Works, 238  
 Junction Av. ....B  
**MO.—St. Louis**  
 Hygenic Chemical Co., 710  
 N. 2d .....A  
 New York City  
 General Chemical Co., 25  
 Broad .....AAAA  
 Jones Chem. Co., Enos F.  
 51 Jay .....B  
 Kuttroff, Pickhardt & Co..A  
 Selling Co., The.....B  
 Sholes Co., C. B.....X  
**N. Y.—Syracuse**  
 Solvay Process Co..AAAA  
**PA.—Easton**  
 Baker & Adamson Chemical

**ALUM (Con.)**  
 Co. ....A  
**PA.—Philadelphia**  
 Harrison Bros. & Co. (Inc.)  
 AAAAA  
 Penn. Salt Mfg. Co., 115  
 Chestnut (Porous; Lump;  
 Ground) .....AAAA  
 Powers-Weightman-Rosen-  
 garten Co. ....AAAA

## ALUMINA

**MASS.—Boston**  
 Cochrane Chemical Co....AA  
 Merrimac Chem. Co. (Sul-  
 phate; Chloride; Hydrate;  
 Acetate) .....AA  
**MO.—St. Louis**  
 Mallinckrodt Chemical Wks.  
 (Sulphate) .....AAAA  
**N. Y.—Brooklyn**  
 Wiarda & Co., John C.  
 (Fluoride) .....AA  
 New York City  
 General Chemical Co., 25  
 Broad (Sulphate) .AAAA  
 Klipstein & Co., A.....AA  
 Kuttroff Pickhardt & Co. A  
 A  
 Roessler & Hasslacher  
 Chem. Co. ....AA  
 Sholes Co., C. E.....X  
 Williamson & Co., D. D.  
 14 Dey (Flouride) .....B  
**PA.—Philadelphia**  
 Penn. Salt Mfg. Co. (Sul-  
 phate) .....AAAA  
 Harrison Bros. & Co..AAAA

## ALUMINUM

See also Ingots

**CONN.—Waterbury**  
 Scovill Mfg. Co. (Sheet)  
 AAAAA  
**ILL.—Chicago**  
 Harrington & King Perfor-  
 ating Co., 224 No. Union  
 (Perforated) .....A  
 Turners Brass Works.....A  
**MO.—St. Louis**  
 Schwahn Reduction Co..X  
**N. J.—Jersey City**  
 Williams & Son, E. A...AA  
 New York City  
 Kemp, W. H., Co., 105  
 Spring (Rolled) .....B  
 Mundt & Sons, Chas., 441  
 Pearl .....B  
 Wilson Aluminum Co., 99  
 Cedar .....AA  
 Zucker & Levett & Loeb  
 Co., 528 W. 25th.....A  
**OHIO—Canton**  
 Canton Brass & Aluminum  
 Co. ....D  
**OHIO—Cincinnati**  
 Obermayer Co., S. (Ferro-  
 silicon) .....AA  
**OHIO—Jackson**  
 Star Furnace Co. (Ferro-  
 silicon) .....A  
**PA.—Philadelphia**  
 Janney, Steinmetz & Co.,  
 Drexel Building .....D  
**PA.—Pittsburg**  
 Pittsburg Reduction Co.  
 (Sheet; Ingot, etc.) AAAA  
 U. S. Aluminum Co.....B  
**R. I.—Providence**  
 Wall & Co., A. T. (Tubing)  
 C

## ALUMINUM WARE

Cooking, &c.

**ILL.—Lemont**  
 Ills. Pure Aluminum Co..B  
**MICH.—St. Joseph**  
 Bradford Co. ....C  
**N. Y.—Buffalo**  
 Shepard & Co., Sidney  
 AAAAA  
 New York City  
 Abercrombie & Fitch  
 (Sportsmen's Goods)....B  
 Thurnauer & Bro., G. M.,  
 85 Park Pl. ....X



**ALUMINUM (Con.)**  
**OHIO**—Sidney  
 Wagner Mfg. Co.....A  
**PA.**—Erie  
 Griswold Mfg. Co.....A  
**PA.**—Pittsburg  
 U. S. Aluminum Co.....B

## AMALGAMATORS

See also Machinery

**N. Y.**—Brooklyn  
 Ross & Son Co., Chas....D  
**OHIO**—Zanesville  
 Griffith & Wedge Co.....B

## AMALGAMS

See also Fillings

**MO.**—St. Louis  
 Nolde Dental Mfg. Co., Jno.  
 T. (Dental) .....B  
**OHIO**—Cleveland  
 Cleveland Dental Mfg. Co.  
 (Dental) .....B  
**New York City**  
 Cons. Dental Mfg. Co.  
 (Dental) .....B  
**PA.**—Philadelphia  
 Johnson & Lund.....AA

## AMBER GOODS

**ILL.**—Chicago  
 Reiss Bros. & Co. ....AA  
**New York City**  
 Kaldenburg Importing &  
 Trading Co. ....D  
 Reichert, H., 540 E. 145th  
 X  
 Zuern, G., 56 University Pl.  
 B

## AMBULANCES

**ILL.**—Quincy  
 Miller & Co., E. M.....A  
**IND.**—Jeffersonville  
 Holzbog & Bro., Geo. H...A  
**IND.**—So. Bend  
 Studebaker Bros. Mfg. Co.  
 AAAA  
**OHIO**—Cincinnati  
 Crane & Breed Mfg. Co...AA

## AMETHYSTS

See Jewelry; Prec. Stones

## AMMETERS

See also Meters

**CONN.**—Waterbury  
 Bristol Co. (Electric)....D  
**ILL.**—Chicago  
 McIntosh Battery & Opti-  
 cal Co. ....D  
**MASS.**—West Somerville  
 American Coll Co.....D  
**MO.**—St. Louis  
 Wagner Electric Mfg. Co.  
 AA  
**N. J.**—Waverly Park  
 Weston Electric Instrument  
 Co. ....A  
**N. Y.**—Schenectady  
 General Electric Co...AAAA  
**New York City**  
 Western Electric Co., 57  
 Bethuen .....AAAA  
**OHIO**—Cincinnati  
 Craighead Engineering Co.  
 D  
**PA.**—Pittsburg  
 Westinghouse Elec. & Mfg.  
 Co. (Electric) ....AAAA

## AMMONIA

**CAL.**—San Francisco  
 Herrmann Co., Geo., 310  
 Sacramento .....B  
**Pacific Ammonia & Chemi-  
 cal Co., Fran. & Web-  
 ster** .....AAA  
**COLO.**—Denver  
 Colorado Ammonia & Chemi-  
 cal Co. ....AAA  
 Western Chemical Mfg. Co.

**AMMONIA (Con.)**  
 (Aqua) .....AA  
**DEL.**—Wilmington  
 Atlantic Dynamite Co.  
 (Salts of) .....AAA  
**National Ammonia Co.**...AAA  
**ILL.**—Chicago  
 Armour Ammonia Works  
 (Anhydrous) .....AAAA  
 Higbie Co., F. K., 85 So.  
 Water .....D  
 Delaware Chemical Co....C  
 Northwestern Fertilizing  
 Wks. (Aqua) .....AAAA  
 Wolf Co., Fred W. (Con-  
 densed) .....AAAA  
**KY.**—Louisville  
 Clapp Ammonia Co.....B  
**LA.**—New Orleans  
 Barrett Mfg. Co. Hibernia  
 Bank Bldg. ....AAAA  
**MD.**—Baltimore  
 Gilpin & Moore, 920 E.  
 Fort Av. ....C  
 McCormick & Co. (Aqua &  
 Anhydrous) .....D  
 Thomsen Chemical Co.  
 (Aqua; Phosphate) ....B  
**MD.**—Hagerstown  
 Hagerstown Chemical Co..F  
**MASS.**—Boston  
 Billings, Clapp & Co. (Aqua,  
 Salts of) .....B  
 Cochran Chemical Co.  
 (Aqua) .....AA  
 Merrimac Chem. Co. (Aqua)  
 AA  
**N. E. Gas & Coke Co. (Sul-  
 phate)** .....B  
**MASS.**—Chelsea  
 Hecla Compressed Gas Co.  
 (Anhydrous Insolution). .B  
**MASS.**—Easthampton  
 Bay State Chemical Co..F  
**MICH.**—Detroit  
 Michigan Ammonia Works  
 (Carbonate) .....A  
 Michigan Carbon Works  
 (Salts of) .....AAA  
**MO.**—St. Louis  
 Herf & Frerichs Chemical  
 Co. (Aqua; Anhydrous)  
 A  
 Larkin & Scheffer Chemical  
 Co. (Aqua) .....A  
 National Ammonia Co., 3600  
 N. Bway.....AAA  
 Mallinckrodt Chemical Co.  
 (Aqua; Spirits of; Salts  
 of) .....AAAA  
**N. J.**—Camden  
 Consumers Ammonia Co...D  
**N. J.**—Fieldsboro  
 Caven-Williamson Ammo-  
 nia Co. ....D  
 Severn, W. B.....D  
 Standard Ammonia & Chemi-  
 cal Co. ....D  
**N. J.**—Newark  
 Lesters Agricultural Chemi-  
 cal Wks. (Salts of) .AAAA  
**N. Y.**—Brooklyn  
 Columbia Chemical Wks.,  
 43 Sedgwick (C. C. Par-  
 son's Household) .....B  
 Kern, Geo. (For Domestic  
 Use) .....X  
 Wiarda & Co., John C.  
 (Salts of; Aqua) .....AA  
**N. Y.**—Buffalo  
 Schoellkopf, Hartford &  
 Hanna Co. (Carbonate)  
 AAA  
 Towns & Wright, 230 Wash-  
 ington .....D  
**New York City**  
 Am. Coal Products Co.  
 (Sulphate) .....X  
 Clapp Ammonia Co., B. P.,  
 245 Bway.....B  
 Cooper & Co., Chas. (Aqua)  
 AA  
 Fuerst Bros. & Co., 2 Stone  
 (Carbonate) .....B  
 General Chemical Co., 25  
 Broad (Aqua) .....AAAA  
 Hirsh & Son, L., 368  
 Greenwich .....C  
 Erkenbach, Geo. A. (Aqua;  
 Nitrate) .....D  
 Heller, Hirsh & Co. (Aqua)  
 AA  
 Jordan & Co., Stanley (Car-  
 bonate) .....D

**AMMONIA (Con.)**  
 Listers Agricultural Wks. (Sulphate) .....AAAA  
 Jones Chemical Wks., Enos F. (Aqua) .....B  
 Kalbfleisch Co., F. H., 35 Burling Slip .....B  
 McKesson & Robbins (Salts of) .....AAAA  
 National Ammonia Co., 90 William .....AAA  
 Schleffelin & Co., W. H. (Aqua) .....AA  
 Sholes Co., C. E. (Aqua) ..X  
 N. Y.—Pen Yan Empire Chemical Co. ....B  
 N. Y.—Syracuse Solvay Process Co. (Aqua) .....AAAA  
**OHIO—Cincinnati**  
 American Chemical Co., 642 Carr. ....D  
**OHIO—Cleveland**  
 Grasselli Chemical Co. (Aqua) .....AAAA  
**PA.—Easton**  
 Baker & Adamson Chemical Co. (Aqua) .....A  
**PA.—Erie**  
 Watson Co., H. F. (Aqua) .....AAA  
**PA.—Harrisburg**  
 Carlisle & Roberts .....C  
**PA.—Philadelphia**  
 Ammonia Co. of Phila., Grays Ferry Av. (Aqua; Sulphate; Anhydrous) ..X  
 Caven-Williamson Ammonia Co., 109 No. Front .....D  
 Consumers Ammonia Co., 143 N. Front .....D  
 Continental Mfg. Co. (Aqua) .....D  
 Ferguson Bros. (Sulphate) .....A  
 Goldschmid Co., Theo, J., 3346 Frankford Av. ....A  
 Harrison Bros. & Co. (Aqua) .....AAAA  
 Moro-Phillips Wks. (Aqua) .....AAAA  
 National Ammonia Co. ....AAAA  
 Penna. Salt Mfg. Co. (Aqua) .....AAAA  
 Powers-Weightman-Rosengarten Co. (Aqua; Spirits of; Salts of) .....AAAA  
 Warrington & Co., E. R., Step. Girard Bldg. ....A  
**VA.—Richmond**  
 Armitage Mfg. Co. ....B  
 Va.-Carolina Chem. Co. ....AAAA

## AMMUNITION

See Powder; Shot; Cartridges; Shells, &c.

## AMUSEMENTS

See Games; Toys, &c.

## AMYL

**N. Y.—Albany**  
 Albany Chemical Co. (Acetate) .....A  
**N. Y.—Buffalo**  
 Schoellkopf, Hartford & Hanna Co. (Acetate) .AAA  
**New York City**  
 Cooper & Co., Chas. (Acetate) .....AA  
 Maas & Waldstein (Acetate) .....A  
 Warner Chemical Co. ....AAA

## ANCHORS

**CONN.—Middletown**  
 Wilcox, Crittenden & Co. ....A  
**CONN.—New Haven**  
 National Steel Fdy. Co. (Ship) .....A  
**ILL.—Chicago**  
 Country Home Telephone Mfg. Co. (Guy) .....F  
**IND.—New Albany**  
 Goets Box Anchor Co. (Jolst) .....E  
**MASS.—Gloucester**  
 Cape Ann Anchor Works (Ship) .....A

## ANCHORS (Con.)

**MICH.—Detroit**  
 Amos Co., Chas. ....F  
**MO.—St. Louis**  
 Kupferle, John C. (Building) .....AA  
 Matthews & Bro., W. N. (Ship) .....D  
 Plueger & Henger Mfg. Co. (Building) .....A  
**N. J.—Boonton**  
 Lincoln Iron Wks. (Building) .....B  
**N. J.—Camden**  
 Dialogue & Sons, John H. (Ship) .....AA  
**New York City**  
 De Grauw, Aymar & Co. (Ship) .....AA  
 Dimond, Thomas (Ship) ..A  
 New Jersey Fdy. & Mach. Co., 9 Murray (Screw; Ship) .....D  
 Star Expansion Bolt Co., 149 Cedar (Screw) .....F  
 Tiebout, W. & J., 118 Chambers (Ship) .....B  
**OHIO—Cleveland**  
 Van Dorn Iron Works Co. (Steel Jolst) .....AA  
**OHIO—Kenton**  
 Champion Iron Co. (Jolst) .....AA  
**OHIO—Toledo**  
 Donovan Wire & Iron Co. (Building) .....C  
**PA.—Chester**  
 Baldt Anchor Co. (Ship) ..A  
 Seaboard Steel Casting Co. (Ship) .....AA  
 Admiral Anchor Co. ....X  
**PA.—Philadelphia**  
 Chester Steel Casting Co. (Ship, Folding) .....AA  
 Uhler & English (Ship) ..AA  
**PA.—Pittsburg**  
 Lanz & Sons, M. (Building; Rock) .....AA  
**PA.—South Bethlehem**  
 Bethlehem Foundry & Machine Co. (Ship, Building) .....C  
**R. I.—Pawtucket**  
 Pawtucket Mfg. Co. ....A  
**R. I.—Providence**  
 Amer. Ship Windlass Co. (Ship & Yacht) .....AA  
**TENN.—So. Pittsburg**  
 Blacklock Fdy. Co. (Building) .....C  
**WIS.—Milwaukee**  
 Bayley & Sons Co., Wm. (Building) .....X

## ANCHOVIES

**New York City**  
 Ams, Max, 372 Greenwich .....AA  
 Strohmeier & Arpe Co., 33 Water .....A  
**PA.—Philadelphia**  
 Niemeyer, W., 2d & Ellsworth .....F

## ANDIRONS

**COLO.—Denver**  
 Richter Iron Wks. ....G  
**CONN.—Meriden**  
 Bradley & Hubbard Mfg. Co. (Brass) .....AAA  
**CONN.—New Haven**  
 Elm City Brass Co., 80 Audubon .....H  
 Rostand Mfg. Co. ....D  
**CONN.—Southampton**  
 Peck, Stow & Wilcox Co. (Brass & Iron) .....AAAA  
**ILL.—Chicago**  
 Winslow Bros. Co., 363 Carroll Av. (Hand Forged) .....AA  
**KY.—Louisville**  
 Peerless Mfg. Co. ....AA  
**MASS.—Boston**  
 Boston Brass Andiron Co. ....G  
**MO.—St. Louis**  
 Pleuger & Henger Mfg. Co. ....A  
**New York City**  
 Graf, Frank H., 322 7th Av. ....D  
 Jackson & Bro., E. A., 50

**ANDIRONS (Con.)**  
 Beekman .....C  
 Jackson Co., W. H., 29 E.  
 17th (Brass & Iron) ....A  
 Judd & Co., H. L. (Brass)  
 AA  
 Mott Iron Wks., J. L. (Iron)  
 AA  
 Sargent & Co., 151 Leonard  
 AAAA  
**N. C.—Charlotte**  
 Mecklenberg Iron Wks....X  
**OHIO—Cincinnati**  
 Haven Co., Jas. L. (Iron)..B  
**PA.—Allegheny**  
 Pittsburg Lamp, Brass &  
 Glass Co. (Brass)...AAAA  
**PA.—Philadelphia**  
 Harrison's Sons, Wm. H.  
 (Brass & Iron) .....E  
**PA.—Pittsburg**  
 Pittsburg Brass Co. (Brass)  
 D  
**TENN.—So. Pittsburg**  
 Blacklock Foundry .....C

## ANEMOMETERS

**MD.—Baltimore**  
 Friez, Julian P., 1230 E.  
 Balto. ....E  
**New York City**  
 Keuffel & Esser Co., 127  
 Fulton .....AA  
 Tagliabue, G., 302 Pearl..B

## ANGELICA

See Liquors

## ANGLES

See Iron & Steel; Brass;  
 Copper

## ANIMALS

See Toys

## ANILINE

See Colors; Dyes

## ANKLETS

Surgical

**N. Y.—Lockport**  
 Empire Mfg. Co. ....A  
**N. Y.—Richfield Springs**  
 Waltonha Knitting Co....B  
**PA.—Philadelphia**  
 Philadelphia Truss Co....X  
**VT.—Bennington**  
 Cooper, Chas. ....B

## ANNATONE

**ILL.—Chicago**  
 Fuller & Fuller.....AA

## ANNEALERS

**ILL.—Chicago**  
 Chicago Pneumatic Tool Co.,  
 Fisher Bldg. (Armor  
 Plate) .....AAAA

## ANNUNCIATORS

**CONN.—Ansonia**  
 Ansonia Electrical Co.  
 (Elect.) .....A  
**GA.—Atlanta**  
 Wotton Electric & Mfg. Co.  
 (Elevator) .....D  
**ILL.—Chicago**  
 Moon Mfg. Co., 49 S. Canal  
 (Electric) .....E  
 Western Electric Co., 259  
 S. Clinton (Electric)  
 AAAA  
**MD.—Baltimore**  
 Viaduct Mfg. Co., 10 So.  
 Howard (Electric).....B  
**MASS.—Boston**  
 Boston Electric Co., 29 Har-  
 rison Av. (Electric)...B  
 Electric Gas Lighting Co.,

**ANNUNCIATORS (Con.)**  
 195 Devonshire (Electric)  
 B  
**MASS.—Brookline**  
 Holtzer-Cabot Electric Co.  
 (Electric) .....A

**N. Y.—Binghamton**  
 Star Electric Co. (Electric)  
 D

**N. Y.—Buffalo**  
 Proctor-Raymond Mfg. Co.,  
 442 Niagara (Electric)..D  
**New York City**

Bunnell & Co., J. H., 20  
 Park Pl. (Electric).....B  
 Edwards & Co., 407 E. 144th  
 (Electric, Elevator)....C  
 Herzog Teleseme Co., 51 W.  
 24th (Elevator) .....D  
 Manhattan Elect. Supply Co.  
 32 Cortlandt (Electric).A  
 Ostrander & Co., W. E., 22  
 Dey (Electric) .....B  
 Stanley & Patterson, 93 Lib-  
 erty (Electric).....A  
**N. Y.—Rochester**  
 Bradley & Co., E. C.,  
 (Electric) .....H  
**N. Y.—Utica**  
 Utica Electrical Mfg. &  
 Supply Co. (Electric)...X  
**OHIO—Akron**  
 Garl Electric Co. (Electric)  
 F

**OHIO—Cleveland**  
 Ohio Electric Co. (Electric)  
 D  
**PA.—Philadelphia**  
 Gifford & Henry, 17 S. 8d  
 (Electric) .....F  
 Novelty Electric Co., 52 No.  
 4th (Electric).....C  
 Partrick, Carter & Wilkins,  
 1231 Callowhill (Electric,  
 Elevator) .....B

**PA.—Philadelphia**

Gifford & Henry, 17 S. 8d  
 (Electric) .....F  
 Novelty Electric Co., 52 No.  
 4th (Electric).....C  
 Partrick, Carter & Wilkins,  
 1231 Callowhill (Electric,  
 Elevator) .....B

## ANODES

**CONN.—Hartford**  
 Ney & Co., J. M. (Gold &  
 Silver) .....C  
**CONN.—Seymour**  
 Seymour Mfg. Co. (Brass;  
 Bronze; Copper)....AAA  
**MASS.—New Bedford**  
 Taunton-New Bedford Cop-  
 per Co. (Copper)....AAA  
**N. J.—Bloomfield**  
 Hudson Rolling Mill Co.  
 (Copper) .....E  
**New York City**  
 Zucker & Levett & Loeb Co.  
 (Brass; Copper; Nickel).A  
**R. I.—Providence**  
 Remington & Son Co.,  
 Horace .....C

## ANODYNE

**MD.—Baltimore**  
 Sharp & Dohme (Hoff-  
 man's) .....AAAA  
**MASS.—Boston**  
 Billings, Clapp & Co.  
 (Hoffman's) .....B  
**MO.—St. Louis**  
 Mallinckrodt Chemical Wks.  
 (Hoffman's) .....AAAA  
**New York City**  
 New York Quinine & Chem.  
 Wks. (Ltd.) (Hoffman's)  
 A

## ANTI-CANDLES

**CONN.—New Haven**  
 English & Mersick Co....B

## ANTIMONY

**ILL.—Chicago**  
 Blatchford & Co., E. W.  
 AAAA  
 Raymond Lead Co., 51 W.  
 Lake .....AAAA  
 Ryan & Co., J. J., 68 W.  
 Monroe .....C  
**MASS.—Boston**  
 Waite, Ranlet & Co.....B  
**MO.—St. Louis**  
 Hiertz & Son, Theo., 10th

**ANTIMONY (Con.)**

& Poepping .....D  
 Hoyt Metal Co. ....AAAA  
 N. J.—Jersey City  
 Williams & Son, E. A. ....AA  
 N. Y.—Brooklyn  
 Enequist, E., 9th & Roeb-  
 ling (Oxide) .....D  
 Wiarda & Co., Jno. C.  
 (Needle Ground).....AA  
 New York City  
 American Metal Co., 52  
 Bway. ....AAAA  
 Davol & Sons, John, 100  
 John .....AA  
 Frankel, Jos., 81 Fulton...C  
 Hendricks Bros., 49 Cliff  
 AAAAA  
 Quincy & Co., Jno. W., 81  
 Fulton .....A  
 Vogelstein, L., 90 Wall...H  
 PA.—Easton  
 Baker & Adamson Chem.  
 Co. ....A  
 PA.—Philadelphia  
 Merchant & Co., 517 Arch  
 AA  
 Trotter & Co., Nathan, 38  
 No. Front .....AA  
 U. S. Smelting Wks. ....B  
 PA.—Pittsburg  
 Hussey & Co., C. G. ....AAA

**ANTI-PYRENE**

New York City  
 Fries Brothers, 92 Reade..A

**ANTI-  
RATTLERS**

See Rattlers; also Hard-  
 ware; Carriage

**ANTISEPTICS**

COLO.—Denver  
 Am. Antiseptic Co. ....H  
 MASS.—Boston  
 Willard Chemical Co. ....B  
 New York City  
 Preservalline Mfg. Co.  
 (Food) .....AA  
 Am. Antiformin Co. (Brew-  
 ers) .....X  
 Farbenfabriken & Elber-  
 feld Co. (Brewers) ....B  
 WIS.—Milwaukee  
 Northwestern Chemical Co.  
 (Brewers) .....C  
 Milwaukee Com. Importing  
 Co. (Brewers) .....D

**ANTI-TOXIN**

MICH.—Detroit  
 Parke, Davis & Co. ....AAAA  
 New York City  
 Parke, Davis & Co. ....AAAA  
 PA.—Philadelphia  
 Mulford & Co., H. K. ....AAA

**ANVILS**

CONN.—Hartford  
 Billings & Spencer Co.  
 (Jewelers) .....AA  
 ILL.—Carpentersville  
 Illinois Iron & Bolt Co. ....AA  
 ILL.—Chicago  
 Chicago Wheel & Mfg. Co.,  
 39 W. Randolph (Farm-  
 ers') .....C  
 Vaughan & Bushnell Mfg.  
 Co. (Plow) .....A  
 ILL.—Ottawa  
 Porter Co. J. E. (& Vise  
 Combined) .....A  
 ILL.—Rockford  
 Sovereign, C. E. ....C  
 IND.—Evansville  
 Evansville Tool Works  
 (Plow) .....A  
 IOWA—Cedar Rapids  
 Adams, A. L. (& Vise &  
 Drill Combined) .....E  
 IOWA—Dubuque  
 Schrieber & Conchar Mfg.  
 Co. ....A  
 IOWA—Waterloo  
 Litchfield Mfg. Co. ....A  
 MASS.—Worcester  
 Richardson Mfg. Co. (& Vise

**ANVILS (Con.)**

Combined) .....A  
 MICH.—Detroit  
 Fulton Iron Works (& V'se  
 Combined) .....AA  
 MICH.—Saginaw  
 Wickes Bros. ....AAA  
 MO.—St. Louis  
 Cahill, Swift & Co. ....B  
 Kupferle, John C. (Farm-  
 ers') .....AA  
 N. J.—Newark  
 Atha Tool Co. (Plow)....A  
 N. J.—Tranton  
 Fisher & Norris .....B  
 N. Y.—Brooklyn  
 American Wrought Anvil  
 Co., 12 Richards .....H  
 Hay-Budden Mfg. Co., 250  
 No. Henry .....B  
 New York City  
 Lewis Tool Co., 44 Barclay D  
 Millers Falls Co., 28 Warren  
 (Farmers') .....AA  
 Wiebusch & Heiliger, 9  
 Murray (Blacksmiths')...A  
 N. Y.—Palmyra  
 Allen, Jos. (& Vise Com-  
 bined) .....D  
 N. Y.—Phoenix  
 Phoenix Hdw. Mfg. Co. ....H  
 OHIO—Cleveland  
 Columbia Hdw. Co.; Coe &  
 Hamilton (Blacksmiths')  
 AA  
 Russ Mfg. Co., A. E., 87  
 Wade Park Av. ....D  
 Van Wagoner & Williams  
 Hdw. Co. ....X  
 OHIO—Columbus  
 Columbus Forge & Iron Co..  
 D  
 Columbus Anvil & Forging  
 Co. ....D  
 OHIO—Springfield  
 Foss Mfg. Co. (& Vise Com-  
 bined) .....A  
 PA.—Erie  
 Hollands Mfg. Co. (Bench)  
 O  
 PA.—Philadelphia  
 Disston & Sons, Hy., (Saw)  
 AAAAA  
 Plumb, Fayette R., (Plow)  
 AA  
 PA.—Wrightsville  
 Wrightsville Hdw. Co.  
 (Paper Weight) .....B  
 R. I.—Pawtucket  
 Jenks, Henry F., .....D

**APIOL**

MO.—St. Louis  
 Mallinckrodt Chemical Wks.  
 AAAAA  
 PA.—Philadelphia  
 Powers-Weightman-Rosen-  
 garten Co. ....AAAAA

**APPARATUS**

CAL.—Los Angeles  
 Braun & Co., F. W., (Chem-  
 ical) .....AAA  
 CAL.—San Francisco  
 Caire Justenian Co. 521 Mar-  
 ket (Chemical) .....AA  
 COLO.—Denver  
 Denver Fire Clay Co.  
 (Chemical) .....AA  
 CONN.—Waterbury  
 Scovil Mfg. Co. (Photo)  
 AAAAA  
 ILL.—Chicago  
 Adams & Westlake Co.,  
 Ontario & N. Franklin  
 (Car Lighting) .....AAAA  
 Garden City Fan Co. (Hot  
 Blast) .....B  
 Goetz & Flodin Mfg. Co.  
 (Brewers') .....A  
 Kaestner & Co. (Brewing;  
 Racking) .....A  
 Magnus Sons Co., A. (Brew-  
 ing; Racking, &c.) ....B  
 Pyle National Electric Head-  
 light Co., Monadnock Blk.  
 (Acetylene Gas. Car) ..D  
 Sargent & Co., E. H., 143  
 Lake (Chemical) .....B  
 Smith & Co., James H.,  
 (Photographic) .....D  
 Stier Mfg. Co. (Brewers';

**APPARATUS (Con.)**

Cooling) .....D  
 Trenkhorst, Frank (Brew-  
 ers'; Cooling) .....F  
 Western Electric Co. (Elec.  
 Scenic Theatre) .....AAAA  
 Wilson & Co., F. C., 239  
 Lake (Car Lighting) .....B  
 Wolf Co., Fred. W., (Water  
 Distilling, Thawing) AAA  
**KANS.—Fort Scott**  
 Ft. Scott Fdg. & Mach. Co.  
 C. Eller, Prop., (Vacuum) H

**MASS.—Boston**

Crosby Steam Gauge & Valve  
 Co. (Gauge Testing) AA  
 Edison Mfg. Co. (Gymna-  
 sium) .....AA  
 Gleeson, Thos. W., (Physi-  
 cal) .....F  
 Knott Apparatus Co., L. E.,  
 18 Ashburton Pl. (Chemical)  
 .....C  
 Morse & Son, Andrew J.,  
 (Diving) .....B  
 Star Brass Mfg. Co. (Gauge  
 Testing) .....H

**MASS.—Lynn**

Thompson Electric Welding  
 Co. (Elec. Welding) ....B  
**MASS.—South Boston**  
 Hersey Mfg. Co. (Drying) AA

Brecht Butchers' Supply  
 Co., Gus. V., (Slaughter  
 House) .....AAA

**MICH.—Detroit**

Huettemant & Cramer Co.  
 (Brewers'; Cooling) ....A

**MO.—St. Louis**

Aufrihtig, Alois (Brewers';  
 Cooling) .....D  
 Barry-Wehmiller Machinery  
 Co. (Brewers'; Pasteur-  
 izing) .....B

**N. H.—Exeter**

Exeter Machine Wks. (Green  
 House Heating) .....B

**N. J.—Newark**

Isbell-Porter Co. (Gas  
 Works) .....D

**N. Y.—Albany**

Consolidated Car Heating  
 Co. (Car Lighting) ....B

**N. Y.—Brooklyn**

Graham Chemical Pottery  
 Wks., 1018 Met. Av.  
 (Stone Acid Proof Chemi-  
 cal) .....D  
 Guild & Garrison (Vacuum) B

**N. Y.—Buffalo**

Buffalo Dental Mfg. Co.  
 Blowpipe, Laboratory, Nit-  
 rous Oxide Gas) .....A

**N. Y.—Irvington-on-Hudson**  
 Lord & Burnham Co. (Green  
 House, Heating) .....A

**N. Y.—Newburg**

Newburg Ice Mach. & En-  
 gine Co. (Water Distill-  
 ing) .....A

**New York City**

Berge, J. & H., 95 John  
 (Chemical, Laboratory) B  
 Boynton Furnace Co. (Hot  
 Water & Green House,  
 Heating) .....A

Bramhall-Deane Co. (Steril-  
 izing) .....B

Davidson, M. F., (Water  
 Distilling) .....A

Elmer & Amend, 211 3rd Av.  
 Chemical, Laboratory) AA

Gennert, G., (Photo-Enlarg-  
 ing) .....B

Goodyear Rubber Co. (Diving)  
 .....AAAA

Goodyear India Rubber  
 Glove Mfg. Co. (Diving) AAAA

Greiner, Emil, 78 John  
 (Chemical) .....E

Griffing Iron Co., A. A., AA  
 Hitchings & Co. (Green  
 House Heating) .....B

Mica Mfg. Co. (John A.  
 O'Neill) (Special Meteorol-  
 ological) .....C

New York Calcium Light  
 Co., (Calcium Light) B

Ramsperger & Co., H. G.,

**APPARATUS (Con.)**

(Magnesium Flash Light)  
 B

Reichhelm & Co., E. P.,  
 (Blowpipe) .....A

Roche, Wm., 42 Vesey  
 (Flashlight) .....D

Safety Car Heating & Light-  
 ing Co., 160 B'way (Car  
 Lighting) .....AAA

Schneible Co., Jos. (Brew-  
 ers'; Cooling) .....B

Schrader's Son, A., (Diving)  
 B

Smith, Charles G., 350 Pearl  
 (Car Lighting) .....D

Spaulding & Bros., A. G.,  
 (Inc.) (Gymnasium) ...

AAAA

Torchiani, H. (Brewers';  
 Racking) .....D

Von Lengerke & Detmold  
 (Magnesium Flash Light)  
 A

**N. Y.—Rochester**  
 Yawman & Erbe Mfg. Co.  
 (Brewers') .....AA

**N. Y.—Troy**  
 Fuller & Warren Co. (Green  
 House Heating) ....AA

**OHIO—Cincinnati**  
 Deckebach Sons Co., F. O.  
 (Brewers'; Cooling) ....O

**OHIO—Cleveland**  
 Bartlett, C. O., & Snow  
 (Drying) .....A

**PA.—Philadelphia**  
 Feldt & Co., Geo. D., 528  
 Arch (Chemical) .....O

Kensington Engine Wks.  
 (Ltd) (Disinfecting) ...A

Pennsylvania Iron Wks. Co.  
 (Gas Works) .....AAA

Queen & Co., 1010 Chestnut  
 (Chemical) .....AA

Thomas Co., A. H., 12th &  
 Walnut (Chemical) ....B

Whitall, Tatum & Co.  
 (Laboratory) .....AAAA

**PA.—Reading**  
 Reading Elect. Mfg. Co.  
 (Electrical Dental) ....B

**R. I.—Providence**  
 Narragansett Machine Co.  
 (Gymnasium) .....A

Providence Gas Burner Co.  
 (Blowpipe) .....A

**WIS.—Milwaukee**  
 Ross & Bros. Co., Chas.  
 (Brewers'; Cooling; Rack-  
 ing) .....A

Smith-Medberg Mfg. Co.  
 (Brewers'; Racking) ...D

Vilter Mfg. Co. (Brewers';  
 Pasteurizing) .....AA

**APPLES**

See Canned Goods & Dried  
 Fruit; also Pine Apples;  
 also Produce, in Appendix

**APPLIANCES****ILL.—Chicago**

Hausmann & Dunn (Ortho-  
 paedical) .....C

Sharp & Smith (Deformity)  
 A

**IND.—Indianapolis**

Armstrong & Co., Wm. H.  
 (Deformity) .....B

**LA.—New Orleans**

McDermott Surgical Instru-  
 ment Co. (Ltd.) (Ortho-  
 paedical) .....D

**MD.—Baltimore**

Chloride of Silver Dry Cell  
 Battery Co. (Electro-  
 Medical & Surgical) ....B

**MICH.—Detroit**

Simpson, Wm. T. (Deform-  
 ity) .....F

**MO.—St. Louis**

Aloe & Co., A. S. (De-  
 formity) .....A

**New York City**

Frees, C. A., 853 Broadway  
 (Deformity) .....A

Hospital Supply Co. (Surgi-  
 cal Electric) .....A

Marks, A. A. (Deformity) ..

Seabury & Johnson (Electro;

**APPLIANCES (Con.)**

Medical; Surgical)....AA  
 Tiemann & Co., Geo. (De-  
 formity) .....A  
 N. Y.—Rochester  
 Fuller Co., Geo. R. (De-  
 formity) .....E  
 PA.—Philadelphia  
 Flemming & Co., Otto (Elec-  
 tro; Medical; Surgical).X  
 Kolbe & Son, D. W.  
 (Orthopaedical) .....X  
 White Dental Mfg. Co., S. S.  
 (Electro; Medical; Surgi-  
 cal) .....AAAA

**APRICOTS**

Canned Goods & Dried Fruit

**APRONS**

See also Clothing

CONN.—Fairfield  
 Fairfield Rubber Co. (Car-  
 riage Dash) .....C  
 CONN.—New Haven  
 Goodrich & Co., J. F. (Car-  
 riage) .....AA  
 ILL.—Chicago  
 Michael, John C. ....D  
 Overdier Mfg. Co. (Butch-  
 ers') .....E  
 Smith, David A. (Carriage) D  
 ILL.—Mattoon  
 Buck Mfg. Co., Geo. N.  
 (Carpenters') .....B  
 IND.—Anderson  
 Buckeye Mfg. Co. (Carriage)  
 AA  
 MAINE—Portland  
 Chenery Mfg. Co. ....B  
 MASS.—Beverly  
 Carter Co., F. F. (Butchers'  
 & Tanners') .....D  
 MASS.—Boston  
 Boston Belting Co., 256  
 Devonshire (Endless; Rubber;  
 Flange & Paper Mill)  
 AAAA  
 Stoughton Rubber Co. (Car-  
 riage & Ice) .....AA  
 MASS.—Clinton  
 Clinton Wire Cloth Co.  
 (Cotton & Wool) ....AAA  
 MASS.—Lawrence  
 Barlow Co., John W. (End-  
 less & Worsted Combing) E  
 MASS.—Lowell  
 Gates & Sons, Josiah  
 (Worsted Combing) ....X  
 Parr, Wm. (Worsted  
 Combing) .....D  
 MASS.—No. Brookfield  
 Hall Overall Co. (Butchers';  
 Carpenters'; Walters')..B  
 MASS.—South Attleboro  
 Coupe & Co., Wm. (Worsted  
 Combing & Excelsior) ..X  
 MASS.—West Newton  
 Martin Mfg. Co. ....D  
 MASS.—Worcester  
 Rowell & Co., W. P. ....D  
 Hildreth & Co., A. G.  
 (Butchers'; Carpenters';  
 Walters') .....B  
 N. J.—Jersey City  
 N. J. Car Spring & Rubber  
 Co. (Endless) .....AA  
 N. Y.—Albany  
 Munson, Samuel L. (Linen;  
 Butchers'; Carpenters';  
 Walters' & Womens')..AA  
 New York City  
 Goodyear Rubber Co. (Rub-  
 ber; Carriage & Ladies'  
 Rubber) .....AAAA  
 Goodyear's Ind. Rubber  
 Glove Mfg. Co. (Carriage;  
 Ice; Ladies' Rubber; Me-  
 chanics'; Rubber; Nur-  
 sery) .....AAAA  
 Gutta Percha & Rubber  
 Mfg. Co., 126 Duane (End-  
 less) .....AAAA  
 Hodgman Rubber Co., 806  
 Broadway (Carriage; Ice  
 & Rubber) .....AA  
 Rosenthal Bros. & Co.  
 (Linen) .....A  
 OHIO—Akron  
 Goodrich Co., B. F. (Ice;

**APRONS (Con.)**

Rubber & Tanners')AAAA  
 OHIO—Cincinnati  
 Monarch Carriage Goods Co.  
 (Carriage) .....B  
 PA.—Lancaster  
 Helvetia Leather Co.  
 (Leather) .....D  
 R. I.—Providence  
 American Multiple Fabric  
 Co. (Worsted Combing).A  
 Davol Rubber Co. (Rubber)  
 AA  
 WIS.—Milwaukee  
 Am. Sign Co., 51 Erie  
 (Advertising) .....A

**AQUA FORTIS**

OHIO—Cleveland  
 Grasselli Chemical Co.  
 AAAA

**AQUARIA**

ILL.—Chicago  
 Barbee Wire & Iron Works  
 B  
 MASS.—Boston  
 Jones & Co., Melville D..G  
 New York City  
 Fiske Iron Works, J. W...B  
 OHIO—Hamilton  
 Meyers Mfg. Co., Fred J..B  
 PA.—Beaver Falls  
 Co-operative Flint Glass Co.  
 (Glass & Fish Globes)..A  
 PA.—Philadelphia  
 Gillinder & Sons (Glass &  
 Fish Globes) .....A  
 Whitall, Tatum & Co.  
 (Glass & Fish Globes)...  
 AAAA  
 PA.—Pittsburg  
 McKee & Co., S. (Glass &  
 Fish Globes) .....D

**ARABIC**

See Gum

**ARBORS**

CONN.—Hartford  
 Cushman Chuck Co. (Reap-  
 er; Drill Chuck) .....AA  
 Pratt & Whitney Co. (Shell  
 Reamer; Reaper; Drill  
 Chuck) .....AAAA  
 Whitney Mfg. Co. ....B  
 CONN.—New Britain  
 Skinner Chuck Co. (Drill  
 Chuck) .....A  
 Union Mfg. Co. (Drill  
 Chuck) .....AA  
 CONN.—New Haven  
 Brown & Co., R. H. (Drill  
 Chuck) .....B  
 IND.—Indianapolis  
 Atkins & Co., E. C.  
 (Saw) .....AAAA  
 MASS.—Boston  
 Woods Mach. Co., S. A., 445  
 Dorchester (Circular Saw)  
 AA  
 MASS.—Fitchburg  
 Putnam Mach. Co. ....A  
 Simonds Mfg. Co. (Circular  
 Saw) .....AAA  
 MASS.—Greenfield  
 Goodell-Pratt Co. (Circular  
 Saw) .....B  
 Wiley & Russell Mfg. Co...  
 AA  
 MASS.—New Bedford  
 Morse Twist Drill & Ma-  
 chine Co. (Drill Chuck;  
 Shell Reamer) ...AAAA  
 MICH.—Grand Rapids  
 Hayden & Co., J. M.  
 (Emery Wheel) .....E  
 MICH.—Saginaw  
 Wickes Bros. (Circular Saw)  
 AAA  
 N. J.—Elizabeth  
 Braunsdorf-Mueller Co.  
 (Lathe) .....D  
 N. J.—Gloucester  
 Rogers Boat, Gauge & Drill  
 Works (Shell Reamers).A  
 N. J.—Newark  
 National Saw Co. (Circu-  
 lar Saw) .....B  
 N. Y.—Lookport

**ARBORS (Con.)**

Trevor Mfg. Co. (Drill Chuck; Lumber) .....B  
 New York City  
 Etna Mfg. Co., 253 B'way (Shell Reamers') .....X  
**OHIO—Akron**  
 Whitman & Barnes Mfg. Co. (Drill Chuck) .....AAAA  
**OHIO—Canton**  
 Buckeye Mfg. Co. ....D  
**OHIO—Cincinnati**  
 Cincinnati Screw & Tap Co. (Shell Reamers') .....A  
 Fay, J. A. & Egan Co. (Saw) .....AAAA  
**OHIO—Cleveland**  
 Cleveland Twist Drill Co. (Shell Reamers') .....A  
 Standard Tool Co. (Drill Chuck & Shell Reamers') .....AA  
**PA.—Allentown**  
 Grammes & Son, L. F. ....A  
**PA.—Montrose**  
 Beach, H. L. (Saw) ....D  
**PA.—Philadelphia**  
 Disston & Sons, H. (Circular Saw) .....AAAA  
 Grammes & Son, L. F. (Saw) .....A  
**R. I.—Providence**  
 Brown & Sharpe Mfg. Co. ....AAAA

**ARCHERY**

See Sporting Goods

**ARCHES**

**WIS.—Milwaukee**  
 Filer & Stowell Co. (Saw) ....AAA  
**DEL.—Wilmington**  
 McCullough Iron Co. (Curved Corrugated) .....AA  
**ILL.—Chicago**  
 Barbee Wire & Iron Wks. (Cemetery & Garden) ..B  
**MO.—Kansas City**  
 Kansas City Wire & Iron Wks. (Garden) .....A  
**New York City**  
 Howard & Morse (Garden) D  
 Moseley Iron Bridge & Roof Co., 39 Cortland (Curved Corrugated) .....B  
**OHIO—Cleveland**  
 Garry Iron & Steel Co. (Curved Corrugated) ...A  
**OHIO—Dayton**  
 Raymond & Co., Chas. W. (Brick Kiln) .....A  
**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred. J. (Garden) .....B  
**OHIO—Youngstown**  
 Youngstown Iron & Steel Roofing Co. (Curved Corrugated) .....AA

**ARCTICS**

See also Boots &amp; Shoes

**CONN.—Naugatuck**  
 Goodyear's M. R. Shoe Co. ....AAAA  
**MASS.—Boston**  
 Hood Rubber Co. ....AAAA  
 New York City  
 Goodyear Rubber Co. ....AAAA  
**R. I.—Bristol**  
 National Ind. Rubber Co. ....AAAA  
**R. I.—Woonsocket**  
 Woonsocket Rubber Co. ....AAAA

**ARGOLS**

**CONN.—Hartford**  
 Beach & Co. (Ground) .AAA  
**N. Y.—Brooklyn**  
 Warda & Co., John C. (Ground) .....AA

**ARMATURES**

**COLO.—Denver**  
 Flint-Lomax Elect. & Mfg. Co., 1937 Curtis (Electric) C

**ARMATURES (Con.)**

**ILL.—Chicago**  
 Chicago Edison Co., 139 Adams (Electric) ..AAAA  
 Gregory Electric Co., 58 S. Clinton (Electric) ....A  
**IND.—South Bend**  
 Knoblock - Heldeman Mfg. Co. (Electric; Rewinding) B  
**MD.—Baltimore**  
 Southern Elect. Co., 203 E. Fayette (Electric) ....B  
**MASS.—Boston**  
 Chase-Shawmut Co., 390 Atlantic Av. (Electric) ...B  
 Ridlon Co., Frank, 200 Summer (Electric) ....A  
**MICH.—Detroit**  
 Commercial Supply Co., 104 Wayne (Electric) ....G  
**N. J.—Newark**  
 Heck, Louis, 35 N. J. R. R. Av. (Electric) .....C  
**N. J.—Paterson**  
 Sipp Elect. & Machine Co. (Electric) .....C  
**N. Y.—Brooklyn**  
 Columbia Mach. Wks. & Malleable Iron Co., 187 Chestnut (Electric) ....C

**New York City**  
 Bogue, Chas. J., 218 Centre (Electric) .....C  
 Jordan Bros., 74 Beekman (Electric) .....F  
 Martin Electric Co., 32 Vesey (Electric) .....B  
 Rossiter, MacGovern & Co., 141 B'way (Electric) ...A  
**N. Y.—Utica**  
 Utica Elect. Mfg. & Supply Co. (Electric) .....X  
**OHIO—Cleveland**  
 Cleveland Armature Wks., Coe & Hamilton (Electric) E  
 Elliott, S. K., Blackstone Bldg. (Electric) .....D  
 Elliott Bros. Elect. Co., 970 Hamilton (Electric) ....F  
 Van Dorn-Elliott Elect. Co., 1796 Madison (Electric) ..AA

**PA.—Philadelphia**  
 Electric Railway Equipment Co., 31st & Chestnut (Electric) .....D  
 Electro-Dynamic Co. of Phila., 224 Ionic (Electric) .....AA  
**PA.—Pittsburg**  
 Brown & Son, James, 207 Wood (Electric) .....B  
 Doubleday-Hill Elect. Co., 535 Wood (Electric) ...A  
**PA.—Scranton**  
 Elect. Supply & Mfg. Co. (Electric) .....G  
**S. C.—Charleston**  
 Electrical Supply Co. (Electric) .....A

**ARMBANDS**

See Suspenders

**ARMLETS**

**ILL.—Chicago**  
 Stein & Co., A., 316 Franklin .....A  
**MASS.—Chicopee Falls**  
 Taylor, Bramley & Co. ....B  
**PA.—Philadelphia**  
 Kendrick, Jas. R., 183 Harvey .....E

**ARMOR**

**MASS.—Boston**  
 Morse & Son, A. J., 140 Congress (Submarine) ....B  
**New York City**  
 Ogden & Wallace (Plate) .A  
 Schrader Son, A., 80 Rose (Submarine) .....B

**ARMS**

Artificial, see Limbs

## ARMS

Cross, see Brackets

## ARMS

Fire, see Fire Arms

## ARMS

Miscellaneous

**MASS.**—Reading  
Pierce Organ Pipe Co., Samuel (Organ) .....C  
**MICH.**—Grand Rapids  
Grand Rapids Brass Co. (Umbrella) .....A  
**OHIO**—Columbus  
Ohio Tool Co. (Panel Plow) .....AA  
**PA.**—Philadelphia  
Underwood & Co., H. B. (Portable Facing) .....B  
**PA.**—Pittsburg  
McDowell Mfg. Co. (Steel Telephone) .....D

## ARMURES

See Jewelry

## ARRESTERS

**ILL.**—Chicago  
Amer. Elect. Fuse Co., 50 W. Jackson Boul. (Lightning) .....C  
Barbee Wire & Iron Wks., 44 Dearborn (Spark) ...B  
Chicago Die & Elect. Co., 87 W. Lake (Lightning) ...F  
Chicago Fuse Wire Mfg. Co., 358 Dearborn (Lightning) .....D  
Electric Appliance Co., 92 W. Van Buren (Lightning) .....B  
Eureka Electric Co., 143 So. Clinton (Lightning) ...B  
Farr Telephone & Construction Sup. Co., 118 W. Jackson Boul. (Lightning) .....D  
Harrington & King Perforating Co., 224 N. Union (Spark) .....A  
Harvard Electric Co., 66 W. Van Buren (Lightning) .B  
Western Electric Co., 259 So. Clinton (Lightning) ..AAAA  
Western Telephone Construction Co., Fisher Bldg. (Lightning) .....B  
**IND.**—Ft. Wayne  
Ft. Wayne Electric Wks. (Lightning) .....AAA  
**IND.**—Kokomo  
Kokomo Telephone & Electric Mfg. Co. (Lightning) F  
**IND.**—Lafayette  
Sterling Electric Co. (Lightning) .....AA  
**IND.**—South Bend  
South Bend Spark Arrester Co. (Spark & Lightning) E  
**IOWA**—Keokuk  
Garton & Daniels Co. (Lightning) .....D  
**MD.**—Baltimore  
Viaduct Mfg. Co., 10 So. Howard (Lightning) ...B  
**MASS.**—Boston  
Anderson Mfg. Co., 237 A. S. B. (Lightning) .....B  
**MASS.**—Pittsfield  
Stanley Electric Mfg. Co. (Lightning) .....AA  
**MASS.**—Worcester  
Wright Wire Co. (Spark) ..AA  
**MICH.**—Detroit  
Byram & Co. (Spark) .....C  
Michigan Wire & Iron Wks. (Spark) .....AA  
**MINN.**—Minneapolis  
Howell & Co., R. B. (Spark) .....B  
**MO.**—St. Louis  
Central Union Brass Co., 832 N. 2nd (Lightning) ....E

## ARRESTERS (Con.)

Commercial Elect. Supply Co., 1007 Market (Lightning) .....C  
Western Electric Supply Co., 7th & Clark Av. (Lightning) .....B  
**N. J.**—Newark  
McIntire Co., C., 13 Franklin (Lightning) .....D  
New York City  
Bunnell & Co., J. H., 20 Park Pl. (Lightning) ...B  
Foote, Pierson & Co., 84 Fulton (Lightning) .....D  
Howard & Morse (Spark) .D  
McLeod, Ward & Co., 27 Thames (Spark) .....E  
Mundt & Sons, Chas., 441 Pearl (Spark) .....B  
**N. Y.**—Schenectady  
General Electric Co. (Lightning) .....AAAA  
**OHIO**—Cleveland  
North. Electric Co., 155 St. Clair (Lightning) .....A  
Williams-Abbott Electric Co. (Lightning) .....B  
**OHIO**—Elyria  
Rawson Electric Co. (Lightning) .....F  
**OHIO**—Hamilton  
Meyers Mfg. Co., Fred. J. (Spark) .....A  
**OHIO**—Mansfield  
Ohio Brass Co. (Lightning) AA  
**PA.**—Carbondale  
Hendrick Mfg. Co. (Ltd.) (Spark) .....AA  
**PA.**—Philadelphia  
Paxton & Co., J. W., 1021 N. Delw. Av. (Cupola Spark) .....AA  
Pringle, Wm. F. (Lightning) .....D  
**PA.**—Pittsburg  
Keystone Elec. Telephone Co., 565 Diamond (Lightning) .....AAAA  
Westinghouse Elect. Mfg. Co. (Lightning) ...AAAA

## ARSENIC

**MO.**—St. Louis  
Herf & Frerichs Chemical Co. (Purified) .....A  
Mallinckrodt Chemical Wks. (Purified) .....AAAA  
**N. Y.**—Brooklyn  
Wiarda & Co., Jno. C. ....AA  
**N. Y.**—Buffalo  
Schoellkopf, Hartford & Hanna Co. ....AAAA  
New York City  
Binney & Smith Co. ....AA  
Bischoff & Co., C. ....B  
Fuerst Bros. & Co. ....D  
Hill's Sons Co., Edw. ....AA  
Klipstein & Co., A. ....AA  
McKesson & Robbins. ....AAAA  
Metz & Co., H. A. ....A  
Roessler & Hasslacher Chem. Co. ....AA  
**OHIO**—Cincinnati  
Winkler & Bro., Isaac. ....AA  
**OHIO**—Cleveland  
Harshaw, Fuller & Goodwin Co. ....AA

## ARTOTYPES

**MASS.**—Springfield  
Taber-Prang Art Co. ...AA

## ASBESTOS

**DEL.**—Wilmington  
Wood & Co., James F. ....F  
**ILL.**—Chicago  
Chicago Fire Proof Covering Co., 18 N. Canal (Material; Cement; Felt & Roofing) .....B  
Sall Mountain Asbestos Co., 123 Ontario (Material) ..B  
**IND.**—Terre Haute  
American Asbestos Co. ...D  
**MD.**—Baltimore  
Noble & Co., 18 S. Gay (Material) .....H



**ASBESTOS (Con.)**

**MASS.—Boston**  
 Nightingale, S. O. & Childs Co. (Material) .....D  
 Trainer Mfg. Co., C. W., 89 Pearl (Material; Paper & Mill Board) .....F  
**MASS.—Springfield**  
 Springfield Asbestos Co., 275 Main (Material) ..D  
**MINN.—Minneapolis**  
 Nott Co., W. S., 200 S. 1st Av. (Material) .....A  
**MO.—Kansas City**  
 Midland Asbestos Co. (Fibre; Material; Paper & Mill Board) .....D  
**N. J.—Camden**  
 New Jersey Asbestos Co. (Feltling & Material)....AA  
**New York City**  
 Asbestos Feltling Wks., 79 Malden Lane (Material & Packing) .....D  
 Gilmour Mfg. Co., R. M., 105 John (Feltling; Material; Paper; Mill Board & Furnace Cement) ..D  
 International Asbestoc Co., 309 B'way (Crude & Fibre) ..E  
**Johns-Manville Co., H. W., 100 William Cement; Paper; Furnace Cement; Mats; Baking Sheets; Iron Reasts; Materials; Mittens & Gloves; Rubber Tapes; Tubes; Glass Workers' Board; Cloth; Rubber Cloth; Cord; Covering; Dental Blocks; Felt; Gaskets; Hangings; Jewelers'; Packing; Metallic Packing; Roofing; Rope; Rugs; Sheathing; Stove Lining; Twine; Wicks & Yarn) .....AAAA**  
**Martin, R. H., 220 B'way (Crude & Fibre) .....B**  
**New Jersey Asbestos Co., 52 Dey .....AA**  
**N. Y. Fire Proof Covering Co. (Cement & Covering) ..E**  
**Pettit Chemical Co. ....B**  
**Robertson & Sons, Jas. L. (Packing) .....D**  
**N. Y.—Troy**  
 Adams Laundry Machine Co. (Stove Linings) .....B  
**OHIO—Alliance**  
 Alliance Asbestos Mfg. Co. (Feltling; Fibres; Paper & Mill Board) .....B  
**OHIO—Cincinnati**  
 Cincinnati Roofing Co. (Covering) .....H  
**OHIO—Cleveland**  
 Standard Pipe Covering Co., 20 Michigan (Material) ..H  
**OHIO—Lockland**  
 Carey Mfg. Co., Philip (Feltling; Fibres; Material; Paper; Mill Board; Furnace Cement; Covering; Rope & Twine) ...A  
**PA.—Ambler**  
 Keasbey & Mattison Co. (Material; Paper; Mill Board; Covering; Felt & Sheathing) .....AAAA  
**PA.—Easton**  
 Baker & Adamson Chemical Co. (Glass Workers')...A  
**PA.—Erie**  
 Watson Co., H. F. (Paper; Board; Covering; Felt; Mill Boards; Cement; Packing; Roof Coatings; Rope; Sheathing & Wicks) AAA  
**PA.—Franklin**  
 Franklin Mfg. Co. (Feltling; Material; Paper; Mill Boards; Furnace Cement & Stove Linings) ..C  
**PA.—Philadelphia**  
 Asbestos Mfg. Co., 426 Market (Feltling; Fibres; Material; Paper; Mill Boards; Cloth & Yarn) ..B  
**PA.—Pittsburg**

**ASBESTOS (Con.)**

McConnell & Co., John A., 239 Water (Feltling & Cement) .....D  
**PA.—York**  
 York Chemical Co. (Cement) A  
**VA.—Richmond**  
 Southern Asbestos Mfg. Co. (Material) .....C

**ASH**

**COLO.—Denver**  
 Denver Fire Clay Co. (Bone) AA  
**MICH.—Detroit**  
 Michigan Carbon Wks. (Bone) .....AAA  
**MICH.—Wyandotte**  
 Michigan Alkali Co. (Soda) AAAA  
**N. Y.—Brooklyn**  
 Wiarda & Co., John C. (Pearl; Bone; Soda) ...AA  
**New York City**  
 Fuerst Bros. & Co. (Soda)D  
 Jones Chemical Wks., Enos F. (Pearl) .....B  
 Hills' Sons Co., Edw. (Soda) .....AA  
 Klipstein & Co., A. (Soda) AA  
 Wing & Evans (Pearl & Soda) .....AAA  
 Lee & Co., Jas. (Soda) ...A  
**N. Y.—Syracuse**  
 Solvay Process Co. (Soda) ..AAAA  
**OHIO—Deshler**  
 Cottingham, S. (Pearl) ...E  
**OHIO—Cincinnati**  
 Am. Chemical Co. (Soda) ..C  
 Winkler & Bro., A. (Soda) AA  
**OHIO—Cleveland**  
 Clark Co., Fred. G. (Soda) A  
**PA.—Philadelphia**  
 Pennsylvania Salt Mfg. Co. (Soda) .....AAAA  
**R. I.—Providence**  
 Arnold, Hoffman & Co. (Soda) .....AA

**ASHES**

**New York City**  
 American Cotton Oil Co., 11 Broadway (Cotton Seed; Hull) .....AAAA

**ASPARAGUS**

See Canned Goods

**ASPHALT**

**CAL.—Los Angeles**  
 Densmore Stabler Refining Co. (Miners'; Refiners'; Liquid; Solid; Pipe Dip & Pitch) .....B  
**CAL.—San Francisco**  
 Union Oil Co., Mills Bldg. (Miners'; Refiners'; Liquid; Solid; Pipe Dip & Pitch) .....A  
**ILL.—Chicago**  
 Barrett Mfg. Co. (Miners'; Refiners' & Roofing)....AAAA  
 Powell Co., M. W., 204 Dearborn (Dealers) ....C  
**ILL.—Rock Island**  
 Lewis Mfg. Co., F. J. ....C  
**MASS.—Boston**  
 Warren Bros. Co., 93 Federal .....A  
**MO.—St. Louis**  
 Asphalt Roofing Co., 808 Theresa Av. (Liquid; Solid; Mastic; Pitch; Mastic Floors & Insulating)E  
 Gilson Asphaltum Co., Wainwright Bldg. (Miners'; Refiners' & Importers')B  
**N. J.—Jersey City**  
 Stowell Mfg. Co., 114 Culver Av. (Insulating) .....B  
**N. J.—Newark**  
 Lister's Agricultural Chemical Wks. (Substitute) ...AAAA

**ASPHALT (Con.)**

**New York City**  
 Asphalt Construction Co.,  
 Madison, cor. 137th  
 (Dealers) .....C  
 Asphalt Ready Roofing Co.,  
 136 Water (Dealers)....C  
 Eastern Granite Roofing Co.,  
 Irving Bldg. (Dealers).B  
 Gabriel & Schall, 205 Pearl  
 (Mastic) .....C  
 Hastings Pavement Co.  
 (Paving Blocks) .....AA  
 Lamson & Bro., John S., 77  
 Maiden Lane (Dealers).A  
 Neuchatel Asphalt Co., 263  
 B'way (Dealers) .....B  
 Saacke, Chas. W., 76 Wil-  
 liam (Dealers) .....C  
 Sicilian Asphalt Paving,  
 Times Bldg. (Miners' &  
 Refiners') .....C  
 Warren Chem. & Mfg. Co.  
 (Paving Blocks & Roof-  
 ing) .....A  
**N. Y.—Syracuse**  
 Warner-Quinlan Asphalt Co.  
 (Miners' & Refiners')...  
 AAAA

**OHIO—Lockland**  
 Carey Mfg. Co., Philip  
 (Pavements & Roofing  
 Pitch) .....AAA

**OHIO—Toledo**  
 Schillinger Bros., 412 City  
 Park Av. (Dealers)....D

**PA.—Erie**  
 Watson Co., H. F. (Roofing)  
 AAA

**PA.—Philadelphia**  
 Barber Asphalt Paving Co.,  
 Land Title Bldg. (Miners'  
 Pitch & Pavements)AAAA

**PA.—Pittsburg**  
 Globe Asphalt Co., Bakewell  
 Bldg. (Miners'; Refiners';  
 Liquid & Solid) .....C

**TEXAS—Cline**  
 Walde Asphalt Co. (Miners'  
 & Refiners) .....A

**VA.—Richmond**  
 Armitage Mfg. Co. ....B

**ASPHALTUM**

**ILL.—Chicago**  
 Elliott Varnish Co. ....F  
**IND.—Asphaltum**  
 Indian Asphalt Co. (Gum) C

**N. J.—Jersey City**  
 Woolsey Paint & Color Co.,  
 C. A. ....A

**New York City**  
 Lamson & Bro., Jno. S....A  
 Melchior, Armstrong &  
 Dessau .....A  
 Warren Chemical & Mfg. Co. A

**OHIO—Akron**  
 Akron Varnish Co. ....X

**PA.—Philadelphia**  
 Felton, Sibley & Co....AAA

**PA.—Pittsburg**  
 Gulf Refining Co. ....AAA  
 Lawrence & Co., W. W....AA

**ASPIRATORS**

**IND.—Indianapolis**  
 Nordyke & Marmon Co.AAA

**New York City**  
 Mason & Co., Marcus, Prod.  
 Ex. ....A

**PA.—Philadelphia**  
 Boekel & Co., Wm., 578  
 Vine (Laboratory) .....A

**ASSAFOETIDA**

**New York City**  
 Hopkins & Co., J. L.....A

**ASTRACHAN**

**N. Y.—Buffalo**  
 American Buffalo Robe Co. B

**N. Y.—Fonda**  
 Fonda Glove Lining Co....C

**N. Y.—Milton**  
 Bells' Sons Co., Hy. H....B

**PA.—Philadelphia**  
 Hanlifen & Co., J. E.....A

**ATOMIZERS**

See also Rubber Goods

**CONN.—New Haven**  
 Seamless Rubber Co....AA

**MASS.—Andover**  
 Tyler Rubber Co.....AA

**MASS.—Boston**  
 Codman & Shurtleff .....C

Davidson Rubber Co....A

Leach & Greene (Ointment) F

**MASS.—East Cambridge**  
 McElroy, P. J.....E

**N. J.—Belleville**  
 Hardman Rubber Co.....A

**N. Y.—East Syracuse**  
 Benedict Mfg. Co., M. S.  
 (Silver) .....AA

**New York City**  
 Am. Hard Rubber Co.AAAA

Ellis & Goettermann, 86  
 Leonard .....O

Goodyear Rubber Co.AAAA

Goodyear's Ind. Rub. Glove  
 Mfg. Co., 503 B'way....  
 AAAA

Gorham Mfg. Co. (Fancy  
 Silver) .....AAAA

Hodgman Rubber Co. ....AA

Kneuper, Geo. ....A

Mattson Rubber Co., 26 W.  
 B'way .....A

Meineke & Co., 50 Pk. Pl..B

Parker, Stearns & Sutton,  
 228 South .....B

Weinhagen, Henry (Medi-  
 cal) .....B

Wetmore Co., S. H. (Medi-  
 cal) .....D

**OHIO—Akron**  
 Goodrich Co., B. F.  
 (Medical) .....AAA

Faultless Rubber Co....AAA

**OHIO—Cleveland**  
 Cleveland Rubber Co.AAAA

**OHIO—Toledo**  
 De Vilbiss Mfg. Co. (Sur-  
 gical) .....C

**PA.—Philadelphia**  
 Boekel & Co., Wm. (Lab-  
 oratory) .....A

Shaw & Co., J. Elliott, 632  
 Arch .....X

Whitall, Tatum & Co....  
 AAAA

**R. I.—Providence**  
 Davol Rubber Co. ....AA

# ATTACHMENTS (Con.)

**ILL.—Aurora** American Well Wks. (Power Wind Mill)....AA  
**ILL.—Bradley** Bradley Mfg. Co., David (Cultivator) .....AAA  
**ILL.—Chicago** Barbee Wire & Iron Wks. (Wire Guard) .....B  
 Fairbanks, Morse & Co. (Power Wind Mill).....AAAA  
**ILL.—Elgin** Moseley Lathe Co. (Jewelers' & Watchmakers' Lathe) .....D  
**ILL.—Freeport** Stover Mfg. Co. (Power Wind Mill) .....AA  
**ILL.—Mendota** Tower & Bro., J. D. (Cultivator) .....A  
**ILL.—Ottawa** King & Hamilton Co. (Cultivator) .....AA  
**ILL.—Sandwich** Sandwich Mfg. Co. (Cultivator) .....AA  
**IND.—Kendallville** Flint & Walling Mfg. Co. (Power Wind Mill)....AA  
**IND.—Muncie** Adamson Typewriter Press Co. (Two-Colored Printing) .....H  
**IND.—Richmond** Gaar, Scott & Co. (Threshing Mach.).....AAAA  
**IOWA—Dubuque** Adams Co. (Milling) .....A  
**KY.—Louisville** Avery & Sons, B. F. (Culti- & Sulky Plow) .....AAA  
**MAINE—No. Berwick** Hussey, Timothy B. (Celery Earther) .....E  
**MAINE—Waterville** Webber & Philbrick (Wood Barker) .....B  
**MASS.—Athol** Starrett Co., L. S. (Wrench) .....A  
**MASS.—Boston** Ames Plow Co., Quincy Hall (Mule & Fertilizer).....AAAA  
 Faneuil Watch Tool Co., "Brighton" (Lathe)....B  
 Harwood & Son, Geo. S., 53 State (Feeder Clutch)...A  
 Reece Button Hole Machine Co. (Boot & Shoe Sewing Machine) .....AAA  
 Woods Machine Co., S. A. (Planer; Knife Grinding) AA  
**MASS.—Fitchburg** Fitchburg Machine Wks. (Shaft Turning & Shaper) B  
 Putnam Machine Co. (Lathe; Pit & Shaft Turning)...A  
**MASS.—Hyde Park** Becker-Brainerd Milling Machine Co. (Milling)....AA  
**MASS.—Lowell** Bagshaw, W. H. (Est. of) (Mule) .....B  
 Lahne & Co., M. M. (Loom) E  
 Stott, S. E. & T. (Mule, Spinning) .....X  
**MASS.—Readville** Stafford Co., Geo. W. (Loom) .....A  
**MASS.—Waltham** Am. Watch Tool Co. (Bench Lathe) .....D  
**MASS.—Worcester** Crompton & Knowles Loom Wks. (Loom) .....AAAA  
 Norton Emery Wheel Co. (Grinding) .....AA  
 Steele & Bro., A. H. (Loom) .....D  
**MICH.—Dowagiac** Dowagiac Mfg. Co. (Grain Drill) .....A  
**MICH.—Kalamazoo** Phelps & Bigelow Wind Mill Co. (Power Wind Mill) .....B  
**MICH.—Lansing** Lansing Wheelbarrow Co. Standard Scale & Supply Co.

# ATTACHMENTS (Con.)

(Sled & Sleigh Runner)...AAA  
**MINN.—Minneapolis** Minneapolis Threshing Machine Co. (Threshing Machine) .....AAAA  
**N. J.—Hightstown** Peppler, Thomas (Furrowing) .....D  
**N. J.—Newark** Gould & Eberhardt (Key Seating; Rock Cutting; Shaft Turning & Shaper) A  
 Peters Harness & Saddlery Co. (Hame Strap) .....C  
**N. J.—Paterson** Eastwood Co., Benjamin (Loom) .....C  
**N. Y.—Batavia** Johnston Harvester Co. (Cultivator) .....AAAA  
**N. Y.—Buffalo** Holmes Machinery Co., E. & B. (Planer; Knife Grinding) .....B  
 Pratt & Letchworth Co. (Trace) .....AAA  
 Rogers & Co., S. C. (Planer; Knife Grinding) .....C  
**N. Y.—Cohoes** Sweet & Doyle (Knitting Machine) .....C  
**New York City** Garvin Machine Co., Varick & Spring (Milling) ...AA  
 Hayden Mfg. Co. (Bidet) D  
 Kruse & Murphy Mfg. Co. (Sewing Machine) ....D  
 Niles, Bement, Pond Co., 136 Liberty (Milling)....AAAA  
 Prentiss Disc Co., 44 Barclay (Wrench) .....C  
 Singer Mfg. Co. (Sewing Machine) .....AAAA  
**N. Y.—Mount Morris** Genesee Valley Mfg. Co. (Fertilizer) .....B  
**N. Y.—Phelps** Crown Mfg. Co. (Fertilizer) A  
**N. Y.—Seneca Falls** Seneca Falls Mfg. Co. (Drilling & Tapping) .....B  
**N. Y.—Yonkers** Saunder's Sons, D. (Bolt Threading & Nut Tapping) .....A  
**OHIO—Akron** Whitman & Barnes Mfg. Co. (Reaper & Mower).....AAAA  
**OHIO—Cincinnati** Cincinnati Milling Machine Co. (Milling) .....AA  
 Fay, J. A. & Egan Co. (Planer; Knife Grinding) AAAA  
 Lodge & Shipley Mach. Tool Co. (Shaft Turning) .AA  
**OHIO—Dayton** Dayton Malleable Iron Co. (Malleable Drawbar)....AAA  
**OHIO—Hamilton** Niles Tool Wks. Co. (Shaft Turning) .....AAAA  
**OHIO—Massillon** Russell & Co. (Threshing Machine) .....AAA  
**PA.—Elizabethtown** Buch's Sons Co., A. (Horse Hoe Marking) .....A  
**PA.—Philadelphia** Allen & Co., S. L. (Celery Earther; Furrowing; Marking; Cultivator; Wheel Hoe & Seed Drill) AA  
 Branson Machine Co., 504 N. American (Knitting Machine) .....A  
 Diamond Textile Machine Wks., 2nd & Diamond (Mule) .....E  
 McCambridge & Co. (Ltd.) (Bidet) .....B  
 Power & Co., L. (Planer; Knife Grinding) .....A  
 Seifert, C. H., 306 Master (Mule) .....H  
**PA.—Pittsburg**

# ATTACHMENTS (Con.) (Ltd.) (Scale Recording)

R. I.—Providence  
Beaman & Smith (Loom).A  
Brown Bros. Co. (Loom).B  
Brown & Sharpe Mfg. Co.  
(Milling) .....AAAA  
VT.—Bennington  
Cooper, Chas. (Knitting  
Machine) .....B  
VA.—Richmond  
Cardwell Machine Co.  
(Fertilizer) .....A

# ATTEMPER- ATORS

ILL.—Chicago  
Wolf Co., Fred. W.  
(Brewers') .....AAA  
New York City  
Jochum, Andrew (Brewers')  
E

# AUGERS & BITS

CONN.—Bridgeport  
Adams, A. L., (Expansion  
Auger Bits) .....E  
Bridgeport Gun Implement  
Co., 219 Elm (Auger Bits)  
A  
CONN.—Centerbrook  
Connecticut Valley Mfg. Co.  
(Auger, Dowel, Car, Boring  
Machine, Screw Driver)  
C  
CONN.—Chester  
Chester Mfg. Co. (Boring  
Machine, Etc) .....G  
Deuse, J. S., (German,  
Double Club, Electricians'  
& Bell Hangers' Augers &  
Gimlets) .....E  
Ferguson & Co., J. R.,  
(Auger Bits) .....F  
CONN.—Deep River  
Russell Jennings Mfg. Co.  
(Boring Machine, Mill-  
wright) .....AA  
CONN.—Forestville  
American Auger Bit Co.  
(Auger Bits) .....H  
CONN.—Hamden  
Hamden Mfg. Co. (Car &  
Expansion Bits, Hollow.  
Rafting & Ring Augers) D  
CONN.—New Britain  
Russell & Erwin Mfg. Co.  
(Auger Bits) .....AAAA  
CONN.—New Haven  
Brown & Co., R. H., 109  
Ashman (Expansion Bits)  
B  
Kilborn & Bishop Co. (Auger  
Bits) .....C  
CONN.—Norwich  
Rogers & Co., C. E., (Boring  
Machine Augers) .....AAAA  
CONN.—Plantville  
Acme Mfg. Co. (Screw Driver  
Bits) .....F  
CONN.—Seymour  
Garrett & Beach (Auger  
Bits & Gimlets) .....E  
Humphreyville Mfg. Co.  
(Augers, Auger Bits &  
Gimlets) .....E  
New Haven Copper Co.  
(Auger & Boring Machine  
Bits) .....AA  
Swan Co., Jas., (Auger,  
Expansion & Screw Driver  
Bits, Gimlets & Hollow  
Augers) .....A  
CONN.—Southington  
Peck, Stow & Wilcox Co.  
(Auger Bits) .....AAAA  
GA.—Atlanta  
Wood & Sons Co., A. A.,  
(Fore & Hollow Augers) E  
ILL.—Aurora  
American Well Wks. (Earth  
Augers) .....AA  
ILL.—Chicago  
Austin Mfg. Co. Manhattan  
Bldg. (Earth & Well  
Augers) .....AAA  
Klein & Son, Matthias, 89  
W. Van Buren (Post Hole  
Augers) .....A  
Mark Mfg. Co., Evanston

# AUGERS & BITS (Con.) (Well & Ground Augers)

Pratt Mfg. Co., Wm. E., 91  
Lake (Post Hole Augers)  
B  
Redlich Mfg. Co., 6 Oak  
(Bung Augers) .....B  
Solid Steel Tool & Forge  
Co., Monod. Bk. (Rail  
Drill Augers) .....F  
Vaughan & Bushnell Mfg.  
Co., 875 Carroll Av. (Post  
Hole Augers; Screw Driver  
Bits) .....B  
ILL.—Downers Grove  
Dicke Tool Co. (Post Hole  
Augers) .....D  
ILL.—Ottawa  
Porter Co., J. E., (Post Hole  
Augers) .....A  
ILL.—Rockford  
Forest City Bit & Tool Co.  
(Brace & Boring) .....C  
ILL.—Streator  
Iwan Bros. (Post Hole &  
Well Augers) .....D  
IND.—Anderson  
Buckeye Mfg. Co. (Boring  
Machine & Post Hole Au-  
gers) .....A  
IND.—Indianapolis  
Tucker & Dorsey Mfg. Co.  
State Av. & Bates (Post  
Hole Augers) .....B  
IND.—Kokomo  
Rockford Bit Co. (Auger  
Bits) .....B  
IND.—Montpelier  
Jackson Shovel & Tool Co.  
(Post Hole Augers) ....F  
IND.—Richmond  
Eureka Fence Mfg. Co.  
(Earth Augers) .....E  
IOWA—Des Moines  
Monarch Mfg. Co. (Post  
Hole Augers) .....E  
IOWA—Ft. Madison  
Morrison Mfg. Co. (Earth  
Augers) .....A  
MAINE—Portland  
Laughlin Co., Thos., (Ship  
Augers) .....B  
MASS.—Brookton  
Tuck Mfg. Co. (Screw  
Driver Bits) .....E  
MASS.—Fiskdale  
Snell Mfg. Co. (Auger &  
Screw Driver Bits, Boring,  
Ring, Pump, Rafting, Ma-  
chine, Ship & Post Augers  
& Gimlets) .....B  
MASS.—Fitchburg  
Sawyer Tool Mfg. Co.  
(Screw Driver Bits) ...O  
MASS.—Holyoke  
Ford Auger Bit Co. (Ship,  
Boring, Machine, Carpen-  
ters' & Nut Augers) ...2  
MASS.—Millbury  
Buck Bros. (Screw Driver  
Bits) .....B  
Buck, Chas., (Screw Driver  
Bits) .....F  
MASS.—Millers Falls  
Millers Falls Co. (Screw  
Driver Bits & Hollow  
Augers) .....AA  
MASS.—Shelburne Falls  
Mayhew Co., H. H., (Auger,  
Gimlet & Screw Driver  
Bits, Gimlets) .....O  
MICH.—Detroit  
Anderson & Sons, W. H.,  
(Earth Augers) .....C  
MINN.—Minneapolis  
Howell & Co., R. R., 30th  
Av. & S. E. 5th (Earth  
Augers) .....F  
MO. St. Louis  
Cook Well Co. 15 S. 4th  
(Earth Augers) .....C  
N. J.—Newark  
Krauter & Co. 577 18th Av.  
(Earth Augers) .....E  
N. Y.—Brooklyn  
U. S. Bung Mfg. Co. 50 S.  
2nd (Bung Augers) ....H  
N. Y.—Ithaca  
Williams Bros. (Earth  
Augers) .....AA  
New York City  
Jennings Co., C. E., 42 Mur-  
ray (Auger, Expansive,

**AUGERS & BITS (Con.)**

Gimlet & Screw Driver  
 Bits; Boring Mach., Ship,  
 Hollow Expansive, Mill-  
 wrights' & Treenall Aug-  
 ers) ..... B  
 Millers Falls Co. 28 Warren  
 (Hollow Augers) .... AA  
 Peck, Stow & Wilcox Co.  
 27 Murray (Auger) ..... AAAA  
 Russell & Erwin Mfg. Co.  
 43 Chambers (Brace &  
 Boring Machine) ..... AAAA  
 Tower & Lyons Co. 95  
 Chambers (Auger & Ex-  
 pensive Bits) ..... B  
**N. Y.—Seneca Falls**  
 Rumsey & Co. (Earth  
 Augers) ..... H  
**N. Y.—Syracuse**  
 Stearns & Co., E. C., 100  
 Oneida (Hollow & Taper  
 Augers) ..... AA  
 Syracuse Twist Drill Co.  
 (Screw Driver Bits) ... B  
**OHIO—Akron**  
 Star Drilling Machine Co.  
 (Earth & Well Augers) A  
 Whitman & Barnes Mfg. Co.  
 66 S. Canal (Screw Driver  
 Bits) ..... AAAA  
**OHIO—Cincinnati**  
 Cincinnati Tool Co. Nor-  
 wood. (Electricians' &  
 Bell Hangers' Bits; Hol-  
 low & Spoke Augers) .. C  
 Fay, J. A. & Egan Co.  
 (Hollow Augers) ..... AAAA  
 Tatum Co., Samuel C., 414  
 W. Water (Auger Bits) B  
**OHIO—Cleveland**  
 Standard Tool Co. 1260 Cen-  
 tral Av. (Screw Driver  
 Bits) ..... AAAA  
**OHIO—Columbus**  
 Ohio Tool Co. 63 N. Scioto  
 (Auger & Screw Driver  
 Bits; Boring Mach. Augers  
 & Gimlets) ..... A  
**OHIO—Fremont**  
 Lehr. Agricultural Co. (Post  
 Hole Augers) ..... B  
**OHIO—Salem**  
 Silver Mfg. Co. (Hollow  
 Augers) ..... A  
**OHIO—Sandusky**  
 Sandusky Tool Co. (Machine  
 Bits) ..... A  
**OHIO—Wilmington**  
 Irwin Auger Bit Co. (Auger,  
 Car, Dowel, Hollow Chisel,  
 Mach. & Screw Driver  
 Bits; Boring Mach., Raft-  
 ing, Ring, Ship Mill-  
 wrights' ..... B  
**PA.—Allegheny**  
 Hardsoc Mfg. Co. (Auger  
 Bits) ..... E  
**PA.—Meadville**  
 Meadville Vise Co. (Expan-  
 sion Bits) ..... C  
**PA.—Oxford**  
 Slack, Timothy, (Auger  
 Bits) ..... E

*These are the old  
 fashioned double twist,  
 double cut augers. We  
 claim that rightly made  
 from good steel, they are  
 the best.*

*We make augers and  
 bits of all sizes and  
 lengths, as follows: Car-  
 penter, Millwright, Post  
 and Gas augers; Brace,  
 Car, Machine (right or  
 left hand) countersink,  
 Plug bits, etc. These are  
 made of Black Diamond  
 crucible cast steel, and  
 especially adapted to  
 workers in hard wood.*

*We cannot appeal to  
 you on the score of low  
 prices, but a trial will  
 prove that in the end  
 they are cheap.*

**PA.—Philadelphia**  
 Bonney Vise & Tool Wks.  
 3015 Chestnut (Hollow  
 Augers) ..... B  
 Enterprise Mfg. Co. N. 3d &

**AUGERS & BITS (Con.)**

Dauphin (Dried Fruit &  
 Sugar Augers) ..... AAAA  
 Keystone Drop Forge Wks.  
 (Drop Forged Screw  
 Driver Bits) ..... B  
 Pugh, Job. T., 3101 Ludlow  
 (Auger & Machine Bits) C  
 Stortz & Son, John, 210  
 Vine (Electricians' & Bell  
 Hangers; Gimlets) .... D  
 Gills' Sons, John D., (Mine  
 Augers) ..... D  
**PA.—Pittsburg**  
 Hubbard & Co. Murtland  
 Bldg. (Boring Machine  
 Augers) ..... A  
 Pittsburg Tool & Drop Forge  
 Co. Arrott Bldg. (Miners')  
 E  
**TENN.—Memphis**  
 Chickasaw Iron Wks. (Earth  
 Augers) ..... A  
**WIS.—Racine**  
 Racine Malleable & Wrought  
 Iron Co. (Post Hole Au-  
 gers) ..... B

**AUTOCOPY-  
ISTS**

**New York City**  
 Ten Eyke, H. B., ..... G

**AUTOMO-  
BILES**

**CAL.—Los Angeles**  
 Auto Vehicle Co. (Gasoline)  
 942 Main ..... D  
 Sturgis & Bros., S. D., .... E  
**CAL.—San José**  
 Letcher Automobile Co., D  
**CAL.—San Leandro**  
 Best Mfg. Co. .... B  
**CONN.—Bridgeport**  
 Locomobile Co. of America,  
 The (Steam & Gasoline)  
 AAA

**CONN.—Hartford**  
 Electric Vehicle Co. (Elec-  
 tric & Gasoline) ..... AAAA  
**CONN.—Middletown**  
 Baker Mfg. Co. (Gasoline) D  
**CONN.—New Britain**  
 Corbin Motor Vehicle Corp.  
 The (Gasoline) ..... B  
**ILL.—Aurora**  
 Aurora Automatic Mch. Co.  
 B

**ILL.—Belvidere**  
 National Sewing Machine  
 Co. (Gasoline) ..... AAA  
**ILL.—Chicago**  
 Coey & Co., C. A., 5311  
 Cottage Grove Av. (Elec-  
 tric & Gasoline) ..... A  
 Fanning Mfg. Co., Pratt &  
 Morgan (Electric) .... O  
 National Sewing Machine Co.  
 463 Madison (Gasoline)  
 AAA

Woods Motor Vehicle Co.,  
 110 E. 20 (Electric) ... AA  
**ILL.—Oak Park**  
 Kenilworth Machine Co., D  
**ILL.—Peoria**  
 739 1:6 '05 543 Register 22

**IND.—Auburn**  
 Auburn Automobile Co.  
 (Gasoline) ..... B  
 Eckhart Carriage Co., B  
 Model Gas Engine Co.,  
 (Steam) ..... B

**IND.—Evansville**  
 Single Center Buggy Co.  
 (Gasoline) ..... D

**IND.—Indianapolis**  
 National Motor Vehicle Co.  
 (Electric & Gasoline) ... A  
 Premier Motor Mfg. Co., 222  
 W. Maryland (Gasoline) D

**IND.—Kokomo**  
 Haynes & Apperson Co.  
 (Gasoline) ..... A  
 White Steam Wagon Co.,  
 365 W. 15 (Steam freight  
 wagons) ..... D

**IND.—Logansport**  
 Western Motor Co., The AA

**IND.—Muncie**  
 Muncie Wheel & Jobbing Co.  
 A

# **AUTOMOBILES (Con.)**

**IND.—South Bend**  
Studebaker Bros. Mfg. Co. ....A

**IND.—Terre Haute**  
Standard Wheel Co.,  
(Gasoline) .....AAA

**IND.—Union City**  
Union Automobile Co.  
(Gasoline) .....B

**IND.—Waterloo**  
Waterloo Motor Wks.  
(Gasoline) .....A  
Waterloo Wagon Buggy &  
Omnibus Co. ....C

**MASS.—Boston**  
Lyman & Burnham, 43 Col-  
umbus Av. (Gasoline) B  
Phelps Motor Co. ....D  
Stanley Mfg. Co. (Steam) C  
**MASS.—Cambridge**  
Crest Mfg. Co. (Gasoline) D  
**MASS.—Chicopee Falls**  
Stevens Arms & Tool Co., J.,  
(Gasoline) .....AA

**MASS.—Dedham**  
Thatswell & Co., H. K., D  
**MASS.—Hyde Park**  
Pope-Robinson Co. (Gasoline)  
.....C

**MASS.—Lawrence**  
O'Neill, John E., (Gasoline) B

Stanley Mfg. Co. (Steam) C

**MASS.—Newton**  
Stanley Bros. ....A

**MASS.—Orange**  
Grout Bros. Automobile Co.  
(Steam & Gasoline) ....A

**MASS.—Springfield**  
Knox Automobile Co.  
(Gasoline) .....A

Warwick Cycle & Automobile Co. (Gasoline) ....D

**MASS.—Waltham**  
Waltham Mfg. Co. (Gasoline)  
.....B

**MICH.—Charlotte**  
Dolson & Sons, John L.,  
(Gasoline) .....D

**MICH.—Chelsea**  
Chelsea Mfg. Co. (Ltd) ..D

**MICH.—Detroit**  
Cadillac Automobile Co.,  
1347 Cass Av. (Gasoline) A

Ford Motor Co., 688 Mack  
Av. (Gasoline) .....B

Northern Mfg. Co., Cham-  
plain & Canton (Gasoline)  
.....C

Olds Motor Wks., Concord  
cor Jefferson Av. (Gasoline)  
.....A

Packard Motor Car Co.,  
(Gasoline) .....B

Reid Mfg. Co. (Gasoline) ..AA

**MICH.—Grand Rapids**  
Austin Automobile Co.  
(Gasoline) .....B

Matheson Motor Car Co.  
(Ltd) (Gasoline) .....C

**MICH.—Houghton**  
Hodge Iron Co. ....A

**MICH.—Jackson**  
Jackson Automobile Co.  
(Gasoline & Steam) ....D

**MICH.—Kalamazoo**  
Michigan Automobile Co. B  
Michigan Buggy Co.  
(Gasoline) .....B

**MICH.—Lansing**  
Clark Mobile Co. (Gasoline) A

**MICH.—Mancelona**  
Eclipse Motor Wks. ....D

**MICH.—Owatonna**  
Virtue & Pond Mfg. Co. ....C

**MO.—Joplin**  
Freeman Foundry & Machine  
Wks. ....A

Reynolds, Graves & Co. ....D

**MO.—St. Louis**  
Brecht Butchers Supply Co.,  
G. V., (Electric & Steam) AAA

St. Louis Motor Carriage Co.  
1211 N. Vandewater  
(Gasoline) .....C

**NEBR.—Doniphan**  
Wilson, Harry, ....C

# **AUTOMOBILES (Con.)**

**N. J.—Burlington**  
Birch, Jas. H., (Gasoline) AA

**N. J.—Hoboken**  
Fischer Motor Vehicle Co.  
(Gasoline) .....B

**N. J.—Jersey City**  
Commercial Motor Co.  
(Gasoline) .....B

**N. Y.—Brooklyn**  
Mack Bros. Co., The, 540  
Atlantic Av. ....D

Vehicle Equipment Co.,  
(Inc.) Borden & Review  
Aves. (Electric) .....A

Wood Vapor Vehicle Co.,  
811 Union Av. (Vapor) C

**N. Y.—Bronxville**  
Ward-Leonard Electric Co.  
(Gasoline) .....A

**N. Y.—Buffalo**  
Buffalo Electric Carriage  
Co., Military Rd. (Elec-  
tric & Steam) .....C

Centaur Motor Vehicle Co.  
(Electric) .....C

Pierce Co., Geo. N.,  
(Gasoline) .....A

Thomas Motor Co., E. R.,  
1190 Niagara (Gasoline) B

**N. Y.—Green Island**  
Grant, Ferris & Co. ....D

**N. Y.—Long Island City**  
Daimler Mfg. Co., 939 Stein-  
way Av. (Gasoline) ....D

**New York City**  
Electric Vehicle Co., 100  
Bway. (Electric & Gasoline)  
.....AAAA

Empire State Engineering  
Co., 553 E. 116 (Steam) D

Gas Engine & Power Co.,  
& Chas. Seabury & Co.  
(Con.) Morris Heights  
(Gasoline) .....AA

International Power Co., 74  
Bway. (Steam & Electric  
trucks) .....AAAA

Knox Automobile Co.  
(Gasoline) .....A

Lozier Motor Co., 1 Bway.  
(Gasoline) .....D

Locomotive Co. of Amer.,  
The (Steam & Gasoline) AAA

Mobile Co. of Amer., The  
(Steam) .....A

Prescott Automobile Mfg.  
Co. (Steam) .....B

Stevens Arms & Tool Co., J.  
(Gasoline) .....AA

**N. Y.—No. Tonawanda**  
Herschell Spillman & Co.,  
(to order) .....D

**N. Y.—Poughkeepsie**  
Lane Motor Vehicle Co.,  
(Steam) .....B

**N. Y.—Schoenectady**  
General Electric Co.  
(Electric) .....AAAA

**N. Y.—Syracuse**  
Century Motor Vehicle Co.  
(Elec; Gas; Steam) ....X

Franklin Mfg. Co., H. H.,  
400 S. Geddes (Gasoline) A

**N. Y.—Troy**  
Grant-Ferris Co., (Hydro-  
carbon) .....D

**N. Y.—Utica**  
Remington Motor Vehicle  
Co., Broad cor Niagara  
(Gasoline) .....D

Smith and Co., D. B., 69  
Genesee (Gasoline) ....C

**N. Y.—Yonkers**  
Howard Auto. Co. 67 Dock  
D

**OHIO—Chillicothe**  
Motor Storage & Mfg. Co.,  
The .....D

**OHIO—Cleveland**  
Ajax Motor Vehicle Co.,  
(Electric) .....A

Amer. Motor Carriage Co.  
(Gasoline) .....C

Baker Motor Vehicle Co.,  
The 116 Jesse (Elec.) A

Berg Automobile Co., 181  
2nd Av. (Gasoline) ....B

Konigslow, Otto (Gasoline) C

Peerless Motor Carr. Co.,  
The (Gasoline) .....A

**AUTOMOBILES (Con.)**

Royal Motor Carr. Co., The  
1518 Lake, (Gasoline) ..B  
White Sewing Machine Co.,  
300 Rose Bldg. (Steam)  
AAAA  
Winton Motor Carr. Co.,  
Berea, (Gasoline) ....AA  
**OHIO—Clyde**  
Elmore Mfg. Co. (Gasoline)  
O  
**OHIO—Columbus**  
Columbus Automobile & Mfg.  
Co., 41 W. 3d Av. (Gasoline)  
.....D  
Columbus Motor Vehicle Co.,  
The 79 Thurman (Gasoline)  
.....C  
Motor Truck Co., 169 N. 9th  
D  
**OHIO—Marion**  
Huber Mfg. Co. (Gasoline)  
AA  
**OHIO—Middletown**  
Miami Cycle & Mfg. Co.  
(Steam) .....A  
**OHIO—Sandusky**  
Sandusky Automobile Co.,  
he (Gasoline) .....O  
**OHIO—Shelby**  
Shelby Motor Car Co. (Gasoline)  
.....X  
**OHIO—Toledo**  
Pope Motor Carr. Co. ...AA  
**OHIO—Warren**  
Trumbull Mfg. Co. ....D  
**OHIO—Youngstown**  
Fredonia Mfg. Co., The, 221  
S. Market (Gasoline) ..D  
**PA.—Ardmore**  
Autocar Co., The (Gasoline)  
B  
**PA.—Bradford**  
Holley Motor Co. (Gasoline)  
O  
**PA.—Easton**  
Easton Automobile Co. ...A  
**PA.—Lancaster**  
Safety Buggy Co. (Steam) B  
**PA.—Pittsburg**  
Pittsburg Autocar Co.  
(Gasoline) .....A  
**PA.—Reading**  
Acme Motor Car Co., 302 N.  
8th (Hydro-Carbon) ....B  
Boss Knitting Machine Wks.  
Elm cor. Reed (Steam) B  
Duryea Power Co., River  
cor. W. Elm, (Gasoline)  
B  
**PA.—York**  
Pullman Automobile Co.,  
(Gasoline) .....B  
**WIS.—Kenosha**  
Jeffrey & Co., Thos. B.,  
(Gasoline) .....AA  
**WIS.—Milwaukee**  
Northwestern Furn. Co., 273  
W. Water (Gasoline) ..B  
Bartholomew Co., The  
(Gasoline) .....AAA  
**WIS.—Racine**  
Wisconsin Wheel Wks.  
(Gasoline) .....B

**AWLS**

**CONN.—Bridgeport**  
Hurwood Mfg. Co. (Carpet;  
Folding; Scratch; Belt;  
Tinnars) .....O  
Knapp & Cowles Mfg. Co.  
(Carpenters; Machinists;  
Marking) .....O  
**CONN.—Deep River**  
Williams & Marvin  
(Scratch) .....C  
**CONN.—Hartford**  
Billings & Spencer Co. (Belt;  
Scratch) .....AA  
**CONN.—New Britain**  
Stanley Rule & Level Co.  
(Brad; Scratch; Peg;  
Belt) .....AAA  
**CONN.—New Haven**  
Smith & Co., A. H. (Machine;  
Sewing; Stabbing;  
Peg) .....D  
**CONN.—Plantsville**  
Acme Mfg. Co. (Belt; Ice;  
Scratch; Thong) .....F  
**CONN.—Seymour**  
Swan Co., Jas. ....A

**AWLS (Con.)**

**CONN.—Southington**  
Peck, Stow & Wilcox Co.  
AAAA  
**CONN.—Torrington**  
Union Hardware Co. (Brad;  
Scratch) .....AA  
**ILL.—Freeport**  
Arcade Mfg. Co. ....A  
**IOWA—Des Moines**  
Des Moines Saddlery Co.  
(Brad; Carpet) .....A  
**MASS.—Boston**  
Dame, Stoddard & Co., 370  
Washington (Scratch;  
Belt) .....A  
**MASS.—Brockton**  
Tuck Mfg. Co. (Ice; Belt;  
Scratch) .....E  
**MASS.—Marlboro**  
Marlboro Awl & Needle Co.  
E  
**MASS.—Millbury**  
Buck, Charles (Scratch;  
Belt) .....B  
Buck Bros. (Scratch; Belt)  
A  
**MASS.—No. Easton**  
New England Specialty Co.  
(Peg; Brad) .....F  
**MASS.—Plymouth**  
Mixer & Co., J. W. ....X  
**MASS.—Shelburne Falls**  
Mayhew Co., H. H. (Ice;  
Peg; Brad; Scratch;  
Belt) .....D  
**MASS.—Springfield**  
Bemis & Case Hdw. & Tool  
Co. (Scratch; Belt) ....A  
Springfield Mach. Screw Co.  
(Scratch) .....D  
**MASS.—Stoughton**  
Britton, Horace E. ....G  
**MASS.—West Medway**  
New England Awl & Needle  
Co. ....D  
**N. J.—Elizabeth**  
Braunsdorf - Mueller Co.  
(Brad; Scratch; Belt) ..D  
**N. J.—Newark**  
Osborne & Co., C. S. (Brad;  
Carpet; Harness) .....A  
Sacks, Louis .....A  
**New York City**  
Russell & Erwin Mfg. Co.  
(Scratch) .....AAAA  
Sargent Co., N., 151 Leonard  
(Scratch; Belt; Peg;  
Brad) .....AAAA  
**OHIO—Sandusky**  
Sandusky Tool Co. (Brad)  
A  
**PA.—Philadelphia**  
Stortz & Son, John (Scratch)  
F  
**R. I.—Providence**  
Brown & Sharpe Mfg. Co.  
(Scratch) .....AAAA

**AWNINGS  
TENTS and  
FLAGS**

**ARK.—Little Rock**  
Little Rock Tent & Awning  
Co. ....O  
**CAL.—Los Angeles**  
Hoegee Co., W. H. ....B  
**CAL.—San Francisco**  
Ames & Harris (Inc.) ...A  
Brann & Prior .....O  
Doyle, J. J. ....O  
Henrix, C. ....O  
Neville & Co. ....A  
**COLO.—Denver**  
Denver Tent & Awning Co.  
O  
**CONN.—Newton**  
Beers & Co., S. G. (Wagon  
Tops) .....AA  
**D. C.—Washington**  
Copeland Co., M. G. ....C  
Nicholson & Son, Jos. A. ...O  
**GA.—Dalton**  
Smith, M. D. & H. L. ....D  
**ILL.—Chicago**  
Bentley & Gerwig (Ltd.) .A  
Carpenter & Co., Geo. B.  
(Duck Tents) .....AA  
Cook & Bro., E. C. ....B  
Johnson Co., J. W. ....B  
Smith Wire & Iron Works,  
F. P., 100 Lake (Corru-

# AWNINGS, ETC. (Con.)

gated Steel) .....B  
**ILL.—Decatur**  
 Decatur Tent & Awning Co. C  
**IND.—Evansville**  
 Mesker & Co., Geo. L. (Corrugated Steel) .....A  
**IOWA—Mason City**  
 Mason City Bedding Co. (Tents & Flags) .....C  
 Mason City Fur Co. ....C  
**IOWA—Sioux City**  
 McNeil & Son, H. C. ....C  
**KANS.—Topeka**  
 Schick, Wm. ....C  
**MD.—Baltimore**  
 Hooper & Co. ....B  
 Nicholson & Son, Jas. A. C  
 Sisco Bros. ....C  
**MASS.—Boston**  
 Wheeler & Co., H. A. ....C  
**MASS.—Lawrence**  
 Pemberton Mfg. Co. (Awnings) .....AA  
**MICH.—Detroit**  
 Bolles Iron & Wire Wks., J. E. (Metal) .....X  
 Goss Co., John C. ....C  
 Lewis, Hy. B., 45 Jos. Campbell av. (Corrugated Steel) .....D  
**MO.—Kansas City**  
 Baker & Lockwood Mfg. Co. A  
 Kansas City Roofing & Corrugating Co. (Corrugated Steel) .....D  
 Swearingen Shutter & Iron Works Co., 1st & Gillis (Corrugated Steel) .....F  
**MO.—St. Joseph**  
 Klos Mfg. Co. ....C  
**MO.—St. Louis**  
 Globe Iron & Foundry Co., 9th & Victor (Corrugated Steel) .....B  
 Mesker & Bro., 421 S. 8th (Corrugated Steel) ...AA  
 Missouri Tent & Awning Co. B  
 Morrison Tent & Awning Co. ....C  
 Union Iron & Foundry Co., 1458 S. 2d (Corrugated Steel) .....B  
 Wenzel, Herman ....C  
 Zittlosen Mfg. Co. ....C  
**New York City**  
 Abercrombie & Fitch (Outfits; Camping) .....C  
 Boyle & Co., John (Tents only) .....AA  
 De Graw, Aymar & Co. (Flags only) .....A  
 Hopkins & Co., John C. ....C  
 Magee & Son, M., 147 Fulton .....C  
 Meehan & Co., Jno., 135 Cedar .....D  
 McHugh, John F. ....C  
 Rehm & Co., 141 Fulton (Awnings; Flags) .....D  
 Sawyers & Sons, John M. C  
 Wilson Mfg. Co., 3 W. 29th (Venetian) .....A  
**N. Y.—Rochester**  
 Bickford Bros. ....C  
 Field Co., James .....B  
**OHIO—Canton**  
 Berger Mfg. Co. (Corrugated Steel) .....AA  
 Eller & Co., J. H. (Corrugated Steel) .....A  
**OHIO—Cincinnati**  
 National Flag Co. (Printed Flags only) .....A  
 Patton Co., R. J. ....B  
 Pettibone Bros. Mfg. Co. (Flags) .....A  
 Ryling & Son, John. ....C  
**OHIO—Cleveland**  
 Wagner Mfg. Co., 15205 Euclid av. ....C  
**OHIO—Middletown**  
 American Steel Roofing Co. (Corrugated Steel) ...AA  
**OHIO—Salem**  
 Mullins, W. H. (Metal) ..A  
**OHIO—Toledo**  
 Hettrick Bros. Co. (Awnings & Flags) .....B  
 Wilcox Co., M. I. ....A

# AWNINGS, ETC. (Con.)

**OREGON—Portland**  
 Noon Bag Co., W. O. ....B  
**PA.—Easton**  
 American Flag Co. (Bunting; Silk; Muslin Flags) C  
**PA.—Meadville**  
 Shryock, John J. ....C  
**PA.—Philadelphia**  
 Gara, McGinley & Co., 23 S. 17th (Corrugated Steel) B  
 Merritt & Co., 1024 Ridge av. (Corrugated Steel) ..E  
**PA.—Pittsburg**  
 Scaife Sons & Co., Wm. B., 221 1st Av. (Corrugated Steel) .....AAA  
**TENN.—Chattanooga**  
 Ornamental Iron & Wire Co. (Corrugated Steel) ....B  
**WIS.—Fond du Lac**  
 Fond Du Lac Awning & Tent Co. ....B  
**WIS.—Milwaukee**  
 Joys Bros. & Co. ....B  
**AXES**  
**CONN.—Collinsville**  
 Collins Co. (Chopping) AAAA  
**CONN.—Southington**  
 Peck, Stowe & Wilcox Co. (Ice) .....AAAA  
**CONN.—Westport**  
 Bradley's Sons, G. W. (Ice) D  
**CONN.—Winsted**  
 Winsted Edge Tool Works (Chopping) .....B  
**ILL.—Chicago**  
 Born Packers Supply Co., H. A. (Butchers') .....D  
**IND.—Alexandria**  
 Kelly Axe Mfg. Co. ....C  
**IND.—Evansville**  
 Evansville Tool Works (Broad; Ice; Stone Workers') .....A  
**IND.—Gas City**  
 Indiana Edge Tool Co. (Chopping') .....B  
**MAINE—Bangor**  
 Bangor Edge Tool Co. (Chopping) .....D  
**MAINE—Belfast**  
 Kelly & Co., B. (Chopping) D  
**MAINE—Caratunk**  
 Witham, G. T. ....G  
**MAINE—Hallowell**  
 North Wayne Tool Co. (Chopping) .....C  
**MAINE—Oakland**  
 Emerson & Stevens Mfg. Co. (Chopping) .....D  
**MASS.—Arlington**  
 Wood & Co., Wm. T. (Ice) A  
**MASS.—Boston**  
 Harvey, H. H., 608 Atlantic (Stone Workers) ..D  
**MICH.—Detroit**  
 Anderson & Sons, W. H. (Ice; Stone Workers) ..C  
**MICH.—Eaton Rapids**  
 Holcomb & Woodruff ....G  
**MICH.—Gladstone**  
 Marble Safety Axe Co. (Pocket Safety) .....B  
**MICH.—Grand Rapids**  
 Munson Co., E. A. ....E  
**MO.—Kansas City**  
 Hauck, W. J. (Stone Workers) .....F  
**MO.—St. Louis**  
 Brecht Butchers Supply Co., G. V., 1201 Cass Av. (Butchers') .....AAA  
**N. H.—East Lebanon**  
 Emerson Edge Tool Co. ....X  
**N. J.—Newark**  
 Atha Tool Co. (Stone) ....A  
 Harding Edge Tool Works. F  
**N. J.—Rockaway**  
 McKinnon, Wm. (Chopping) F  
**N. Y.—Athens**  
 Dornell & Co., H. F. ....E  
**N. Y.—Buffalo**  
 White Co., L. & I. J. (Chopping; Ice) .....A  
**N. Y.—Cattaraugus**



**AXES (Con.)**  
 United States Edge Tool Co.  
 (Ice) .....D  
**N. Y.—Clayville**  
 Babbitt-Harris Co. (Broad)  
 D  
**N. Y.—Cohoes**  
 Peck Edge Tool Co. (Broad;  
 Chopping; Firemans; Ice)  
 X  
**N. Y.—Dunkirk**  
 Romer Axe Co. (Boys; Half;  
 Three-quarter; Handled)  
 B  
**N. Y.—Napanoch**  
 Pillsbury, M. M. (Chopping)  
 C  
**New York City**  
 American Axe & Tool Co.,  
 253 B'way (All Kinds)  
 AAAAA  
 Collins & Co., 212 Water  
 (Boys; Cast Steel; Broad;  
 Chopping; De Tumba;  
 Double Bitted; Spanish)  
 AAAAA  
 Safety Fire Extinguisher  
 Co., 29 W. 42d (Fire)...X  
 Sargent & Co., 151 Leonard  
 (Ice) .....AAAA  
 Weed, Riley & Co., 11 Gold  
 (Chopping) .....D  
**N. Y.—Staatsburgh**  
 Bodenstern & Co., J. G.  
 (Ice) .....D  
**N. Y.—Troy**  
 Palmer Hdw. Mfg. Co.,  
 Green Island P. O. (Ice)  
 D  
**OHIO—Cleveland**  
 Gerlach & Co., Peter, 27  
 Columbus (Ice) .....A  
**OHIO—Findlay**  
 Findlay Axe & Tool Co.  
 (Chopping) .....A  
**OHIO—West Park**  
 Norton Tool Co. (Broad;  
 Half; Ice; Quarter;  
 Bench; Boys'; Three-  
 quarter) .....C  
**PA.—Chester**  
 Black & Co., H. B. (Butch-  
 ers') .....AA  
**PA.—El Dorado**  
 Colclesser Bros. (Chopping)  
 D  
**PA.—Eldred**  
 Prouty & Co., C. ....B  
**PA.—Glassport**  
 American Axe & Tool Co.  
 (Inc.) Double; Bitted;  
 Firemans'; Ice; Bench;  
 Boys'; Broad; Hunters';  
 Side; Single Bitted;  
 Handled; Unhandled)  
 AAAAA  
**PA.—Honesdale**  
 White Axe Co., G. (Chop-  
 ping) .....D  
**PA.—Lewistown**  
 Mann, Jas. H. (Chopping)  
 A  
 Mann Edge Tool Co. (Chop-  
 ping) .....AA  
**PA.—Ogontz**  
 Hammond & Son, C. (Chop-  
 ping; Stone Workers')...A  
**PA.—Philadelphia**  
 Germantown Tool Wks., 518  
 Commerce (Boys'; Hun-  
 ters') .....A  
 Plum, Fayette R., cor.  
 Tucker & P. R. R.  
 (Broad; Butchers'; Fire-  
 mens'; Stone) .....AA  
 Storts & Son, John, 210  
 Vine (Ice) .....E  
**PA.—Pittsburg**  
 Hubbard & Co., Murland  
 Bldg. (Ice) .....AA  
 Klein-Logan Co., S. 13th &  
 Breed (Stone Workers')...A  
**PA.—Ridgway**  
 Standard Axe & Tool Wks.  
 (Chopping) .....D  
**PA.—Warren**  
 Warren Axe & Tool Co.  
 (Chopping; Firemans';  
 Ice; Turpentine) .....B  
**VT.—East Highgate**  
 Rixford Mfg. Co. ....B

## AXLE GREASE

See Grease

## AXLES

See also Hardware; Carriage  
 & Wagon

**ALA.—Selma**  
 Peacock's Iron Wks. (Mine  
 Car. &c.) .....C  
**CONN.—Hartford**  
 Billings & Spencer (Auto-  
 mobile) .....AA  
**CONN.—Mildale**  
 Clark Bros. & Co. (Bicycle)  
 A  
**DEL.—Wilmington**  
 Johnson Forge Co. (Car; Lo-  
 comotive) .....B  
**ILL.—Chicago**  
 Chicago Screw Co., 2 N.  
 Canal (Bicycle) .....AAA  
 Griffin Wheel Co., 138 Jack-  
 son Boul. (Car & Locomo-  
 tive) .....AAA  
 Reading Iron & Steel Co.,  
 Stock Exch. Bldg. (Car &  
 Locomotive) .....AA  
 Republic Iron & Steel Co.,  
 108 La Salle (Car).....AAAA  
**IND.—Fort Wayne**  
 Bass Foundry & Machine  
 Co. (Iron & Steel Car;  
 Driving, &c.) .....AA  
**IND.—Logansport**  
 Dorner Truck & Fdy. Co.  
 (Street Car) .....D  
**KY.—Louisville**  
 Louisville Steam Forge Co.,  
 308 5th (Locomotive &  
 Car) .....B  
**MAINE—Portland**  
 Portland Co. (Car & Loco-  
 motive) .....A  
**MD.—Baltimore**  
 Baltimore Car Wheel Co.,  
 Patterson Av. & Payston  
 (Car) .....B  
**MASS.—Boston**  
 American Roller Bearing  
 Co., 40 Binford (Ball &  
 Roller) .....B  
 Boston Forge Co., 340 Mav-  
 erick, E. B. (Car; Tender;  
 Truck; Driving) .....A  
 Eastern Forge Co., 70 Kilby  
 (Car, &c.) .....M  
 Jones & Co., B. M., 141  
 Milk (Car & Locomotive)  
 A  
**MICH.—Three Rivers**  
 Sheffield Car Co. (Light  
 Car) .....A  
**MO.—St. Louis**  
 American Car & Foundry  
 Co., 706 Chestnut (Car;  
 Locomotive; Mine Car)  
 AAAAA  
 Helmbacher Forge & Roll-  
 ing Mill Co., 706 Chestnut  
 (Locomotive; Car, &c.)  
 AA  
 St. Louis Car Co., 8000 N.  
 B'way (Street Car)AAAA  
 St. Louis Steam Forge &  
 Iron Wks., Main & Miller  
 (Locomotive; Car, &c.)...A  
**N. H.—Lakeport**  
 Cole Mfg. Co. (Locomotive;  
 Street Car) .....A  
**N. J.—Carteret**  
 Canda Mfg. Co. (Street Car)  
 O  
**N. J.—High Bridge**  
 Taylor Iron & Steel Co. (Car  
 & Locomotive) .....AAAA  
**N. Y.—Buffalo**  
 New York Car Wheel Wks.  
 (Cold Rolled) .....AA  
 Sizer, W. S., foot Jefferson  
 (Locomotive Car) .....A  
**New York City**  
 Gould Compler Co., 20 W.  
 34th (Car & Locomotive)  
 AA  
 New Jersey Foundry & Ma-  
 chine Co., 9 Murray (Car)  
 D  
**OHIO—Akron**  
 Akron Foundry Co. (Steel)  
 O

**AXLES (Con.)****OHIO—Carthage**

Block-Pollak Iron Co. (Car;  
Locomotive; Driving)...AA

**OHIO—Cincinnati**

Mowry Car Wheel Wks.  
(Car).....B

**OHIO—Cleveland**

Atlas Bolt & Screw Co.,  
Marquette opp. Hamilton  
(Mine, &c.).....A  
Atlas Car & Mfg. Co. (Car)  
AA

Cleveland City Forge &  
Iron Co., 67 Case Av. (Lo-  
comotive & Car).....AA

Federal Mfg. Co. (Automobile)  
.....AAA

Fulton Fdy. Co. (Car)....C

Otis Steel Co. (Ltd.) Lake  
& Lawrence (Steel; Locomotive;  
Car).....AAAA

Van Dorn & Dutton Co., 1796  
E. Madison Av. (Elect.  
Car).....B

**OHIO—Columbus**

Kilbourne & Jacobs Mfg. Co.  
AAAA

**OHIO—Lima**

Lima Locomotive & Machine  
Co. (Car).....AAA

**PA.—Allegheny**

Carlins' Sons, Thos. (Car).A

**PA.—Beaver Falls**

Union Drawn Steel Co.  
(Steel Car).....AA

**PA.—Eddystone**

Tindel-Morris Co. (Car).AA

**PA.—Fullerton**

Lehigh Car Wheel & Axle  
Works (Car).....AAAA

**PA.—McKees Rocks**

Lockhart Iron & Steel Co.  
(Car; Driving, &c.)...AA

**PA.—Nazareth**

Nazareth Fdy. & Machine  
Co. ....B

**PA.—Philadelphia**

Brill Co., J. G., Woodland  
Av. & 62d (Street Car)  
AAAA

Cambria Steel Co., Arcade  
Bldg. (Steel; Car; Locomotive)  
.....AAAA

Midvale Steel Co., Nicetown  
(Nickel Steel; Locomotive;  
Tender; Truck; Car).....AAAA

Pennsylvania Steel Co., Glard  
Bldg. (Hammered;  
Steel; Car; Locomotive)  
AAAA

Pressed Steel Mfg. Co.,  
Ridge Av. & Willow (Ball  
Bearing; Steel; Carriage)  
D

Roberts Co., A. & P. (Car)  
AAAA

Standard Steel Wks., Harrison  
Bldg. (Car & Locomotive)  
.....AA

**PA.—Pittsburg**

Carbon Steel Co., 32d &  
Smallman (Nickel Steel;  
Car; Locomotive).....A

Carnegie Steel Co., Carnegie  
Bldg. (Steel; Car; Locomotive)  
.....AAAA

Jones & Laughlins (Ltd.)  
(Car).....AAAA

Pittsburg Forge & Iron Co.,  
10th & Penl Av. (Hammered;  
Locomotive; Car).....A

**PA.—Reading**

Reading Iron Co. (Driving,  
&c.).....AAAA

**PA.—South Bethlehem**

Bethlehem Steel Co. (Nickel  
Steel; Car; Locomotive,  
&c.).....AAAA

PA.—Titusville  
Titusville Forge Co. (Car  
& Locomotive).....B

PA.—Wilkesbarre  
Vulcan Iron Wks. (Car &  
Locomotive).....AAAA

VA.—Richmond  
Johnson & Co., J. R. (Locomotive;  
Car, &c.).....D

Tredegear Co. (Car).....AAA

**BACK-  
GROUNDS****IND.—La Porte**

Carter & Lay (Photo)....X

**BACKING****CONN.—New Haven**

Kissinger & Geiger (Picture  
Frame).....O

**ILL.—Chicago**

Story Furnishing Co., 209  
So. Chuton (Cloth).....D

**ME.—Foxcroft**

Ranger & Ayer Mfg. Co.  
(Picture).....D

**MO.—St. Louis**

Webber Moulding Co. J. R.,  
Cass Av. & 21st (Picture  
Fibre).....B

**N. Y.—Brooklyn**

Allmann W., 71 Leonard  
(Shoe Goods).....O

**OHIO—Cincinnati**

Knerr Paper Co. Lewis  
(Minor).....A

**WIS.—Two Rivers**

Hamilton Mfg. Co. (Wood-  
en, Electrotpe).....AA

**BACKS****CONN.—Waterbury**

Matthews & Willard Co.  
(Stamped Metal; Metallic;  
Comb).....AAAA

White Co., Luther C. (But-  
ton).....O

**ILL.—Chicago**

Smith, David A. (Buggy).G

**IND.—New Castle**

Krell French Piano Co. (Pia-  
no).....AA

**IOWA—Dubuque**

Adams Co. (Iron Chimney  
Stove).....A

**N. Y.—Brooklyn**

Perfection Book Back Co.,  
427 Hamilton Av. (Book)  
D

**N. Y.—Cortland**

Davis Mfg. Co., J. E. (Pia-  
no).....B

**New York City**

Lalance & Grosjean Mfg.  
Co., 19 Cliff (Sink)AAAA

Froelich, A. (Est of) (Fire)  
B

Jackson Co., Wm. H., 29 E.  
17 (Fire).....A

Mott Iron Wks., J. L. (Iron  
Chimney).....AA

**N. Y.—Olean**

Tanner's Shoe Stock Co.  
(Brush).....B

**OHIO—Piqua**

Piqua Handle & Mfg. Co.  
(Brush).....A

**PA.—Philadelphia**

Harrison's Sons, W. H.  
(Fire).....E

**R. I.—Providence**

Van Stone Mfg. Co. (Brush)  
X

**WIS.—Milwaukee**

Rundle Mfg. Co. (Enameled  
Iron Sink).....A

**BADGES**

See also Jewelry

**COLO.—Denver**

Denver Novelty Wks. &  
Mfg. Co. ....D

**CONN.—Bridgeport**

Schwerdtte Stamp Co. ....F

**MD.—Baltimore**

Torsch & Franz Badge Co.,  
332 N. Howard (Silk)..F

**MASS.—Attleboro**

Robbins, Chas. M. (Police)  
O

Robbins Mfg. Co., Jno. (Me-  
tal).....E

**MASS.—Boston**

Woodman Mfg. & Supply  
Co. (& Medals).....F

**N. J.—Newark**

Durand & Co. (Inc.) (Gold  
& Silver).....AA

International Badge & Nov-  
elty Co. (Society etc.)..D

**BADGES (Con.)**

Whitehead & Hoag Co.  
(Metal; Advertising; Fire-  
men's) .....AAA  
New York City  
American Railway Supply  
Co., 24 Park Pl. (Em-  
broidered; Police) .....X  
Braxmer & Co., C. G., 10  
Malden Lane (Metal)  
(Gold; Silver) .....B  
Cairns & Bro. (Firemen's) D  
Cooke, Robt. F. ....F  
French, S. A. ....B  
Koster Co., C. H. (Embroid-  
ered; Silk) .....D  
Lamb, J. & R. (Gold; Silver)  
D  
New York Stencil Wks.  
(Firemen's) .....D  
New York Woven Label  
Mfg. Co., 262 Canal (Wov-  
en) .....D  
Stafford Co., Nelson, 66  
Fulton (Metal) .....F  
**OHIO—Cincinnati**  
Pettibone Bros. Mfg. Co.  
(Metal) .....A  
**OHIO—Columbus**  
Lilly & Co., The M. C.  
AAAA  
**PA.—Philadelphia**  
Quint & Son, S. H. (Metal)  
C  
**R. I.—Providence**  
Irons & Russell (Gold)....A  
**WIS.—Milwaukee**  
Schwaab Stamp & Seal Co. C

**BAGGERS**

See also Agr. Impls.

**IND.—Richmond**  
Gaar Scott Co. (Grain)  
AAAA  
**MICH.—Port Huron**  
Port Huron Engine &  
Thresher Co. (Threshing  
Machine) .....AAA  
**MINN.—Minneapolis**  
Minneapolis Threshing Mach-  
ine Co. (Grain) ....AAAA  
**OHIO—Napoleon**  
Morning Star Mfg. Co.  
(Threshing Machine) ..B  
**PA.—Waynesboro**  
Geiser Mfg. Co. (Threshing  
Machine) .....AAAA  
**WIS.—Racine**  
Case Threshing Mach. Co.,  
J. I. (Threshing Machine)  
AAAA

**BAGGING**

**CAL.—Oakland**  
California Cotton Mills Co.  
(Cotton) .....AA  
**CAL.—San Francisco**  
Neville & Co. (Inc.) ....A  
**GA.—Atlanta**  
Fulton Bag & Cotton Mills  
(Jute; etc.) .....AA  
**GA.—Augusta**  
Riverside Mills (Cotton AA  
**GA.—Columbus**  
Friedlander & Co., Julius  
(Cotton) .....E  
**ILL.—Chicago**  
Neahr & Co., M. J., 89 S.  
Clinton .....A  
**IND.—Peru**  
Peru Bagging Mfg. Co.  
(Jute) .....B  
**MD.—Baltimore**  
U. S. Cotton Duck Corpora-  
tion .....AAAA  
**MASS.—Boston**  
Ludlow Mfg. Co. (Gunny &  
Jute) .....AAAA  
**MASS.—Springfield**  
Iroquois Mfg. Co., 275 Main  
F  
**MINN.—Minneapolis**  
Hardwood Mfg. Co., 101 S.  
3d Av. ....A  
**MISS.—Columbus**  
Tombigbee Cotton Mills  
(Cotton) .....C  
**MO.—St. Louis**  
American Mfg. Co., 220 N.  
4th (Jute) .....AAAA  
Bemis Bros. Bag Co., 601 S.  
4th (Jute; etc.) ....AAAA

**BAGGING (Con.)**

Home Cotton Mills (Cotton)  
AAAA  
**N. H.—Manchester**  
Stark Mills (Cotton) AAAA  
**N. Y.—Brooklyn**  
Empire State Bag Co., 742  
Wythe Av. (Flax; Jute)  
Cotton) .....O  
**N. Y.—Cohoes**  
Harmony Mills .....AAAA  
New York City  
American Mfg. Co., 65 Wall  
(Gunny; Jute) .....AAAA  
Collins, J. Ross, 197 West  
(Jute; Cotton) .....D  
Halstead & Co., E. S., 75  
Pearl .....B  
Hoffman-Corr Mfg. Co., 107  
Duane .....AA  
Kurtz & Co., 2 Stone ....G  
Waterbury Rope Co. (Cot-  
ton) .....AAAA  
**N. C.—Concord**  
Odell Mfg. Co. ....O  
**N. C.—Franklinville**  
Franklinville Mfg. Co. (Cot-  
ton) .....B  
**N. C.—Wilmington**  
Willard Bag & Mfg. Co.  
(Cotton & Burlap Bags) D  
**OHIO—Cincinnati**  
King Mfg. Co., Front &  
Main (Cotton; Burlap;  
etc.) .....D  
Raymond Bag Co., 317 John  
(Cotton) .....D  
**OREGON—Portland**  
Ames & Harris (Inc.) (Jute;  
etc.) .....O  
**PA.—Philadelphia**  
Bailey & Co., John T., S.  
Water & Morris (Jute;  
Burlap) .....AAAA  
**S. C.—Charleston**  
Charleston Bagging Mfg. Co.  
(Cotton; Jute) .....AAAA  
**S. C.—Cherokee Falls**  
Cherokee Falls Mfg. Co. AA  
**TENN.—Jackson**  
Jackson Fibre Co. (Cotton  
Cloth) .....AAAA  
**TENN.—Nashville**  
Morgan & Hamilton Co. ..A  
Tennessee Mfg. Co. ....D  
**TEXAS—Galveston**  
Galveston Bagging & Cord-  
age Co. (Jute) .....AA

**BAGS**

Miscellaneous

See also Leather Goods

**ARK.—Little Rock**  
Little Rock Tent & Awning  
Co. (Cotton Picking)....O  
**CAL.—Oakland**  
California Cotton Mills (Cot-  
ton) .....AA  
**CAL.—San Francisco**  
California Jute Mill Co., S  
California (Grain; Sugar;  
Coffee; Wool) .....B  
Neville & Co. (Inc.), 31  
California (Grain, &c.) ..A  
**COLO.—Denver**  
Denver Tent & Awning Co.  
(Ore) .....O  
**CONN.—Middletown**  
Palmer, I. L. (School). AAA  
**CONN.—Naugatuck**  
Goodyear's India Rubber  
Glove Mfg. Co. (Grain;  
Rubber; Gas; Navy;  
Sponge; Game; Toilet;  
Brush; Saddle) ..AAAA  
**CONN.—New Haven**  
Seamless Rubber Co. (Rub-  
ber; Ice) .....AA  
**GA.—Atlanta**  
Atlanta Paper Co. (Hard-  
ware; Paper; Flour)....A  
Fulton Bag & Cotton Mills  
(Cotton, &c.) .....AA  
**GA.—Dalton**  
Smith, M. D. & H. L.  
(Corn) .....D  
**ILL.—Chicago**  
Beckley-Ralston Co. (Tool)  
O  
Charmon Co., H., Market &  
Rand (Coal) .....AA  
Chicago Rubber Brokerage

**BAGS (Con.)**  
 Co. (Rubber Hat) .....E  
 Chicago Sporting Goods Mfg.  
 Co., 126 Jefferson (Base  
 Ball Bat; Punching) ...B  
 Cook & Bro., E. C. (Cart-  
 ridge; Office Mail) ...A  
 Haskell Bros. (Tourists';  
 Traveling) .....A  
 Lanz, Owen & Co. (Gulf;  
 Leather) .....A  
 Morgan & Wright, 333 W.  
 Lake (Gas Engine) ....A  
 Neahr & Co., M. J., 89 S.  
 Clinton (Grain; Cotton;  
 Jute; Burlap) .....A  
 Wilt, Chas. T. (Traveling;  
 Railroad Mail; Toilet) ...B

**IND.—Indianapolis**  
 Armstrong & Co., Wm. H.  
 (Surgical Emergency) ..B  
**IND.—Madison**  
 Eagle Cotton Mills Co.  
 (Brown Cotton; Muslin) AA

**KY.—Grahamton**  
 Grahamton Mfg. Co. (Seam-  
 less Grain) .....B

**LA.—New Orleans**  
 Delta Bag Co. (Safety Ship-  
 ping) .....C  
 Gulf Bag Co. (Burlap;  
 Sugar Filter) .....C

**MAINE—Lewiston**  
 Androscoggin Mills (Grain,  
 &c.) .....AAA  
 Bates Mfg. Co. (Grain) AAAA

**MAINE—Kennebunk**  
 Leatheroid Mfg. Co. (Imi-  
 tation Leather Traveling) A

**MAINE—Westbrook**  
 Dana Warp Mills (Grain,  
 &c.) .....B

**MD.—Baltimore**  
 U. S. Cotton Duck Corpora-  
 tion (Seamless Grain, &c.) AAAA

**MASS.—Andover**  
 Tyer Rubber Co. (Rubber  
 Gas; Ice; Sponge) ....AA  
**MASS.—Athol**  
 Bates Bros. Co. (Chatelaine) B

**MASS.—Boston**  
 Bacon, Chas. A. (Felt) ...E  
 Boston Belting Co. (Rubber  
 Hat) .....AAAA  
 Clifton Mfg. Co. (Rubber  
 Gas) .....B  
 Davidson Rubber Co. (Rub-  
 ber; Ice; Gas; Sponge) A  
 Dennison Mfg. Co. (Opera  
 Glass) .....AAAA  
 Ludlow Mfg. Co. (Jute; Bur-  
 lap; Linen) .....AAAA  
**MASS.—Springfield**  
 Iroquois Mfg. Co., 275 Main  
 (Feed) .....F  
**MASS.—Westboro**  
 Hunt Mfg. Co. (Tool; Bi-  
 cycle Tool) .....B  
**MASS.—Worcester**  
 Hanson & Sons, Chas. F.  
 (Musical Instrument) ..E  
 Warren Leather Goods Co.  
 (Leather) .....A

**MICH.—Belding**  
 Ballow Basket & Bag Co.  
 (Coal; Coke) .....D  
**MICH.—Detroit**  
 Detroit Bag & Mfg. Co. ...A  
**MICH.—Grand Rapids**  
 Coxe, Chas. A. (Coal; Coke) D

**MINN.—Minneapolis**  
 Hardwood Mfg. Co., 101 S.  
 3d Av. (Burlap; Cotton;  
 Jute; Grain) .....A

**MO.—St. Louis**  
 Bemis Bros. Bag Co., 601  
 S. 4th (Jute, &c.) ...AAAA  
 Chase Bag Co., H. & L., 18  
 N. Main (Grain; Cotton;  
 Jute; Burlap; Feed; Bal-  
 last) .....AA  
 Meyer, Bannermann & Co.  
 (Saddle) .....AAA  
 Strauss Saddlery Co., Jacob  
 (Saddle) .....A  
 Zittlosen Mfg. Co. (Ore;

**BAGS (Con.)**  
 Feed) .....B  
**N. H.—Manchester**  
 Stark Mills (Grain, &c.) AAAA  
**N. H.—Plymouth**  
 Draper & Maynard Co.  
 (Bowling Ball; Carryall) A

**N. J.—Jersey City**  
 Mehl & Co., John (Hand;  
 Tourists'; School) ...AA  
**N. J.—Mt. Holly**  
 Standard Hicks Hammock  
 Co. (School) .....O  
**N. J.—Newark**  
 Osborne & Co., C. S. (Tool;  
 Saddle) .....B  
 Peddie & Co., T. B. (Inc.),  
 (School; Golf; Hand;  
 Traveling; Tool; Office;  
 Railroad Mail) .....AA  
 Peters Harness & Saddlery  
 Co. (Saddle; Feed) ....O  
**N. Y.—Albany**  
 Huyck & Sons, F. C. (Sleep-  
 ing) .....AA  
**N. Y.—Brooklyn**  
 Brantigan, Robt., N. 10th  
 & Roebbing (Filter) ...O  
 Empire State Bag Co., 742  
 Wythe Av. (Flax; Jute) C  
 Guir Co., Robt. (Water) AAA

**N. Y.—Buffalo**  
 American Buffalo Robe Co.  
 (Sleeping) .....A  
**N. Y.—Cohoes**  
 Harmony Mills (Cotton;  
 Grain) .....AAAA  
**N. Y.—Fulton**  
 Victoria Paper Mills Co.  
 (Flour; Cement; Nail  
 Sacks; Sugar Bags) ...B  
**N. Y.—Johnstown**  
 Ricketts Chamols Novelty  
 Co. (Chamols Watch) ...B  
**N. Y.—Matteawan**  
 New York Rubber Co. (Rub-  
 ber Hat) .....AA  
**New York City**  
 Abercrombie & Fitch, 314  
 B'way (Sleeping) .....C  
 American Railway Supply  
 Co. (Office Mail) .....X  
 Boyle & Co., John, 112  
 Duane (Office Mail; Feed;  
 Traveling) .....AA  
 Chelsea Jute Mills (Seam-  
 less) .....A  
 Collins, J. Ross, 197 West  
 (Jute; Cotton) .....D  
 Galewski, A., 90 Chambers  
 (Leather Mail) .....D  
 Crouch & Fitzgerald (Hand;  
 Tourists'; Traveling) ...A  
 Goodyear Rubber Co. (Rub-  
 ber; Sleeping; Gas; Ice;  
 Navy) .....AAAA  
 Gutta Percha & Rubber  
 Mfg. Co. (Rubber Hat;  
 Gas) .....AAAA  
 Hahn & Co., A. (Hand;  
 Traveling) .....B  
 Halstead & Co., E. S., 75  
 Pearl (Ballast; Burlap;  
 Cotton; Coffee; Flour;  
 Grain; Gunny; Hemp;  
 Jute) .....B

*We manufacture Bur-  
 lap and Cotton Bags of  
 every description, includ-  
 ing Grain, Flour, Cement,  
 Sugar, Fertilizer and  
 Coffee. Also Wool Sacks,  
 Ham, Bacon, Pork and  
 Shoulder Bags.*

*We make a specialty  
 of the manufacture of  
 Burlap and Cotton Beef  
 Bags; also Burlap and  
 Cotton Sheep Bags.*

*We deal also in second  
 hand Bags of every de-  
 scription, and can furnish  
 any bag that may be in-  
 quired for, either new or  
 second hand. We also  
 deal in Twine and Tar-  
 red Sisal.*

**BAGS (Con.)**

Hodgman Rubber Co. (Rubber; Confectioners'; Face; Gas; Ice; Navy; Sponge; Throat; Cartridge) ...AA  
 Hoffman-Corr Mfg. Co., 107 Duane .....AA  
 Ingersoll & Bro., R. H., 51 Maiden Lane (Punching) A

Johnson, F. Colt (Office Mail; Filter) .....A  
 Kent, Percy (Jute) .....A  
 Kurtz & Co., 2 Stone (Grain; Burlap) .....G  
 Lissa & Co., Henry (Hand; Tourists'; Traveling)...B

Livingston & Co., L. (Chatelaine) .....B  
 McHugh, John F. (Ballast; Feed) .....C  
 Matthews & Co. (Traveling) D

Mattson Rubber Co. (Rubber; Ice; Sponge) .....B  
 Mechanical Rubber Co. (Rubber Gas) .....AAAA  
 Meinecke & Co., 50 Park Pl. (Rubber) .....C  
 Peerless Rubber Mfg. Co. (Rubber Gas) .....AA  
 Plath & Son, Chas. (Live Fish) .....F

Rehm & Co., 141 Fulton (Feed) .....D  
 Smith, Worthington & Co. (Saddle) .....AA  
 Spalding & Bros., A. G. (Inc.) (Cartridge; Game; Punching) .....AAAA

Spencer Optical Co. (Opera Glass) .....C  
 Tingle, Brown & Co. (Sugar; Filter) .....D  
 Tonk & Bro., Wm., 452 10th Av. (Musical Inst.)....C

Von Lengerke & Deimold (Cartridge; Game) .....A  
 Walbridge & Co., J. H., 337 B'way (School) .....B

N. Y.—Portchester  
 Lane & Bro., W. T. (Coal; Coke) .....F

N. Y.—Rochester  
 Likly & Co., Henry (Traveling) .....A

N. Y.—Watertown  
 Taggart Bros. Co. (Flour; Cement Sacks) .....A

N. Y.—Yonkers  
 Van O'Linda Mfg. Co. (Coal) .....H  
 N. C.—Concord  
 Odell Mfg. Co. (Grain, &c.) C

N. C.—Durham  
 Golden Belt Mfg. Co. (Tobacco, &c.) .....AAA

N. C.—Franklinville  
 Franklinville Mfg. Co. (Seamless) .....B  
 N. C.—Randleman  
 Naomi Falls Mfg. Co. (Seamless Grain; Salt, &c.) .....D

N. C.—Wilmington  
 Willard Bag & Mfg. Co. (Burlap; Cotton) .....D

N. C.—Worthville  
 Worth Mfg. Co. (Seamless) X

**OHIO—Akron**  
 Akron Rubber Wks. (B. T. Goodrich Co.) (Rubber; Gas; Ice; Confectioners' Iceing) .....AAAA  
 Rubber Specialty Co. (Rubber) .....X

**OHIO—Canton**  
 Gilliam Mfg. Co. (Tool) ...A

**OHIO—Cincinnati**  
 Cincinnati Bag Co., 2d & Walnut (Cotton Seamless) C

King Mfg. Co., Front & Main (Cotton; Burlap, &c.) .....D

Raymond Bag Co., 317 John (Cotton) .....D

Seinsheimer Paper Co. (Hardware; Shaft Covering; Sugar; Bicycle Tool) B

**BAGS (Con.)**

**OHIO—Cleveland**  
 Adams Bag Co. (Burlap; Paper) .....A  
 Federal Mfg. Co. (Bicycle; Automobile Tool).....AAAA  
 Likly & Rockett (Traveling) B

**OHIO—Toledo**  
 Hettrick Bros. Co. (Cotton) B

**OREGON—Portland**  
 Ames & Harris (Inc.) (Grain, &c.) .....C  
 Noon Bag Co., W. C. (Grain, &c.) .....B

**PA.—Philadelphia**  
 Bailey & Co., John T., S. Water & Morris (Jute; Burlap) .....AAAA

Belber Trunk & Bag Co. (Traveling) .....B  
 Patterson, Holbfield Mfg. Co. (Knit School) .....C

Paxson Co., J. W. (Dusting) AA  
 Reach Co., A. J. (Punching) AA

Rumpp & Sons, C. F. (Opera Glass) .....AAA

Shipley, Malcolm A. (Live Fish) .....D  
 Weston & Wells Mfg. Co. (Knit. School) .....B

**PA.—Pittsburg**  
 Tarentum Paper Mills (Cement; Flour; Paper).AAA

**R. I.—Providence**  
 American Supply Co. (Bleeding) .....AA  
 Davol Rubber Co. (Rubber Gas; Ice; Throat) ....AA

**R. I.—Woonsocket**  
 Ray Cotton Co. (Seamless) AA

**S. C.—Charleston**  
 Royal Bag & Yarn Mfg. Co. (Seamless; Flour) ....A

**TENN.—Columbia**  
 Columbia Cotton Mill Co. (Grain; Seamless; Paper) A

**TENN.—Jackson**  
 Jackson Fibre Co. (Cotton Cloth) .....AAAA

**TENN.—Nashville**  
 Morgan & Hamilton Co. (Grain, &c.) .....A  
 Tennessee Mfg. Co. (Seamless; Grain; Cloth) ...D

**TEXAS—Sherman**  
 Sherman Cotton Mills (Seamless; Grain) ....B

**VA.—Petersburg**  
 Seward Trunk & Bag Co. (Hand) .....AA

**VA.—Richmond**  
 Millhiser & Co., M. (Tobacco) .....B

**WIS.—Milwaukee**  
 Abel & Bach Co. (Traveling; Club) .....AA  
 Carpeles Co. (Traveling) ..A  
 206 So. Water (Printed or Milwaukee Bag Co., Plain Cotton; Paper; Burlap; Fur; Flour; Grain; Sugar; Coffee; Seeds; Cement; Wool; Seamless Cotton Grain & 2nd hand) A

Western Bag Mfg. Co. ....F

**WIS.—Oshkosh**  
 Schmit Bros. Trunk Co. (Tourist; Traveling) ...A

**WIS.—Racine**  
 Secor Trunk Co., M. M. (Hand; School; Traveling; Tool) .....A

**WIS.—West Superior**  
 Lake Superior Bag Co. (Grain, &c.) .....AAAA

**BAGS (PAPER)**  
**CAL.—San Francisco**  
 Crown Paper Co., 707 Front A

**CONN.—Kensington**  
 American Paper Goods Co..B  
**GA.—Atlanta**  
 Atlanta Paper Co., 73 S Pryor .....A

**BAGS: PAPER (Con.)**

National Paper Co., 257-263  
Decatur .....C  
ILL.—Chicago  
Hollis & Duncan, 10 Mar-  
ket .....A  
Tarentum Paper Mills, 451  
5th Av. ....AAA  
Union Bag & Paper Co.  
AAAA  
Wheeler, Fisher & Co.,  
Fisher Bldg. ....C  
IND.—Elkhart  
Consolidated Paper & Bag  
Co. ....C  
IND.—Ft. Wayne  
Fisher Bros. ....A  
IND.—Indianapolis ..  
Capital Paper Co. ....A  
Indiana Paper & Bag Co. ....C  
IOWA—Rumford Falls  
Continental Paper Bag Co.  
AAA  
MD.—Baltimore  
Columbia Paper Bag Co. ....B  
Smith-Dixon Co. ....A  
Stevens' Bros., C. E. ....C  
MD.—Frederick  
Great Southern Printing &  
Mfg. Co., The .....C  
MASS.—Boston  
Continental Paper Bag Co.,  
406 Atlantic Av. ....AA  
Hollingsworth & Whitney  
Co., 60 India .....AAAA  
MO.—St. Louis  
Cupples Woodenware Co.,  
S. ....AAAA  
NEBR.—Omaha  
Marshall Paper Co. ....C  
N. J.—Jersey City  
Riegel Sack Co., 333 Wash-  
ington .....B  
N. Y.—Ballston Spa  
Union Bag & Paper Co.  
AAAA  
N. Y.—Canajoharie  
Arkell & Smith .....A  
N. Y.—Fulton  
Victoria Paper Mills Co. ....B  
N. Y.—Brooklyn  
Gair Co., Robt. ....AAAA  
Phoenix Paper Co. (Ltd.), 89  
John .....C  
New York City  
Bailey, Christopher, 320  
Broadway .....A  
Belden, M. B., 320 B'way. A  
Clochessy, John, 150 Worth  
C  
Columbia Paper Bag Co., 329  
Greenwich .....B  
Continental Paper Bag Co.,  
10 Battery Pl. ....AAA  
Consolidated Bag Co. ....B  
Hefferman Paper Co., 142  
Worth .....C  
Hollingsworth & Whitney  
Co., 309 B'way .....AAAA  
Union Bag & Paper Co., 1  
B'way .....AAAA  
Walton & Co., D. S., 132  
Franklin .....AAAA  
N. Y.—Sandy Hill  
Union Bag & Paper Co.  
AAAA  
N. Y.—Watertown  
Taggart Bros. Co. ....A  
N. Y.—Westfield  
Kent, Hermon L. ....C  
OHIO—Akron  
Cleveland-Akron Paper Co.,  
The .....AAAA  
OHIO—Chagrin Falls  
Adams Bag Co. ....A  
OHIO—Cincinnati  
Bowen, E., 120 E. 6th. ....B  
Chatfield & Woods Co., Cen-  
tral Av. & 4th. ....A  
Cincinnati (Gordage & Paper  
Co., 641 Main. ....B  
Curry Woodenware Co., 22  
E. 2d .....B  
Dirm & Wing Paper Co.,  
318 Elm .....AA  
Seinsheimer Paper Co., 1118-  
1122 Bank .....B  
OHIO—Cleveland  
Adams Bag Co., Caxton  
Bldg. ....A  
Cleveland Bag Factory, 86-  
100 Bank .....AAA  
Cleveland-Akron Paper Co.,

**BAGS: PAPER (Con.)**

652 B'way .....A  
Standard Bag & Paper Co.,  
540 Forest .....B  
OHIO—Dayton  
Aull Bros. Paper Co., 136  
W. 5th .....B  
Dayton Paper Novelty Co.,  
1st & Foundry .....C  
Kinnard Mfg. Co., Clinton  
& Bacon .....B  
Nixon & Costello Co. ....E  
Weston Paper & Mfg. Co. ....C  
OHIO—Lockland  
Fox Paper Co. ....A  
OHIO—Middletown  
Advance Bag Co., The. ....B  
Gardner-Colin Co. ....A  
Wardlow-Thomas Paper Co.  
AA  
OREGON—Oregon City  
Crown Paper Co. ....A  
OREGON—Portland  
Pacific Paper Co. ....B  
PA.—Philadelphia  
Boyer, Evans & Co., 502  
Commerce .....C  
Griswold, Wm. A., 7 N.  
Front .....C  
Haverstick & Son, A. ....D  
McDowell Paper Mills. ....B  
Royal & Co., Thos. M., 3d  
& Locust .....B  
Silvers, Frank, 1712 N.  
Camac .....A  
Spangler & Co., E. J., 507  
Ludlow .....C  
Wilson's Sons Co., Henry L.,  
43 N. 3d .....C  
PA.—Pittsburg  
Tarentum Paper Mills, 1019  
Liberty Av. ....AAA  
PA.—Reading  
Hercules Paper Bag Co.,  
The .....C  
PA.—Tarentum  
Tarentum Paper Mills. AAA  
TENN.—Memphis  
Memphis Paper Co. ....C  
TENN.—Nashville  
Morgan & Hamilton Co. ....A  
VA.—Richmond  
Eagle Paper Co. ....C  
Wortendyke Mfg. Co. ....B  
W. VA.—Wellsburg  
George Co., S. ....A  
WIS.—Superior  
Lake Superior Bag Co.  
AAAA

**BAIT**

See Fishing Tackle

**BAKERS****CRACKERS, ETC**

ALA.—Birmingham  
Birmingham Baking Co.  
(National Biscuit Co.)  
AAAA  
ALA.—Montgomery  
Dreyfus Bros. Cracker Co.  
B  
CAL.—Los Angeles  
Bishon & Co. ....AA  
Pacific Coast Biscuit Co.  
AA  
Southern California Cracker  
Co. ....B  
CAL.—Oakland  
Standard Biscuit Co. ....B  
CAL.—Sacramento  
American Biscuit Co. ....AA  
Pacific Coast Biscuit Co.  
AA  
Sacramento Cracker Co. ....C  
CAL.—San Francisco  
American Biscuit Co., Bat-  
tery & B'way .....AAA  
Eagle Cracker & Biscuit Co.,  
Mission & 11th .....C  
Mutual Biscuit Co., 610 Bat-  
tery .....B  
Pacific Coast Biscuit Co.,  
2d & Folsom .....AA  
Standard Biscuit Co., 701  
Front .....B  
COLO.—Denver  
Continental Biscuit Co. ....B  
Crocker Bakery (Natl. Bis-  
cuit Co.) .....AAAA  
COLO.—Pueblo

**BAKERS (Con.)**  
 Natl. Biscuit Co. (Branch Chicago, Ill.) .....AAAA  
**CONN.—Bridgeport**  
 Wallace & Son, A. W. ....A  
**CONN.—Hartford**  
 Parks-Savage Bakery (Natl. Biscuit Co.) .....AAAA  
**CONN.—Manchester**  
 Eastern Biscuit Co. ....A  
**CONN.—New Haven**  
 New Haven Bakery (Natl. Biscuit Co.) .....AAAA  
**CONN.—New London**  
 Boss & Son, C. D. ....AA  
**CONN.—Waterbury**  
 Natl. Biscuit Co. (Branch Chicago, Ill.) .....AAAA  
 Trott Baking Co. ....C  
**D. C.—Washington**  
 Havenner Baking Co., 472 C. N. W. ....AA  
 National Biscuit Co. (Br. Chicago, Ill.), 616 E. N. W. ....AAAA  
**GA.—Atlanta**  
 Block Co., F. E. ....AA  
 Lewis, T. S. ....B  
**GA.—Augusta**  
 Claussen, H. H. ....C  
**GA.—Macon**  
 Winn-Johnson Co. ....C  
**GA.—Savannah**  
 Solomon & Son, H. ....AA  
**ILL.—Aurora**  
 Mason Factory (Natl. Biscuit Co.) .....AAAA  
**ILL.—Chicago**  
 Brenner, D. F. (Natl. Biscuit Co.), 76 O'Brien .....AAAA  
 Bryce Baking Co., 22 N. Lincoln .....A  
 Durand & Kasper Co., 153 W. Lake .....AAA  
 Kennedy Bakery (Natl. Biscuit Co.) .....AAAA  
 McMahon Cracker & Biscuit Co., 46 S. Green. ....B  
 Moody & Waters Co., 283 W. Congress (Whol. Pies) .B  
 Natl. Biscuit Co., 205 La Salle .....AAAA  
 Schmidt Baking Co., 75 Clybourn Av. ....A  
**ILL.—Decatur**  
 Decatur Bakery (Natl. Biscuit Co.) .....AAAA  
**ILL.—Peoria**  
 Natl. Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
 Thomas & Clarke .....A  
**IND.—Evansville**  
 Marsh-Scantelln Bakery (Natl. Biscuit Co.) .AAAA  
**IND.—Fort Wayne**  
 Fox Bakery (Natl. Biscuit Co.) .....AAAA  
 Perfection Biscuit Co. ....B  
**IND.—Indianapolis**  
 Bryce Baking Co. ....B  
 Century Biscuit Co. ....B  
 Hitz Bakery (Natl. Biscuit Co.), 150 Virginia. ....AAAA  
 Natl. Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
 Parrott-Taggart Bakery (Natl. Biscuit Co.), 131 S. Penn. ....AAAA  
 Home Cracker Co. ....B  
 Lafayette Cracker & Confect. Co., Inc. ....B  
**IND.—Richmond**  
 Natl. Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
**IND.—Terre Haute**  
 Miller Bakery (Natl. Biscuit Co.) .....AAAA  
**IOWA—Burlington**  
 Natl. Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
**IOWA—Cedar Rapids**  
 Continental Biscuit Co. ....B  
**IOWA—Clinton**  
 Item & Sons, L. (Inc.) ....C  
**IOWA—Davenport**  
 Crescent Macaroni & Cracker Co. ....C  
**IOWA—Des Moines**  
 Continental Biscuit Co. ....A  
 Des Moines Baking Co. ....B  
 National Biscuit Co. (Br.

**BAKERS (Con.)**  
 Chicago, Ill.) .....AAAA  
**IOWA—Dubuque**  
 Albee Bakery (Natl. Biscuit Co.) .....AAAA  
**IOWA—Sioux City**  
 National Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
**KY.—Louisville**  
 U. S. Bakery (Natl. Biscuit Co.) .....AAAA  
**LA.—New Orleans**  
 Continental Biscuit Co., 516 S. Peters .....A  
 Langles Factory (Amer. Biscuit Co.) .....AA  
 Reiss Co., J. J., 423 Decatur .....B  
**MAINE—Auburn**  
 Huston & Co., T. A. ....B  
**MAINE—Bangor**  
 Bangor Biscuit Co. ....B  
 National Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
**MAINE—Portland**  
 Shaw & Co., G. C. ....B  
**MD.—Baltimore**  
 Baltimore Biscuit Co., 412 W. German .....B  
 Maryland Biscuit Co., 516 S. Charles .....A  
 Mason Bakery (Natl. Biscuit Co.), 17 E. Pratt .....AAAA  
 Stiltman Bakery (Natl. Biscuit Co.) .....AAAA  
**MASS.—Boston**  
 Austin, Young & Co., 116 Commercial .....AA  
 Potter & Wrightington, 60 Commercial .....AA  
 U. S. Bakery (Natl. Biscuit Co.) .....AAAA  
**MASS.—Brockton**  
 National Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
 Washburn & Co., F. B. ....A  
**MASS.—Cambridge**  
 National Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
**MASS.—Chelsea**  
 Austin, Young & Co. ....AA  
**MASS.—Lawrence**  
 Bruce Bakery (Natl. Biscuit Co.) .....AAAA  
**MASS.—Milton**  
 Bent & Co. (Natl. Biscuit Co.) .....AAAA  
**MASS.—New Bedford**  
 Snell Bakery (Natl. Biscuit Co.) .....AAAA  
**MASS.—Newburyport**  
 Pearson & Son (Natl. Biscuit Co.) .....AAAA  
**MASS.—North Adams**  
 Clark & Co., H. W. ....AA  
**MASS.—Pittsfield**  
 Teeling Bakery (Natl. Biscuit Co.) .....AAAA  
**MASS.—Springfield**  
 Carr Bakery (Natl. Biscuit Co.) .....AAAA  
 Natl. Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
**MASS.—Worcester**  
 Natl. Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
 Natural Food Co. (Br. Niagara Falls, N. Y.) .AAAA  
**MICH.—Bay City**  
 Whitney-Plum Bakery (Natl. Biscuit Co.) .AAAA  
**MICH.—Detroit**  
 Haste-Harris Bakery (Natl. Biscuit Co.), 9 Orchard .....AAAA  
 Kruce & Co., E. J., 243 Lafayette .....C  
 Vail-Crane Bakery (Natl. Biscuit Co.), 40 Woodbridge E .....AAAA  
**MICH.—Grand Rapids**  
 Sears Bakery (Natl. Biscuit Co.) .....AAAA  
**MICH.—Jackson**  
 National Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
**MICH.—Lansing**  
 Hammell Cracker Co. ....B  
**MICH.—Saginaw**  
 National Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
**MINN.—Duluth**

**BAKERS (Con.)**

Duluth Cracker Bakery  
 Stolzenbach Bakery (Br.  
 (Natl. Biscuit Co.).AAAA  
**MINN.—Minneapolis**  
 Biscuit Co.'s Works, 17  
 S. 8d .....A  
 Kennedy Agency (Natl.  
 Biscuit Co.).....AAAA  
 Lillibridge Bremner Factory  
 (Natl. Biscuit Co.), 15  
 S. 8d. ....AAAA  
 National Biscuit Co. (Br.  
 Chicago, Ill.) .....AAAA  
**MINN.—St. Paul**  
 Griggs, Cooper & Co., 242  
 E. 3d .....AAAA  
 National Biscuit Co. (Br.  
 Chicago, Ill.) .....AAAA  
**MINN.—St. Peter**  
 St. Peter Biscuit Co.....C  
**MINN.—Wadena**  
 Wadena Cracker Co. ....C  
**MO.—Kansas City**  
 Loose-Wiles Cracker &  
 Candy Co., 8th & Santa  
 Fe .....AAA  
 Loose Bros. Factory (Natl.  
 Biscuit Co.), 200 Main  
 ....AAAA  
**MO.—St. Louis**  
 Bayle, Geo. A., 113 S. 2d.B  
 Columbia Biscuit Co.,  
 Papin & 14th.....AA  
 Columbia Pretzel & Bakery  
 Co., 1721 De Kalb.....C  
 Dosier Bakery (Natl. Bis-  
 cuit Co.), Morgan & 16th  
 ....AAAA  
 Manewal-Lange Biscuit Co.,  
 Clark Av. & 15th.....A  
 Pfenniger Pretzel & Bakery  
 Co., 1409 S. 8th.....C  
 St. Louis Cracker Co., 1815  
 Chouteau Av. ....C  
 Union Biscuit Co., 1106  
 No. 6th .....B  
**MONT.—Helena**  
 National Biscuit Co. (Br.  
 Chicago, Ill.) .....AAAA  
**NEBR.—Lincoln**  
 Jones-Douglas Bakery (Natl.  
 Biscuit Co.) .....AAAA  
**NEBR.—Omaha**  
 National Biscuit Co. (Br.  
 Chicago, Ill.) .....AAAA  
**N. H.—Concord**  
 Norris & Co., J. C.....A  
**N. J.—Cape May**  
 Cape May Baking Co....C  
**N. J.—Newark**  
 Longstreet, Morton & Mit-  
 chell, 81 Mt. Prospect Av.  
 ....AA  
 Manhattan Biscuit Co., 84  
 Brunswick .....A  
 Medlar Co., A. J., Ltd....B  
 Mulford & Althen Bakery  
 (Natl. Biscuit Co.) 265  
 Mt. Pleasant Av. ....AAAA  
 Newark Bakery (Natl. Bis-  
 cuit Co.), 30 Lombardy  
 ....AAAA  
**N. J.—Trenton**  
 Exton & Co., A.....AA  
 Original Trenton Cracker  
 Co. ....C  
**N. Y.—Albany**  
 Larrabee Bakery (Natl.  
 Biscuit Co.) .....AAAA  
**N. Y.—Binghamton**  
 National Biscuit Co. (Br.  
 Chicago, Ill.) .....AAAA  
**N. Y.—Brooklyn**  
 National Biscuit Co. (Br.  
 Chicago, Ill.), 42 Fulton  
 ....AAAA  
**N. Y.—Buffalo**  
 Faxon, Williams & Faxon.A  
 Niagara Bakery (Natl. Bis-  
 cuit Co.) .....AAAA  
 Ovens Bakery (Natl. Bis-  
 cuit Co.) .....AAAA  
**N. Y.—Canandaigua**  
 Continental Baking Co..AA  
 Greives, Alex. ....B  
**N. Y.—Jamestown**  
 Jamestown Bakery (Natl.  
 Biscuit Co.) .....AAAA  
**N. Y.—Lansingburgh**  
 Fox Cracker Bakery (Natl.  
 Biscuit Co.) ....AAAA  
 New York City

**BAKERS (Con.)**

Bowery .....B  
 Boss & Son, C. D. (Br. New  
 London, Conn.), 59 Gans-  
 voort .....AA  
 Clark, S. B., 496 Grand..A  
 Consumers Biscuit & Mfg.  
 Co., 517 W. 19th.....C  
 Continental Biscuit Co., 300  
 South .....B  
 Goodman & Son, 638 E.  
 17th .....C  
 Manhattan Biscuit Co., 384  
 Greenwich .....A  
 National Biscuit Co. (Br.  
 Chicago, Ill.), 469 West  
 ....AAAA  
 Plasmon Co. of America,  
 116 Broad .....AA  
**N. Y.—Niagara Falls**  
 Natural Food Co.....AAAA  
**N. Y.—Ogdensburg**  
 Ogdensburg Bakery (Natl.  
 Biscuit Co.) .....AAAA  
**N. Y.—Poughkeepsie**  
 Poughkeepsie Cracker Co.,  
 (Natl. Biscuit Co.).....AAAA  
**N. Y.—Rochester**  
 Anthony Bakery (Natl. Bis-  
 cuit Co.) .....AAAA  
 Deininger Bros. ....B  
 National Biscuit Co. (Br.  
 Chicago, Ill.) .....AAAA  
**N. Y.—Syracuse**  
 Grassman Bros. Bakery  
 (Natl. Biscuit Co.).....AAAA  
**N. Y.—Utica**  
 Holmes Coutts Larrabee  
 Agency (Natl. Biscuit  
 Co.) .....AAAA  
 Young, Geo., Bakery.....B  
**N. Y.—Watertown**  
 Nill & Jess .....A  
**OHIO—Akron**  
 Akron Bakery (Natl. Biscuit  
 Co.) .....AAAA  
**OHIO—Cincinnati**  
 Achor Bakery (Natl. Biscuit  
 Co.), 456 E. 6th....AAAA  
 Banner Baking Co. (Simon  
 & Well) .....C  
 Kroger Grocery & Baking  
 Co., 43 Vine.....AA  
 Langdon Bakery (Natl. Bis-  
 cuit Co.), 323 Lock  
 ....AAAA  
 Muth Bakery (Natl. Biscuit  
 Co.), 411 Richmond.AAAA  
 National Biscuit Co. (Br.  
 Chicago, Ill.) .....AAAA  
 Strictman's Sons Co., 12th  
 & Plum .....B  
**OHIO—Cleveland**  
 Cleveland Bakery (Natl.  
 Biscuit Co.) .....AAAA  
 Ohio Bakery Co., 768 Su-  
 perior .....AA  
 R. B. Biscuit Co., 117  
 Bridge .....A  
 Robinson Bakery (Natl. Bis-  
 cuit Co.), 117 Bridge  
 ....AAAA  
**OHIO—Columbus**  
 Coleman & Co. ....C  
 Columbus Baking Co.....B  
 Felber Co. ....C  
 National Biscuit Co. ....AAAA  
**OHIO—Kenton**  
 Kenton Cracker Co.....B  
**OHIO—Mansfield**  
 Crawford-Taylor Bakery  
 (Natl. Biscuit Co.)  
 ....AAAA  
**OHIO—Marysville**  
 Marysville Candy Co.....C  
**OHIO—Newark**  
 Welant Bakery (Br. Natl.  
 Biscuit Co.) .....AAAA  
**OHIO—Springfield**  
 Springfield Bakery (Br.  
 Natl. Biscuit Co.).....AAAA  
**OHIO—Toledo**  
 Maumee Valley Baking Co.  
 ....C  
 National Biscuit Co. (Br.  
 Chicago, Ill.) .....AAAA  
 Toledo Biscuit Co., George  
 & Locust Sts. ....A  
 United Baking Co.....B  
**OHIO—Youngstown**  
 Peyton Cracker Co., A. A..B  
**OHIO—Zanesville**



**BAKERS (Con.)**

Anger Baking Co., 79  
Natl. Biscuit Co.).....AAAA  
**OREGON**—Portland  
Bishop & Co. (Br. Los Angeles, Cal.) .....AA  
Pacific Coast Biscuit Co. ....AA  
**PA.**—Allegheny  
Herd Bakery (Natl. Biscuit Co.) .....AAAA  
Maginn & Co., E.....AA  
National Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
**PA.**—Chester  
Keebler-Weyl Baking Co..A  
**PA.**—Erie  
Sands Bakery (Natl. Biscuit Co.) .....AAAA  
**PA.**—Philadelphia  
Colonial Biscuit Co., 209 N. 19th .....A  
Ivins Son, J. S., 625 No. Broad .....AA  
Keebler-Weyl Baking Co., 258 N. 22d.....A  
Medlar Co., A. J., 1434 Fairmount Av. ....B  
National Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
Phila. Steam Bakery (F. Burns, Prop.), 118 N. 22d .....A  
U. S. Biscuit Co., 1029 Ridge Av. ....C  
**PA.**—Pittsburg  
Hardie Bakery (Natl. Biscuit Co.), 16th & Liberty Av. ....AAAA  
Marvin Bakery (Natl. Biscuit Co.), 421 Liberty Av. ....AAAA  
National Biscuit Co. (Br. Chicago, Ill.), 1004 Penn. Av. ....AAAA  
Pittsburg Baking Co.....B  
Ward, Mackay Co., 3212 Liberty Av. ....A  
**PA.**—Pittston  
Hitchner's Bakery (Natl. Biscuit Co.) .....AAAA  
**PA.**—Reading  
National Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
**PA.**—Scranton  
Kelly, M. J. ....C  
National Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
Niagara Baking Co. (Natl. Biscuit Co.) .....AAAA  
Pennsylvania Baking Co..C  
**PA.**—Wilkesbarre  
Carr, J. B. ....C  
**PA.**—Williamsport  
Williamsport Bakery (Natl. Biscuit Co.) .....AAAA  
**PA.**—York  
Stauffer, D. F. ....A  
York Cracker Bakery (Natl. Biscuit Co.) .....AAAA  
**R. I.**—Providence  
Rice & Hayward .....A  
**S. C.**—Charleston  
Claussen & Co., J. O. H., 34 Market .....B  
Margenhoff, O. G. ....C  
**TENN.**—Chattanooga  
Mountain City Milling Co. ....A  
**TENN.**—Memphis  
National Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
**TENN.**—Nashville  
Kemker Woolwine Candy & Cracker Co. ....B  
National Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
**TEXAS**—Fort Worth  
Ft. Worth Candy & Cracker Co. (Natl. Biscuit Co. ....AAAA  
**TEXAS**—Galveston  
National Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
**UTAH**—Salt Lake City  
National Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
**VT.**—Burlington  
Arbuckle Co. ....B  
Burlington Bakery (Natl. Biscuit Co.) .....AAAA  
**VT.**—Montpelier

**BAKERS (Con.)**

Cross & Co., C. H.....B  
**VT.**—Rutland  
Hoag Bakery (Natl. Biscuit Co.) .....AAAA  
**VT.**—White River Junction  
Smith & Son.....B  
**VA.**—Alexandria  
Gill Bakery (Natl. Biscuit Co.) .....AAAA  
**VA.**—Richmond  
Harrelson & Co., T. A...B  
National Biscuit Co. (Br. Chicago, Ill.) .....AAAA  
Southern Biscuit Works...B  
**WASH.**—Seattle  
American Biscuit Co. (Br. San Fran., Cal.).....AAA  
Pacific Coast Biscuit Co. ....AA  
Portland Cracker Co.....AA  
Seattle Candy & Cracker Co. ....C  
Superior Cracker & Candy Co. ....C  
**WASH.**—Spokane  
Inland Cracker Co.....C  
Washington Cracker Co...B  
**WASH.**—Tacoma  
Pacific Coast Biscuit Co..AA  
**W. VA.**—Wheeling  
Wheeling Bakery (Natl. Biscuit Co.) .....AAAA  
**WIS.**—Green Bay  
Annen Candy & Biscuit Co. ....C  
**WIS.**—La Crosse  
La Crosse Cracker & Candy Co. ....B  
**WIS.**—Milwaukee  
Carpenter Underwood Factory, (Natl. Biscuit Co.), 518 Grand Av. ....AAAA  
Johnston Bros. Factory (Natl. Biscuit Co.).....AAAA  
Johnston & Co., Robt., Florida & Clinton .....AA  
**WIS.**—Watertown  
Woodward & Stone Co....A  
**BALANCES**  
**COLO.**—Denver  
Ainsworth & Sons, Wm. (Assay; Chemical) ....B  
Smith & Thompson (Assaying) .....D  
**CONN.**—Bridgeport  
Bridgeport Brass Co. (Spring) .....AAA  
**CONN.**—New Britain  
Landers, Frary & Clark (Spring) .....AAA  
**CONN.**—Southington  
Peck, Stow & Wilcox Co. (Assay; Spring) ...AAAA  
**ILL.**—Chicago  
American Cutlery Co. (Spring) .....AA  
Coleman Hardware Co., 59 Dearborn (Sash) .....A  
Fairbanks, Morse & Co. (Butchers' & Jewelers') .....AAAA  
Gardner Sash Balance Co., 166 Dearborn (Sash) ..C  
Pelouze Scale & Mfg. Co. (Spring) .....C  
**MASS.**—Boston  
Star Brass Mfg. Co. (Locomotive Spring) .....A  
**N. J.**—Newark  
National Lock Washer Co. (Sash) .....B  
**N. Y.**—Buffalo  
Buffalo Scale Co. (Butchers') .....AA  
**N. Y.**—New Rochelle  
Becker Bros. (Assaying; Jewelers') .....D  
New York City  
Ashcroft Mfg. Co., 85 Liberty (Locomotive Spring).A  
Becker, Christian, 5 Maiden Lane (Assaying) .....D  
Chatillon & Sons, John, 85 Cliff (Butchers'; Spring) ....A  
Eimer & Amend, 205 3rd Av. (Assaying) .....AA  
Fairbanks Co., 416 Broome (Assaying) .....AAAA  
Forschner & Sons, Ohas. (Butchers'; Spring) ....X  
Kohlbusch, Herman, 194

**BALANCES (Con.)**

B'way (Bullion; Assaying; Jewelers') .....C  
 Sargent & Co., 151 Leonard (Spring) .....AAAA  
**N. Y.—Rochester**  
 Caldwell Sash Balance Co. (Ship; Sash) .....C  
 Pullman Sash Balance Co. (Bicycle; Car & Spring Sash; Show & Wall Case) .....B

Streeter & Co., N. R. (Spring Sash) .....A  
**N. Y.—Syracuse**  
 Stearns & Co., E. C. (Sash) .....AA

**OHIO—Cincinnati**  
 Schriver & Co., O. P. (Sash) .....B

**PA.—Jersey Shore**  
 American Balance Slide Valve Co. (Slide Valve) D

**PA.—Philadelphia**  
 North Bros. Mfg. Co. (Spring) .....AA  
 Queen & Co., 1010 Chestnut (Assaying) .....A  
 Troemmer, Henry, 710 Market (Assaying) .....AAA  
 Thomas Co., A. H., 12th & Walnut (Assaying) .....B

**PA.—Pittsburg**  
 Scientific Materials Co. ..C

**BALCONIES**

**ILL.—Chicago**  
 Braumveller & Son, Henry (Iron) .....B

**MICH.—Detroit**  
 Bolles Iron & Wire Wks., J. E. (Arch'd Iron) .....D  
**New York City**

Fiske Iron Works, J. W. (Iron) .....B

**OHIO—Akron**  
 Burger Iron Co. (Iron) ..C

**OHIO—Cleveland**  
 Van Dorn Iron Wks. Co. (Iron) .....AA

**OHIO—Wapakoneta**  
 Wapakoneta Machine Co. (Telephone) .....C

**BALLAST**

**CONN.—New Haven**  
 Connecticut Trap Rock Quarries (Railroad) ...B

**N. J.—Jersey City**  
 Williams & Son, E. A. (Lead) .....AA

**New York City**  
 U. S. Foundry Co. (Lead) F

**OHIO—Columbus**  
 Franklin Stone Co. (Railroad) .....C

**PA.—Harrisburg**  
 Walton Quarries (Blue Limestone) .....E

**PA.—So. Bethlehem**  
 General Crushed Stone Co. (Railroad) .....A

**PA.—Tyrone**  
 American Lime & Stone Co. (Railroad) .....AAAA

**TEXAS—El Paso**  
 El Paso Ice & Refrigerator Co. (Railroad) .....A

**WIS.—Kenosha**  
 Davy Burnt Clay Ballast Co. (Railroad) .....A

**BALLERS**

**ILL.—Quincy**  
 Ertel, George, Co. (Steel) A

**MASS.—Lowell**  
 Entwistle Co., T. C. ....B

**OHIO—Miamisburg**  
 Hoover & Gamble Co. ....B

**BALLOONS**

**New York City**  
 American Flag Co., 45 Elizabeth (Toy; Paper) ...A

Behrend & Rothschild, 855 Broadway (Rubber) ...B  
 Detwiler & Street Fireworks Mfg. Co. (Toy; Paper) .A

**OHIO—Akron**  
 Faultless Rubber Co. (Rubber Air) .....AA

**BALLOONS (Con.)**

**OHIO—Cincinnati**  
 Due Fireworks Co., A. L. (Paper) .....C

**BALLOTS**

**MICH.—Port Huron**  
 Tunnel City Regalia Co. ...D

**BALLS**

**CONN.—Bridgeport**  
 Baumann Rubber Co. (Rubber) .....C

Canfield, H. O. (Fuller Rubber) .....B

Cornwall & Patterson Mfg. Co. (Base) .....AA  
 Ives & Williams Co. (Base) C

**CONN.—Meriden**  
 Meridan Britania Co. (Tea) .....AAAA

**CONN.—Mount Carmel**  
 Woodruff & Sons Co., Walter W. (Ox) .....A

**CONN.—New Britain**  
 Corbin, P. & F. (Ox) AAAA

**CONN.—Southington**  
 Peck, Stow & Wilcox Co. (Ox) .....AAAA

**CONN.—Wallingford**  
 Wallace & Sons Mfg. Co. (Tea) .....AAAA

**ILL.—Chicago**  
 Ball & Bro. A. (Billiard; Pool) .....AA

Chicago Sporting Goods Mfg. Co., 128 Jefferson (Foot; Base) .....B

Excelsior Supply Co. (Steel) A  
 Steel Ball Co., 840 Austin Av. (Steel) .....A

**IND.—Indianapolis**  
 Federal Mfg. Co. (Tool Steel) .....D

**MAINE—Bangor**  
 Hathorn Mfg. Co. (Steel) .E

**MASS.—Boston**  
 Boston Gear Works, 152 Purchase (Steel, for bearings) .....B

Boston & Lockport Block Co. (Ten Pin) .....A  
 Davidson Rubber Co. (Golf) A

Harvey, Henry H. (Granite Work Sets) .....D

Wright & Ditson (Inc.) (Foot) .....AA

**MASS.—Fitchburg**  
 Simonds Rolling Machine Co. (Steel for Bearings) ...A

**MASS.—Lowell**  
 Woode, Sherwood & Co. (Tea) .....E

**MASS.—Natick**  
 Harwood & Son, H. (Base) A

**MASS.—Worcester**  
 National Mfg. Co. (Tea) .A  
 Wyman & Gordon (Steel; Unfinished) .....D

**MICH.—Detroit**  
 Schultenbergs Mfg. Co. (Billiard; Pool; Tenpin) ...C

**MICH.—Port Huron**  
 Draper Mfg. Co. (Brass; Hollow Brass; Steel) ..D

**MINN.—St. Paul**  
 Union Brass & Metal Mfg. Co. (Float) .....A

**N. J.—Newark**  
 Sommer's Sons, John (Tenpin) .....A

Strieby & Foote Co. (Grinding Machine) .....B

**N. J.—Trenton**  
 Stokes Rubber Co., Jos. (Float Pump) .....A

**N. Y.—Albany**  
 Albany Billiard Ball Co. (Billiard; Pool) .....C

**N. Y.—Binghamton**  
 Sportsmen's Supply Co. (Foot) .....C

**N. Y.—Buffalo**  
 Excelsior Machine Co. (Steel; for Bearings; Aluminium; Brass) .....C

**New York City**  
 Blanchard & Co. (Earring) D

**BALLS (Con.)**

Bogert & Hopper, 162 William (Ten Pin) .....B  
 Brecher Co., E. A., 95 Reade (Steel) .....E  
 Brunswick Balke-Collender Co. (Billiard; Pool; Ten-pin) .....AAAA  
 Dayton & Co., G. S. 76 Nassau (Base; Foot) .1)  
 Dillingham, Wm. G. (Ten Pin) .....C  
 Estes & Son, E. B., 45 John (Wood; Ten Pin) .....A  
 Goodyear Rubber Co. (Foot; Rubber) .....AAAA  
 Goodyear's India Rubber Glove Mfg. Co., 503 B'way (Foot; Rubber) .....AAAA  
 Grote & Co., F. (Billiard; Pool; Ten Pin) .....D  
 Hartley Co., M. (Base) .A  
 Hoe & Co., R. (Inking) .....AAAA  
 Hodgman Rubber Co., 806 Broadway (Foot; Rubber) .....AA  
 Horsman, E. J. (Base) ...C  
 Ingersoll & Bro., R. H., 51 Maiden Lane (Foot) ...A  
 Kaldenberg Importing & Trading Co. (Billiard; Pool) .....D  
 New York Rubber Co., 84 Reade (Rubber; Valve) .....AA  
 N. Y. Sporting Goods Co., 61 Nassau (Foot; Base) C  
 Russel & Erwin Mfg. Co., 43 Chamber (Ox) .AAAA  
 Sargent & Co., 151 Leonard (Ox) .....AAAA  
 Shardlow, Joseph, 116 Fulton (Ten Pin; Billiard; Pool) .....D  
 Spalding & Bros., A. G. (Inc.) 126 Nassau (Base; Foot) .....AAAA  
**OHIO—Akron**  
 Faultless Rubber Co. (Rubber) .....AA  
 Goodrich Co., B. F. (Foot; Golf; Rubber) .....AAAA  
 Whitman & Barnes Mfg. Co. (Fuller Rubber; Ox; Golf; Valve) .....AAAA  
**OHIO—Cincinnati**  
 Edwards Mfg. Co. (Half; Copper; Zinc) .....C  
 Goldsmith's Sons, P. (Base; Basket; Foot) .....D  
**OHIO—Cleveland**  
 Cleveland Ball & Screw Co. "The Arcade" (Tool Steel) E  
 Reseck Machine Tool Co., 227 St. Clair (Steel) ...H  
**OHIO—Dayton**  
 Crawford, McGregor & Canby Co. (Ten Pin) ....AA  
**PA.—Aliquippa**  
 Vulcan Crucible Steel Co. (Steel) .....B  
**PA.—Philadelphia**  
 Reach Co., A. J. Tulip & Palmer (Base; Foot) AA  
 Shite & Co., J. D. (Base) D  
**PA.—Pittsburg**  
 Armstrong Cork Co. (Cork) .....AAAA  
 Wormser Glass Co. (Glass) X  
**PA.—Reading**  
 Reading Hardware Co. (Ox) .....AAAA  
**PA.—Williamsport**  
 Darling Pump & Mfg. Co. (Ltd.) (Brass) .....B  
**R. I.—Pawtucket**  
 Fuller & Son, Geo. H. (Ear-ring) .....A  
**R. I.—Providence**  
 American Ball Co. (Steel) D  
 American Enamel Co. (Plain & Enameled Wood-en) .....C  
 Davol Rubber Co. (Rubber) .....AA  
 Narragansett Machine Co. (Ten Pin) .....A  
 Wall & Co., A. T. (Seamless; Hollow) .....C

**BALSAM**

ILL.—Chicago  
 Hamlins Wizard Oil Co. .B  
**MASS.—Boston**  
 Fowle & Sons, Seth W. .B  
**MASS.—New Bedford**  
 Ashley, A. Davis (Honey).C  
**OHIO—Newark**  
 Styron—Beggs Co. (Cough) A

**BALUSTERS**

AND

**BALUSTRADES**

CAL.—San Francisco  
 Wilson & Bros. (Inc.) .AA  
**GA.—Savannah**  
 Southern Pine Co. of Georgia AAA  
**KY.—Covington**  
 Ohio Scroll & Lumber Co. (Twisted Stair) .....D  
**MO.—St Louis**  
 Huttig Sash & Door Co. .A  
**N. Y.—Binghamton**  
 Roberson & Son, A. ...AA  
**N. Y.—Buffalo**  
 Elias & Bro., G. ....AA  
 New York City  
 Fischer & Bro. Co. ....B  
**OHIO—Salem**  
 Mullins H. H. (Copper; Zinc) .....A  
**PA.—Pittsburg**  
 Murphy Mill & Lumber Co. A  
**PA.—Union City**  
 Novelty Wood Wks. ....B  
**S. C.—Spartanburg**  
 Morgan Iron Works .....D  
**WIS.—Milwaukee**  
 Willer Mfg. Co. ....A

**BAMBOO GOODS**

See Furniture

**BANDAGES**

CONN.—New Haven  
 Seamless Rubber Co. (Surgical) .....AA  
**ILL.—Chicago**  
 Bauer & Black (Suspensory) A  
 Common Sense Truss Co. (Suspensory) .....D  
 Sharp & Smith (Cotton and Silk Elastic) .....B  
**MASS.—Andover**  
 Tyler Rubber Co. (Elastic) AA  
**MASS.—Boston**  
 Davidson Rubber Co., 19 Milk (Elastic) .....A  
 Hub Gore Makers (Elastic) A  
**N. Y.—Lockport**  
 Empire Mfg. Co. (Surgical; Elastic) .....A  
 New York City  
 Goodyear Rubber Co. (Surgical) .....AAAA  
 Goodyears India Rubber Glove Mfg. Co. (Surgical) .....AAAA  
 Hodgman Rubber Co., 806 Broadway (Surgical; Rubber) .....AA  
 Kny-Scheerer Co., 225 4th Av. (Abdominal) .....C  
 Mattson Rubber Co. (Elastic) .....B  
 Parker, Stearns & Sutton (Gum) .....B  
 Seabury & Johnson (Surgical) .....AA  
 Traun Rubber Co. (Elastic) E  
 Wetmore Co., S. H., 240 Pearl St. (Suspensory).D  
**N. Y.—Syracuse**  
 Wells Mfg. Co., A. J. (Surgical) .....D  
**OHIO—Akron**  
 Akron Rubber Wks. (B. E. Goodrich Co.,) (Surgical; Gum) .....AAAA  
**PA.—Philadelphia**  
 Flavel & Bro., G. W. (Sur-

**BANDAGES (Con.)**

gical; Elastic; Suspensory) **A**  
 Horn & Bro., Wm. H. (Elastic; Suspensory) ..... **B**  
 Kendrick James R. "Germantown" (Suspensory) ..... **E**  
 Perry, Fergus (Suspensory) ..... **D**  
 Philadelphia Truss Co., (Elastic & Suspensory) ..... **X**  
 Seeley, Isaac B. (Suspensory) ..... **F**  
**PA.—Pittsburg**  
 Feick Bros. (Suspensory) ..... **D**  
**R. I.—Providence**  
 Davol Rubber Co. (Elastic) ..... **AA**

**BANDANAS**

See Handkerchiefs

**BANDINGS**

**CONN.—Middletown**  
 Russell Mfg. Co. (Cotton; Spindle) ..... **AAAA**  
**CONN.—Moodus**  
 Undine Twine Mills (A. E. Purple, Prop.) (Sail) ..... **A**  
**CONN.—Norwich**  
 Ossawan Mills Co. (Braided) ..... **B**  
**CONN.—Westport**  
 Lees Mfg. Co. (Cotton) ..... **A**  
**MD.—Baltimore**  
 Hopper & Sons, Wm. E. (Cotton) ..... **AAAA**  
**MASS.—Fall River**  
 Covell & Osborn Co., 139 Pleasant (Braided; Cotton) ..... **B**  
 Holden, James H. (Braided) ..... **F**  
 Small Bros. (Braided; Cotton) ..... **D**  
 Toohey & Co., M. J. (Braided; Twisted; Drum) ..... **B**  
**N. J.—Paterson**  
 Frost & Sons, Geo. T. (Braided; Cotton) ..... **H**  
**N. Y.—Buffalo**  
 Buffalo Weaving & Belting Co. (Braided) ..... **A**  
 New York City  
 Hoffman-Corr Mfg. Co., 107 Duane (Braided; Cotton) ..... **AA**  
**PA.—Philadelphia**  
 Elder, James "Germantown" (Cotton) ..... **F**  
 Hodson, John M. (Cotton) ..... **O**  
 Kensington Machine Wks., 2423 Mascher (Braided) ..... **X**  
 Moore & Co., C., 14 S. 5th (Braided) ..... **A**  
**R. I.—Pawtucket**  
 Briggs & Co., H. A. (Cotton) ..... **A**  
 Jencke's Mfg. Co., E. (Cotton) ..... **A**  
**R. I.—Providence**  
 American Supply Co. (Cotton) ..... **AA**  
 Chase & Co., F. A. (Cotton) ..... **B**

**BANDOLINE**

New York City  
 Colgate & Co ..... **AAA**

**BANDS**

See Surgical Goods

**BANDS, ARM**

See Suspenders

**BANDS**

Dust; Mud; Hub, etc., see Hardware; Carriage

**BANDS****IRON & STEEL**

See Iron &amp; Steel

**BANDS****Miscellaneous**

**CONN.—Bridgeport**  
 Knapp, Geo. S. (Horse Tail) ..... **E**  
**CONN.—Naugatuk**  
 Goodyear's India Rubber Glove Mfg. Co. (Rubber) ..... **AAAA**  
**CONN.—Mount Carmel**  
 Woodruff & Sons Co., W. W. (Vehicle; Hub; Sand; Mud) ..... **A**  
**CONN.—New Haven**  
 Cowles & Co., C. (Silver) ..... **A**  
**CONN.—Tolland**  
 Somner Belting Co., Wm. (Sewing Machine) ..... **D**  
**ILL.—Chicago**  
 Curtis & Co. Mfg. Co., 42 S. Canal (Black; Galvanized Box) ..... **O**  
 Illinois Malleable Iron Co., W. Monroe (Hose) ..... **AAAA**  
 Pratt Electro-Med. Appliance Co. (Magnetic) ..... **F**  
**IOWA.—Des Moines**  
 Des Moines Novelty Co. (Horse Tail) ..... **F**  
**MASS.—Andover**  
 Tyler Rubber Co. (Rubber) ..... **AA**  
**MASS.—Boston**  
 Boston Belting Co. (Rubber) ..... **AAAA**  
 Cutter-Tower Co. (Metal Filling) ..... **B**  
 Davidson Rubber Co. (Rubber) ..... **A**  
 Ladd & Co., Geo. H. (Surgical Elastic) ..... **F**  
 Lothrop & Co., H. O. (Brush) ..... **E**  
**MASS.—Chicopee Falls**  
 Taylor-Bramley Co. (Abdominal) ..... **B**  
**MASS.—Highlandville**  
 Moseley & Co. (Infants) ..... **C**  
**MASS.—Leominster**  
 Hudson Parer Co. (Hose) ..... **E**  
**MASS.—Springfield**  
 Smith Mfg. Co., R. H. (Rubber) ..... **C**  
**MO.—St. Louis**  
 Kupferle, John C., 2nd & Mound (Hose) ..... **AA**  
 Pleunger & Henger Mfg. Co., 1015 Herbert (Hose) ..... **A**  
 Zellincker Supply Co., Walter A., 408 N. 4th (Cold Rolled; Iron Shingle Box) ..... **O**  
**N. J.—Hoboken**  
 Beck Bros. (Silk Cigar) ..... **C**  
**N. J.—Paterson**  
 Columbia Ribbon Co. (Hat) ..... **B**  
 Frost & Sons, Geo. T. (Spindle Hook; Auto Motor Vehicle) ..... **H**  
 Graef National Band Mfg. Co. (Silk Hat) ..... **D**  
**N. Y.—Brooklyn**  
 De Haven Mfg. Co. (Shingle; Box) ..... **O**  
**N. Y.—Farmer**  
 Covert's Saddlery Wks. (Horse Tail) ..... **C**  
**N. Y.—Fort Plain**  
 Yerdon, Wm. (Hose) ..... **C**  
**N. Y.—Homer**  
 Phoenix Hardware Mfg. Co. (Hose) ..... **D**  
 New York City  
 Faber, Eberhard (Rubber) ..... **AAA**  
 Graham & Co., John H., 113 Chambers (Hose) ..... **B**  
 Judd & Co., H. L. (Curtain) ..... **AA**  
 Leschen & Sons Rope Co., A. (Shingle; Box) ..... **AA**  
 McNab & Harlin Mfg. Co., 56 John (Hose) ..... **AA**  
 Mattson Rubber Co. (Rubber) ..... **B**  
 Parker, Stearns & Sutton (Rubber) ..... **B**  
 Tiebout, W. & J., 118 Chambers (Gaff; Boom; Mast) ..... **B**  
 Wintjin, John G. (Leather) ..... **E**

**BANDS (Con.)**

N. Y.—Richford  
Hilts, Wrench & Mfg. Co.  
(Spring Apron) .....F  
N. Y.—Troy  
Goodman, Saperstein & Co.  
(Neck; Wrist) .....F  
N. Y.—Unadilla  
Tie Company (Horse Tail) .....D

**OHIO—Akron**

Akron Rubber Wks. (B. F.  
Goodrich Co.) (Rubber) .....AAAA

Whitman & Barnes Mfg. Co.  
(Rubber) .....AAAA

**OHIO—Canton**

Kohler & Co. (F. E. (Hose) .....C

**OHIO—Cleveland**

Standard Welding Co. (Vehicle; Hub; Sand; Mud) .....AA

**OHIO—Niles**

Ohio Galvanizing & Mfg. Co.  
(Shingle) .....C

**OHIO—Springfield**

Springfield Brass Co. (Hose) .....E

**PA.—Burnham**

Logan Iron & Steel Co. (Vehicle; Hub; Sand; Mud) .....AA

**PA.—Philadelphia**

Blins Patent Band Co. 5th & Berks (Spindle Hook) .....X  
Hoffstetter Bros. (Dry Goods; Hosiery) .....C  
Horstmann Co., Wm. H. (Book Head) .....AAAA

Loeb, Lipper & Co. (Book Head) .....A  
PA.—Pittsburg  
Budke Mfg. Co. (Box) .....B  
Canonsburg Iron & Steel Co. (Steel Box) .....B

**R. I.—Providence**

Davol Rubber Co. (Rubber) .....AA

**BANGLES**

See Jewelry

**BANJOS**

See Musical Instruments

**BANKS****ILL.—Chicago**

Keyless Bank Co., 36 La-salle (Individual Savings) .....E

**New York City**

Piaget Novelty Co. 265 Broadway (Registering Savings) .....D

**N. Y.—Buffalo**

Crosby Co., 179 Pratt (Savings) .....A

**OHIO—Zanesville**

Owens Pottery Co., J. B. (Money Pottery) .....A

**PA.—Freemansburg**

Shimer Son & Co., Wm. (Iron Toy) .....B

**PA.—Marietta**

Reinhold J. J. (Individual Savings) .....G

**PA.—Philadelphia**

American Home Savings Bank Co., North Am. Bldg. (Savings) .....D

**BANNERS****MD.—Baltimore**

Slaco Bros. ....E

**MICH.—Kalamazoo**

Henderson-Ames Co. (Parade) .....A

**MO.—St Louis**

Zittlosen Mfg. Co. ....X

**New York City**

American Flag Co. (Silk) A

Boyle & Co., John .....AA

Cairns & Bro. (Firemen's) F

Koster, C. H. ....D

Lamb, J. & R. (Church) ..D

Mc Hugh, John F. ....C

Rehm & Co. ....D

**OHIO—Cincinnati**

Beck & Sons Co., Wm. ....C

Pettibone Bros. Mfg. Co. ....A

**BANNERS (Con.)****OHIO—Columbus**

Lilly & Co., M. C. ....AAAA

**OHIO—Toledo**

Hettrick Bros. ....B

**PA.—Easton**

American Flag Co. (Silk) A

**PA.—Philadelphia**

Horstmann & Co., Wm. H. ....AAAA

**BARGES & HULLS****CAL.—Port Richmond**

Burlee Dry Dock Co. ....X

**CAL.—San Francisco**

Union Iron Works ....AAAA

**PA.—Philadelphia**

Cramp & Sons Ship & Engine Bldg. Co. (Steel) .....AAAA

Kensington Engine Works (Disinfecting) .....A

**VA.—Newport News**

Newport News Ship Building & Dry Dock Co. (Steel) .....AAAA

**BARIUM****MO.—St Louis**

Nulsen, Klein & Krausse Mfg. Co. (Buoyant) .AAA

**N. Y.—Brooklyn**

Wiarda & Co., John C. (Carbonate) .....AA

**BARKS**

See also Drugs; Crude

**CAL.—San Francisco**

Frank & Co., S. H. (Tanners) .....AAA

**CONN.—Stamford**

Stamford Mfg. Co. ....AAAA

**KY.—Clay City**

Eastern Kentucky Stave Co. (Tan) .....B

**KY.—Somerset**

Thurman, J. H. (Tanners) X

**MD.—Baltimore**

Sharp & Dohme (Pressed) .....AAA

**MASS.—Boston**

Cutting, F. A. (Tanners) .B

**MASS.—Alpena**

Northern Extract Co. (Tanners) .....B

**MICH.—Detroit**

Parke, Davis & Co. (Pressed) .....AAA

**MICH.—Northport**

Koehl Bros. (Tanners) ...D

**MICH.—Onokama**

Burmeister Byron (Tanners) .....F

**MICH.—Pierport**

Perry & Co., C. H. (Tanners) .....E

**MICH.—Saginaw**

Briggs, Cooper & Co. (Hemlock) .....C

**MINN.—Minneapolis**

Mc Millian Fur & Wool Co. (Pressed) .....X

**N. Y. Brooklyn**

Wiarda & Co., John C. (Birch, Ground) .....AA

**New York City**

Adams & Co., Walter (Pressed) .....H

**PA.—Colegrove**

Heineman, H. N. (Tanners) B

**PA.—Lancaster**

Eureka Bark Mills Co. (Tanners) .....X

**TENN.—Rockwood**

Staples, H. C. (Tanners) .F

**VT.—Burlington**

Wells & Richardson Co. (Pressed) .....AA

**VA.—Fredericksburg**

Hurkamp Co., John G. (Tanners) .....B

**VA.—Petersburg**

Jones, Vaughan & Co. (Tanners) .....B

**WASH.—Chehalis**

Northwest Chittem Co. (Cascara) .....X

**WIS.—Fond Du Lac**

Huber & Fuhrman Drug Mills (Pressed) .....B

**WIS.—Marinette**

Davis & Stitt Co. ....B

## BARLEY

**CAL.**—San Francisco  
Del Monte Milling Co. ....A  
Stockton Milling Co....AAA  
**ILL.**—Chicago  
American Cereal Co. AAAA  
**MO.**—St. Louis  
Stoble Cereal Mills .....B  
New York City  
Hecker-Jones-Jewell Milling  
Co. (Crushed) .....AAAA  
**WASH.**—Seattle  
Seattle Cereal Co. (Pearl) A

## BAROMETERS

**ILL.**—Chicago  
Bieder Co., J. L., 53 Lake  
(Color) .....D  
Martin Co., Edw. P., .....C  
Welskopf, A., (Aneroid) .E  
**N. H.**—Petersboro  
Wildner, Chas., (Est. of) ..O  
New York City  
Goldbacher, Ernest (Cot-  
tage) .....O  
Keuffel & Esser Co., 127  
Fulton .....AA  
Tagliabue, G., .....B  
Tagliabue, Chas. J., .....A  
**N. Y.**—Rochester  
Taylor Bros. Co., 29 Elisa-  
beth .....AA  
**N. Y.**—Watertown  
Watertown Thermometer  
Co. ....C  
**PA.**—Philadelphia  
Queen & Co. (Aneroid) AA

## BARRELS

See also Cooperage

**CAL.**—San Francisco  
Hendy Mach. Wks., Joshua  
38 Fremont (Amalgama-  
ting) .....AA  
Krogh Mfg. Co., 9 Steven-  
son (Amalgamating) ..C  
Marshuty & Lantrell, Main  
& Howard (Amalgama-  
ting) .....A  
Union Iron Wks., 222 Mar-  
ket (Amalgamating, Chlo-  
rinating, Cyanide Etc.)  
AAAA

**COLO.**—Denver  
Mine & Smelter Supply Co.  
(Amalgamating, Chlorina-  
ting Etc.) .....AAA  
**CONN.**—Oakville  
Baird Machine Co. (Tum-  
bling) .....E

**CONN.**—Waterbury  
Henderson Bros. (Tumbling  
& Rumbling) .....D  
Waterbury Mach. Co.  
(Tumbling & Rumbling) B

**ILL.**—Chicago  
Acorn Brass Mfg. Co. (Steel,  
& Half) .....D  
Allis-Chalmers Co., Home  
Ins. Bldg. (Amalgama-  
ting; Chlorinating; Cy-  
anide Etc.) .....AAAA

**ILL.**—Freeport  
Stover Mfg. Co. (Tumbling  
& Rumbling) .....AA

**ILL.**—Harvey  
Whiting Foundry Equip-  
ment Co. (Tumbling &  
Rumbling) .....A

**IND.**—Mishawaka  
Dodge Mfg. Co. (Tumbling  
& Rumbling) .....AAA

**MASS.**—Boston  
Burton Elect. Smelting Co.,  
183 Summer (Amalgama-  
ting) .....AAA

**MASS.**—Bridgewater  
Millers' Sons, H. J.,  
(Tumbling) .....D  
Perkins Co., Henry, (Tum-  
bling) .....B

**MASS.**—Chicopee Falls  
Stevens Arms & Tool Co., J.,  
(Rifle) .....AAA

**MASS.**—Orange  
Leavitt Machine Co. (Swing)  
D

**MASS.**—Salem  
Locke Regulator Co. (Tum-  
bling & Rumbling) ....C

## BARRELS (Con.)

**MICH.**—Detroit  
Byram & Co. (Tumbling &  
Rumbling) .....D  
Northern Engineering Wks.,  
Chene & Atwater (Tum-  
bling & Rumbling) ....A  
**MICH.**—Saginaw  
Wickes Bros (Tumbling &  
Rumbling) .....AA  
**MICH.**—Three Rivers  
Sheffield Car Co. (Tum-  
bling) .....AA  
New York City  
Estes & Sons, E. B., 45  
John (Tack) .....AA  
Iron Clad Mfg. Co., 4 Cliff  
(Sheet; Steel) .....AAA  
**N. Y.**—Saratoga Springs  
Lawrence, C. W. (Tin  
Lined) .....B  
**OHIO.**—Cincinnati  
Obermayer Co., S., 647  
Evans (Tumbling; Rum-  
bling) .....A  
Tudor Boiler Mfg. Co.  
(Tumbling) .....B  
**OHIO.**—Cleveland  
Bowler Foundry Co. (Tum-  
bling; Rumbling) .....A  
Cleveland Twist Drill Co.  
(Metal) .....A  
Cleveland Wire Spring Co.,  
(Sheet Steel) .....C  
Globe Machine & Stamping  
Co., 970 Hamilton (Tum-  
bling; Rumbling) .....F  
Shelby Steel Tube Co. (Tum-  
bling; Metal Wks.) AAA

**OHIO.**—Columbus  
Killbourne & Jacobs Mfg. Co.  
(& Half; Steel) .AAAA

**OHIO.**—Mansfield  
Barnes Mfg. Co. (Brass;  
Working; Oil Well; Seam-  
less Steel) .....A

**OHIO.**—New Philadelphia  
Spicer Mfg. Co. (Wire Nail  
Cleaning) .....C

**OHIO.**—Salem  
Clark Co., W. J., (Sheet  
Steel) .....B

**PA.**—Philadelphia  
Paxon Co., J. W., 1021 N.  
Del. Av. (Tumbling; Rum-  
bling) .....AA

**PA.**—Pittsburg  
Phillips & McLaren, 24th  
& Smallman (Tumbling;  
Rumbling) .....B

**PA.**—Pittsburg  
McCormack Co., J. S.,  
(Tumbling; Rumbling) B  
Scaife & Sons Co., Wm. B.,  
221 1st Av. (Amalgama-  
ting; Cyanide) .....A

**PA.**—Ryersford  
Ryersford Fdy. & Mach.  
Co. (Tumbling; Rum-  
bling) .....C

**PA.**—Williamsport  
Darling Pump & Mfg. Co.  
(Tumbling) .....B

**VT.**—Burlington  
Vermont Shade Roller Co.  
(Bobbin) .....A

**WIS.**—Milwaukee  
Allis-Chalmers Co. (Cyanide)  
AAAA

## BARRETTES

See Jewelry

## BARROWS

**CAL.**—San Francisco  
Western Iron Wks., 123  
Beale (Steel) .....B

**CONN.**—Windsor Locks  
Clark Co., Geo. P. (Bag-  
gage & Express) .....C

**GA.**—Atlanta  
White Hickory Wagon Mfg.  
Co. ....A

**ILL.**—Aurora  
Western Wheeled Scraper  
Co. ....AA

**ILL.**—Chicago  
Archer Iron Wks., 34th Pl.  
& S. Western Av. (Coke,  
Foundry, Furnace Charg-  
ing, Steel, Steel Tubular  
& Stone) .....D  
Chicago Scale Co., 292 Jack.

**BARROWS (Con.)**  
 Boul. (Wheel; Baggage) A  
 Fairbanks, Morse & Co., Franklin & Monroe (Baggage, Express, Coke, Foundry, Furnace Charging, Steel & Steel Tubular) .....AAAA  
 Railroad Supply Co., Old Colony Bldg. (Track)...A  
**IND.—Anderson**  
 Anderson Fdy. & Mach. Wks. (Brick & Mould)..B  
**IND.—Indianapolis**  
 Potts & Co., C. & A. (Brick & Canal) .....B  
**IOWA—Fort Madison**  
 Iowa Farming Tool Co., (Garden) .....A  
**IOWA—Keokuk**  
 Scott Mfg. Co. (Brick)....D  
**KY.—Louisville**  
 Broderick, John .....C  
**MAINE—So. Paris**  
 Paris Mfg. Co. ....A  
**MASS.—Boston**  
 Boston & Lockport Block Co., 180 Commercial (Baggage & Express) .....B  
**MASS.—Chicopee Falls**  
 Belcher & Taylor Agr. Tool Co. (Garden) .....A  
**MASS.—Worcester**  
 Ames Plow Co. (Canal, Coal & Garden) .....AA  
**MICH.—Adrian**  
 Kells Fdy. & Mach. Co. (Brick) .....D  
**MICH.—Jackson**  
 Withington & Cooley Mfg. Co. (Stone, Coal, Coke, etc.) .....AA  
**MICH.—Kalamasoo**  
 Kalamazoo Railway Supply Co. (Baggage & Express) B  
**MICH.—Lansing**  
 Lansing Wheelbarrow Co. (Baggage, Express, Brick, Coke, Foundry, Wheel, Wooden, Furnace Charging, Steel, Steel Tubular & Stone) .....AA  
**MICH.—Morence**  
 Michigan Brick & Tile Mach. Co. (Brick) .....C  
**MINN.—Minneapolis**  
 Puffer-Hubbard Mfg. Co. (Brick, Coke, Garden, Mortar, Ore, Steel & Stone) .....C  
**MO.—Farmington**  
 Lang & Bro. ....A  
**MO.—St. Louis**  
 Fernholtz Brick Machy. Co., Boyle Av. (Brick).....E  
 Western Electric & Supply Co. (Track) .....B  
 Whitman Agricultural Co., 6900 S. B'way (Baggage, Express, Brick, Coal & Garden) .....A  
**N. J.—Hoboken**  
 Union Iron Wks. (Foundry) D  
**N. Y.—Albany**  
 Dederick's Sons, P. K. (Brick & Coal) .....AA  
**N. Y.—Brooklyn**  
 Phillips Doup & Co., 56 Pearl (Brick; Coal; Foundry) .....E  
**N. Y.—Buffalo**  
 Buffalo Scale Co. (Baggage & Express) .....AA  
**N. Y.—Long Island City**  
 Stuebner, G. L., Iron Wks., 170 3d (Coke; Iron; Foundry) .....B  
**New York City**  
 Fairbanks Co., 186 Elm (Baggage, Express, Brick, Coke, Foundry, Furnace Charging, Steel, Steel Tubular & Stone) .....AAAA  
 Howard & Morse, 45 Fulton (Foundry) .....D  
 Pollock, Alex., 203 West (Foundry, Furnace Charging & Steam Tubular)...A  
 Pugsley & Chapman.....D

**BARROWS (Con.)**  
**N. Y.—Poughkeepsie**  
 McWinnie Wheelbarrow Wks., Thos. (Brick, Steel, Tubular, Stone, Canal & Garden) .....D  
**N. Y.—Syracuse**  
 Syracuse Chilled Plow Co. (Baggage, Express, Brick, Foundry, Furnace Charging, Garden, Mortar, Ore, Pig Iron, Steel, Steel Tubular & Stone) .....AA  
**N. Y.—West New Brighton**  
 Hunt Co., C. W. (Coal; Coke; etc) .....AA  
**OHIO—Akron**  
 Akron Cultivator Co. (Steel Tray Brick, Coke, Furnace Charging, Pig Iron, Steel & Steel Tubular).....B  
 McNeil Boiler Co. (Steel).F  
**OHIO—Bryan**  
 Bryan Mfg. Co. (Brick, Coke, Folding Steel Frame, Foundry, Furnace Charging, Mining, Garden, Mortar, Steel, Steel Tubular & Stone) .....B  
**OHIO—Bucyrus**  
 American Clay Working Mach. Co. (Brick & Canal) .....X  
**OHIO—Cincinnati**  
 Haven Co., James L. ....B  
 Obermayer Co. S., 647 Evans (Foundry) ....AA  
**OHIO—Cleveland**  
 American Fork & Hoe Co. (Wheel & Brick) .....AAAA  
 Atlas Bolt & Screw Co., Marquette, opp. Hamilton (Coke, Coal, etc) ....A  
 Atlas Car & Mfg. Co. (Wheel, Ash, Coal, Coke & Charcoal) .....AA  
 Cleveland Wire Spring Co. (Hand Wheel) .....A  
 Niles Mine & Mill Supply Co. (Coke) .....C  
 Osborn Mfg. Co. (Coal, Coke, etc.) .....B  
 Smith Fdy. Supply Co., J. D., 40 S. Water (Foundry) D  
**OHIO—Columbus**  
 Kilbourne & Jacobs Mfg. Co. (Baggage, Express, Brick, Coke, Foundry, Furnace Charging, Steel, Steel Tubular & Stone) .....AA  
**OHIO—Dayton**  
 Raymond Co., C. W. (Brick) A  
**OHIO—Galion**  
 Freese & Co., E. M. (Brick) C  
**OHIO—Girard**  
 Girard Boiler & Mfg. Co. (Ore) .....B  
**OHIO—Lowellville**  
 Meehan Boiler & Construction Co. (Coal, Coke, etc.) B  
**OHIO—New London**  
 Arnold, Creager Co. (Brick; Ash; Coal; Tile) .....B  
**OHIO—Painesville**  
 Horton Mfg. Co. (Brick).C  
**OHIO—Salem**  
 Clark & Co., W. J. (Baggage; Furnace; Steel; Hand) .....A  
**OHIO—Sidney**  
 American Steel Scraper Co. (Steel Tubular) .....B  
 Sidney Steel Scraper Co., (Foundry Steel Tubular, Charging & Garden) ....C  
**OHIO—Steubenville**  
 Means Fdy. & Machine Co. (Brick) .....D  
**OHIO—Toledo**  
 Toledo Metal Wheel Co. (Garden) .....AA  
 Toledo Wheelbarrow Wks. (Geo. W. Thomas & Co.) (Garden, Stone, Brick & Steel) .....A  
**OHIO—Wellington**  
 Wellington Machine Co. (Brick) .....B

**BARROWS (Con.)**

**PA.—Connellsville**  
Boyle, Porter & Co. (Coal) B  
Connellsville Machine & Car Co. (Coke & Steel).....A  
**PA.—Elizabethtown**  
Buch's Sons Co., A. (Wheel & Garden) .....A  
**PA.—Harrisburg**  
Jackson Mfg. Co. (Brick, Coke, Foundry, Furnace Charging & Steel).....B  
**PA.—Lancaster**  
Martin Brick Mach. Co., Henry (Brick) .....B  
**PA.—Lebanon**  
Union Boiler & Mfg. Co. (Furnace Charging).....D  
Weimer Machine Wks. (Foundry Charging)....A  
**PA.—Philadelphia**  
Paxson Co., J. W., 1012 N. Del. Av. (Founury)....AA  
**PA.—Pittsburg**  
Pittsburg Wheel Scraper Co. 68 S. Main (Stone)....F  
**PA.—York**  
Farquhar & Co., A. B. (Baggage & Garden).AAA  
Keystone Farm Mach. Co. (Garden) .....B  
**TENN.—Chattanooga**  
Chattanooga Wheelbarrow Mfg. Co. (Brewers).....D  
**VT.—Bellows Falls**  
Derby & Ball .....B  
**VT.—Rutland**  
Howe Scale Co. (Baggage & Express) .....AA  
**W. VA.—New Cumberland**  
Davis & Price Fdy. & Mach. Co. (Brick) .....D  
**WIS.—Sheboygan**  
Ortenberg & Sonneman (Steel) .....F

**BARS**

See also Fixtures; also Iron & Steel

**ALA.—Selma**  
Peacock's Iron Wks. (Grate Draw) .....C  
**CAL.—San Francisco**  
Doble Co., Abner (Crow, Lining & Tamping).....B  
**CONN.—Ansonia**  
Ansonia Electrical Co. (Commutator) .....A  
**CONN.—Bridgeport**  
Bridgeport Brass Co. (Copper, Brass, Commutator) AA  
Bridgeport Chain Co. (Chain) .....A  
**CONN.—Collinsville**  
Collins Co. (Pinch & Crow) AAAA  
**CONN.—Hartford**  
Billings & Spencer Co. (Commutator) .....AA  
Pope Tube Co. (Bicycle Handles) .....AAAA  
**CONN.—Middletown**  
Palmer, I. E. (Mosquito, Hammock) .....AAA  
**CONN.—New Britain**  
Russell & Erwin Mfg. Co. (Shutter) .....AAAA  
Stanley Works (Shutter) AAAA  
**CONN.—New Haven**  
Dann Bros. & Co. (Bicycle Handles) .....B  
Ives Co., Robert B. (Shutter) .....C  
Kibborn & Bishop Co. (Commutator) .....C  
Mallory, Wheeler Co. (Shutter) .....AA  
**CONN.—Southington**  
Peck, Stow & Wilcox Co. (Shutter) .....AAAA  
**CONN.—South Norwalk**  
Norwalk Lock Co. (Shutter) H  
**CONN.—Stamford**  
Yale & Towne Mfg. Co. (Shutter) .....AAAA

**BARS (Con.)**

**CONN.—Torrington**  
Coe Brass Mfg. Co. (Copper, Commutator) .....AAAA  
**DEL.—Wilmington**  
Edge Moor Iron Co. (Draw) AAA  
**ILL.—Chicago**  
Braunmoeller & Son, Henry (Shutter) .....B  
Chicago Metallic Sash Wks., 21 Mohawk (Metallic Sash) .....D  
Mohr & Sons, John (Grate) AAA  
Morden Frog & Crossing Wks., The Rookery (Tie) A  
Republic Iron & Steel Co., 108 La Salle (Iron, Muck) AAAA  
Sellers Mfg. Co. (Splice).B  
Schomer, Henry (Clothes).D  
Solid Steel Tool Co., 11 S. Jefferson (Lining, Coupling, Driving, Pinch & Shackle) .....F  
Sterion Copper, Brass & Bronze Co., 63 N. Ashland Av. (Commutator).....D  
Sullivan Machinery Co., 135 Adams (Quarry)....AAA  
Thornburgh-Creel Co. (Pinch) .....X  
Union Drop Forge Co., 66 E. Ohio (Claw, Lining, Tamping & Crow) .....A  
Webster Mfg. Co. (Pinch) AA  
**ILL.—Downers Grove**  
Dicke Tool Co. (Lining & Tamping) .....D  
**IND.—Bluffton**  
Bluffton Mfg. Co. (Clothes) 0  
**IND.—Columbus**  
Columbus Handle & Tool Co. (Lining; Tamping) .....B  
**IND.—Evansville**  
Evansville Tool Wks. (Railroad, Claw, Tamping, Crow, Pince, Wedge, Lining, Point) .....A  
**IND.—Fort Wayne**  
Olds Wagon Wks. (Bicycle Handle) .....X  
**IND.—Indianapolis**  
Lanter, H. (Bicycle Handle) B  
Udell Wks. (Clothes)....A  
**IND.—South Bend**  
Miller-Knoblock Electric Mfg. Co. (Commutator).B  
**KY.—Louisville**  
Louisville Seam Forge Co. (Draw) .....D  
**MAINE—Portland**  
Laughlin & Sons, Thos. (Claw) .....B  
**MASS.—Arlington**  
Wood & Co., W. T. (Ice).A  
**MASS.—Boston**  
Harvey, H. H., 608 Atlantic Av. (Claw & Crow)....B  
Ideal Plating Co. (Bicycle Handle) .....B  
Pearson Jack Co. (Claw) H  
Walworth Mfg. Co. (Grate) AAAA  
**MASS.—Chicopee**  
Ames Sword Co. (Bicycle Handle) .....B  
**MASS.—Everett**  
Faxon Co., Geo. H. (Piano Pressure) .....D  
**MASS.—Holyoke**  
Holyoke Bar Co. (Roll).E  
Holyoke Machine Co. (Grates) .....AA  
**MASS.—Lawrence**  
Horne & Sons Co., J. H. (Barbed Jordan & Roll).A  
**MASS.—Lowell**  
Lowell Machine Shop (Roll) AAAA  
**MASS.—North Attleboro**  
Barrows & Co., H. T. (Chain) .....A  
**MASS.—Springfield**  
Springfield Drop Forge Co. Pure Unalloyed Copper



**BARS (Con.)**  
 Commutator) .....B  
**MICH.—Detroit**  
 Amos & Co., Charles, 94 W.  
 Larned (Metallic Sash).F  
 Anderson & Sons, W. H.  
 (Claw, Draw, Lining,  
 Tamping, Pinch, Quarry  
 & Crow) .....C  
 Barnum Wire & Iron Wks.,  
 E. T., 99 Shelby (Metallic  
 Sash) .....B  
 Detroit Copper & Brass Roll-  
 ing Mills (Wire, Copper)  
 AAAAA  
 Detroit Steel & Spring Co.  
 (Claw) .....B  
 Phillips Co., John (Ltd.), 51  
 Fort (Metallic Sash &  
 Clothes) .....C  
 Vulcan Co. (Metallic Sash).  
 F  
**MICH.—Kalamazoo**  
 Harrow Spring Co. (Soft  
 Merchant, Spring Steel).B  
 Kalamazoo Ry. Supply Co.  
 (Claw, Lining, Tamping &  
 Crow) .....A  
**MINN.—Albert Lea**  
 Edwards, C. D. (Equalizing)  
 D  
**MINN.—Minneapolis**  
 Commutator Co., 121 N. 1st  
 Av. (Commutator).....D  
 Howell & Co., R. R. (Grate)  
 B  
**MO.—St. Louis**  
 Crescent Novelty Mfg. Co.,  
 703 S. Bway. (Pinch)...D  
 Handlan-Buck Mfg. Co., 212  
 N. 3d (Lining & Tamping)  
 AA  
**N. J.—High Bridge**  
 Taylor Iron & Steel Co.  
 (Draw, Grate) .....AAAA  
**N. J.—Jersey City**  
 Williams & Son, E. A.  
 (Commutator) .....AA  
**N. J.—Newark**  
 Atha Tool Co., ft. Chapel  
 (Claw, Lining, Tamping,  
 Shackle & Crow).....A  
 Marson, Arthur (Jewelers)  
 F  
**N. J.—Paterson**  
 Dempwolf, Chas., Jr.  
 (Glass) .....X  
 Passaic Rolling Mill Co.  
 (Eye & Tie) .....AAAA  
 Passaic Steel Co. (Eye &  
 Merchant) .....A  
**N. J.—Perth Amboy**  
 Pardee Wks., C. (Steel)  
 AAA  
**N. J.—Riegelsville**  
 Taylor, Stiles & Co. (En-  
 gine Fly; Roll) .....A  
**N. J.—Trenton**  
 Stahl, Harry E. (Bicycle  
 Handle) .....F  
**N. Y.—Brooklyn**  
 Columbia Mach. Wks. &  
 Malleable Iron Co., 167  
 Chestnut (Dropped Forged  
 Commutators) .....C  
 Hecla Iron Wks. (Metallic  
 Sash) .....AA  
 Pollard, Jos. G. (Crow) ..F  
**N. Y.—Buffalo**  
 Abel, George L., 18 Elk  
 (Commutator) .....F  
 Pratt & Letchworth Co.  
 (Draw) .....AA  
 White Co., L. & I. J.  
 (Ice) .....A  
**N. Y.—Gowanda**  
 Gowanda Agricultural Wks.  
 Co. (Post Steel Handle &  
 Point) .....B  
**N. Y.—Hillburn**  
 Ramapo Iron Wks. (Switch)  
 AAA  
**N. Y.—Irvington-on-Hudson**  
 Lord & Burnham Co. (Green-  
 House Sash) .....A  
**N. Y.—Jamestown**  
 American Mfg. Concern  
 (Drying) .....A  
 Empire Walker Co. (Folding  
 Dry) .....A  
**N. Y.—Munnsville**  
 Munnsville Plow Co. (Hop)  
 B

**BARS (Con.)**  
 New York City  
 Anderton, Ralph L., 210  
 Grand (Metallic Sash)..B  
 Ansonia Brass & Copper Co.,  
 99 John (Commutators)  
 AAAAA  
 Bemis Car Truck Co., 180  
 Liberty (Draw).....C  
 Brass Goods Mfg. Co. (Shut-  
 ter) .....B  
 Ingersoll-Sergeant Drill Co.,  
 28 Cortlandt (Quarry)  
 AAAAA  
 Jessop & Sons, Wm. (Ltd.)  
 91 John (Steel).....AAAA  
 Jones & Co., Trevor F., 374  
 W. Bway. (Metallic Sash)  
 X  
 Larter, Elcox & Co. (Chain)  
 A  
 N. Y. Boat Oar Co. (Cap-  
 stan) .....A  
 Railway Steel Spring Co., 71  
 Bway. (Draw) .....AAAA  
 Rand Drill Co., 128 B'way  
 (Quarry) .....A  
 Richards & Co., E. Ira  
 (Chain) .....AAA  
 Rutzler, E. (Grate) .....A  
 Salamander Grate Bar Co.  
 126 Liberty (Grate) ....D  
 Sargent & Co., 151 Leonard  
 (Shutter) .....AAA  
 Tupper & Co., Wm. W., 89  
 Cortlandt (Grate) .....D  
**N. Y.—Rochester**  
 Rochester Snow Case Wks.  
 Metal Sash) .....D  
 Sheldon, Smith (Metallic  
 Sash) .....D  
**N. Y.—Syracuse**  
 Sweets Steel Co., 832 S.  
 West (Claw, Driving,  
 Lining, Tamping, Crow &  
 Pinch) .....A  
**N. Y.—Troy**  
 Burden Iron Co. (Iron)  
 AAAAA  
**OHIO—Akron**  
 Whitman & Barnes Mfg. Co.  
 (Equalizing) .....AAAA  
**OHIO—Cambridge**  
 Cambridge Rolling Mill Co.  
 (Harrow & Cultivator).B  
**OHIO—Canton**  
 Buckeye Mfg. Co. (Digging;  
 Tamping) .....D  
 Cleveland Axle Mfg. Co.  
 (Pinch & Wedge).....A  
**OHIO—Cincinnati**  
 Weir Frog Co. (Switch)...A  
**OHIO—Cleveland**  
 Federal Mfg. Co. (Bicycle  
 Handle) .....AAAA  
 Forest City Electric Co., 111  
 Windsor Av. (Commuta-  
 tor) .....A  
 Homer Commutator Co.  
 (Standard & Special Com-  
 mutators) .....D  
 Van Dorn-Elliott Electric  
 Co. (Commutator & Jall)  
 D  
**OHIO—Columbus**  
 Coulsen & Co., J. W. (Tran-  
 som; Metallic Sash) ...X  
**OHIO—Dayton**  
 Simonds & Son, A. A. (En-  
 gine) .....B  
**OHIO—Hicksville**  
 Kerr Bros. & Co. (Bicycle  
 Handle) .....A  
**OHIO—Mansfield**  
 Mansfield Tempered Copper  
 Co. (Commutator) .....A  
 Ohio Brass Co. (Commuta-  
 tor) .....B  
**OHIO—Steubenville**  
 La Belle Iron Wks. (Steel)  
 AAAAA  
**OHIO—Toledo**  
 American Woodenware Mfg.  
 Co. (Clothes) .....B  
 Snell Cycle Fittings Co.  
 (Bicycle Handle) .....F  
**OHIO—Youngstown**  
 Youngstown Iron Sheet &  
 Tube Co. (Sheet Bars;  
 Muck) .....AAAA  
**PA.—Alliquippa**  
 Vulcan Crucible Steel Co.  
 (Steel) .....B

**BARS (Con.)**

**PA.—Beaver Falls**  
Standard Gauge Steel Co.  
(Steel Finished Rounds;  
Flats; Squares & Finished  
Shapes) .....A  
**PA.—Braeburn**  
Braeburn Steel Co. (Steel)A  
**PA.—Burnham**  
Logan Iron & Steel Co.  
(Iron; Crown) .....AA  
**PA.—Chester**  
Keystone Drop Forge Wks.  
(Commutators) .....B  
**PA.—Downingtown**  
Downingtown Mfg. Co.  
(Fly) .....A  
**PA.—Ellwood City**  
Glen Mfg. Co. (Sash; Metal  
Covered) .....C  
**PA.—Girard**  
Ely Mfg. Co., Thos. J.  
(Clothes) .....B  
**PA.—Harrisburg**  
Harrisburg Pipe & Pipe  
Bending Co. (Flat; Iron;  
Square) .....AAA  
**PA.—Lancaster**  
Chalfant Mfg. Co. (Shutter)  
D  
**PA.—Lebanon**  
American Iron & Steel Mfg.  
Co. (Arch) .....AAAA  
**PA.—McKees Rocks**  
Kidd Bros. & Burgher Steel  
Wire Co. (Steel & Arch)B  
**PA.—Mechanicsburg**  
Wilcox Mfg. Co., D. (Bicy-  
cle Handle) .....A  
**PA.—Milton**  
Milton Mfg. Co. (Iron &  
Muck) .....AA  
**PA.—New Castle**  
New Castle Forge & Bolt  
Co. (Lining; Tamping &  
Crow) .....B  
**PA.—North East**  
Eureka Tempered Copper  
Wks. (Digging; Commu-  
tator) .....B  
**PA.—Oil City**  
Oil City Boiler Wks. (Grate)  
AA  
**PA.—Philadelphia**  
American Bridge Co. (Eye)  
AAAA  
**Bement, Miles & Co. (Bor-  
ing)** .....AAAA  
**Cambria Iron Co. (Splice).A**  
**Disston & Sons, Henry**  
(Steel) .....AA  
**Hoeg & Co., R. C., 11th &  
Catherine (Shutter) ....H**  
**Keystone Drop Forge Wks.,  
20th & Clearfield (Com-  
mutators) .....B**  
**Logan Iron & Steel Co., Har-  
rison Bldg. (Crow) ...AA**  
**Phoenix Iron Co., 410 Wal-  
nut (Upset Eye) .....D**  
**Plumb, Fayette R., "Frank-  
ford" (Claw; Lining;  
Tamping & Crow).....AA**  
**Samuel, Frank, 1502 Market**  
(Low Phosphorus Melting  
& Muck) .....A  
**PA.—Pittsburg**  
Carnegie Steel Co. (Arch;  
Eye & Draw) .....AAAA  
**Colonial Steel Co. (Jail)**  
AAA  
**Crucible Steel Co. of Amer-  
ica, Frick Bldg. (Commu-  
tator; Copper) .....AAAA**  
**Hubbard & Co., Murtland**  
Bldg. (Claw; Lining;  
Tamping & Pinch) .....A  
**Iron City Tool Wks. (Ltd.)  
23rd & Smallman (Claw;  
Lining; Tamping; Punch  
& Crow) .....B**  
**Jones & Laughlins Steel Co.**  
(Claw; Steel; Bicycle  
Chain) .....AAAA  
**Klein & Logan Co., 265 S.  
18th (Claw; Lining; Tamp-  
ing & Crow) .....A**  
**Munroe & Son, R. (Grate)...**  
AAA  
**Oliver Iron & Steel Co., S  
10th & Muriel (Claw;  
Lining & Tamping).AAAA**  
**Pittsburg Forge & Iron Co.,**

**BARS (Con.)**

**10th & Penn Av. (Draw &  
Splice) .....A**  
**Pittsburg Reduction Co.**  
(Aluminum) .....AAAA  
**Pittsburg Tool & Drop Forge  
Co., Arrott Bldg. (Mine;  
Claw; Lining & Tamping)**  
E  
**Verona Tool Wks., Murt-  
land Bldg. (Claw; Lining;  
Tamping; Pinch &  
Shackle) .....A**  
**Zug & Co. (Ltd.) (Iron;  
Horseshoe) .....AAA**  
**PA.—Reading**  
Pennsylvania Hardware Co.  
(Shutter) .....AA  
**Reading Hardware Co.**  
(Shutter) .....AAAA  
**Reading Standard Cycle  
Mfg. Co. (Bicycle Han-  
dles) .....B**  
**PA.—Scranton**  
McClave, Brooks & Co.  
(Grate) .....A  
**PA.—So. Bethlehem**  
Bethlehem Steel Co. (Iron)  
AAAA  
**PA.—Steelton**  
Pennsylvania Steel Co. (Eye;  
Steel Splice; Swivel;  
Switch; Tie) .....AAAA  
**PA.—Wilkesbarre**  
Vulcan Iron Wks. (Grate)..  
AAAA  
**R. I.—Pawtucket**  
Fuller & Son, Geo. H.  
(Chain) .....A  
**Narragansett Machine Co.**  
(Gymnasium) .....A  
**R. I.—Providence**  
Wall & Co., A. T. (Chain).C  
**S. C.—Spartanburg**  
Morgan Iron Wks. (Grate)D  
**VA.—Bristol**  
Va. Iron, Coal & Coke Co.  
(Iron) .....A  
**W. VA.—Huntington**  
Union Rail Co. (Iron)...X  
**WIS.—Beloit**  
Beloit Iron Wks. (Roll)...A  
**WIS.—Milwaukee**  
Bremer Cycle Mfg. Co.  
(Bicycle Handle) .....F  
**League Cycle Works (Bicy-  
cle Handle) .....D**  
**WIS.—Oshkosh**  
Oshkosh Logging Tool Co.  
(Digging; Lining; Tamp-  
ing) .....B  
**WIS.—Racine**  
Racine Malleable & Wrought  
Iron Co. (Bicycle Handle)  
A

**BARYTES**

**MO.—Mineral Point**  
Point Mining & Mineral Co.  
A  
**MO.—St. Louis**  
Nulsen, Klein & Krausse  
Mfg. Co. (Floated) ....A  
**New York City**  
Bartels, E. C. ....B  
**Berg Mining Co., 123 Front**  
D  
**Franklin & Ferguson, Cot-  
ton Exchange .....F**  
**Gabriel & Schall, 305 Pearl**  
C  
**Osborn, Clarence J., 140  
Malden Lane .....D**  
**Waddell & Co., R. J....AA**  
**OHIO—Cleveland**  
Harshaw, Fuller & Goodwin  
Co. ....AA  
**TENN.—Knoxville**  
Commercial Mining & Mill-  
ing Co. ....A

**BASALT**

**MD.—Baltimore**  
Thomson Chemical Co. ...AA

**BASE BALL  
SUITS**

See Clothing, Men's

## BASES

See also Woodwork  
**CONN.—Bridgeport**  
 Bridgeport Brass Co.  
 (Lamp) .....AAAA  
**CONN.—Torrington**  
 Turner & Seymour Mfg. Co.  
 (Incandescent Lamp) ...A  
 Union Hardware Co. (Bat-  
 tery Cut-Out) .....A  
**CONN.—Waterbury**  
 Scovill Mfg. Co. (Incandes-  
 cent Lamp) .....AAAA  
 Steele & Johnson Mfg. Co.  
 (Incandescent Lamp) ...A  
**ILL.—Chicago**  
 Illinois Malleable Iron Co.,  
 30 W. Monroe (Branch  
 Central Fdy. Co.) (Verti-  
 cal Boiler) .....AA  
 Inland Steel Co., 204 Dear-  
 born (Steel Flow).AAAA  
**MINN.—St. Paul**  
 Raucher, Joun (Battery Cut-  
 Out) .....B  
**N. J.—Newark**  
 Hay Foundry & Iron Works  
 (Cast Iron Building).AA  
 Sterling-Meaker Co., 420 Og-  
 den Av. (Trolley) .....E  
**N. J.—New Brunswick**  
 New Jersey Lamp & Bronze  
 Works (Incandescent  
 Lamp) .....AA  
**New York City**  
 Bogert & Hopper, 162 Wil-  
 liam (Battery Cut-Out).B  
 Estes & Son, E. B., 45 John  
 (Switch; Battery Cut-Out)  
 A  
 Klumpp's Sons, J. G., 13  
 Baxter (Battery Cut-Out)  
 D  
**OHIO—Cleveland**  
 Homer Commutator Co., 110  
 Mason (Trolley) .....D  
 Homer & Co., F. E. (Trol-  
 ley) .....D  
 Van Dorn Iron Works Co.,  
 1793 E. Madison Av.  
 (Post) .....AA  
**OHIO—Salem**  
 Clark Co., W. J. (Post).B  
**PA.—Philadelphia**  
 Conroy, P. J., Island Road  
 (Vertical Boiler) .....X  
**PA.—Reading**  
 National Brass & Iron Wks.  
 (Lamp) .....A  
**R. I.—Providence**  
 American Enamel Co. (Bat-  
 tery Cut-Out) .....C  
**VT.—Fair Haven**  
 Vermont Slate Syndicate  
 (Ltd.) (Lamp) .....X  
**WIS.—So. Milwaukee**  
 Stowell Mfg. & Foundry Co.  
 (Garment Stand) .....A

## BASINS

See also Tinware; Enam-  
 elled Ware, etc.

**CONN.—Meriden**  
 Manning, Bowman & Co.  
 (Enamelled; Wash) ...AA  
**CONN.—Waterbury**  
 Randolph Clowes Co. (&  
 Bath Supplies) .....AAAA  
 Waterbury Brass Co.  
 (Brass; Wash) .....AAAA  
**ILL.—Clyde**  
 Coonley Mfg. Co. (Wash).B  
**ILL.—Chicago**  
 Illinois Malleable Iron Co.,  
 80 W. Monroe (Catch)..  
 AAAA  
**MINN.—Minneapolis**  
 Decarie Mfg. Co., 200 1st  
 Av. (Catch) .....B  
**MO.—St. Louis**  
 St. Louis Stamping Co.  
 (Enamelled; Wash)AAAA  
**N. J.—Trenton**  
 Maddock & Sons, Thos.  
 (Wash) .....AA  
 Trenton Potteries Co.  
 (Plumbers') .....AAAA  
**N. Y.—Buffalo**  
 Aldrich Mfg. Co. (Copper;  
 Wash) .....B

## BASINS (Con.)

**New York City**  
 Ansonia Brass & Copper Co.  
 (Brass; Copper Wash)...  
 AAAA  
 Central Stamping Co. (Tin  
 Wash) .....AA  
 Cordley & Hayes (Wash).A  
 Haydensville Co. (Plumb-  
 ers') .....A  
 Lalance & Grosjean Mfg.  
 Co. (Enamelled; Wash)  
 AAAA  
 Meyer-Sniffen Co. (Ltd.)  
 (Plumbers') .....A  
 Stoutenborough, X. (Tin)...D  
 Trageser Steam Copper  
 Wks., John (Copper Plug)  
 B  
**N. Y.—Rochester**  
 Rochester Stamping Co.  
 (Wash) .....AAA  
**N. Y.—Rome**  
 Rome Mfg. Co. (Wash)...B  
**N. Y.—Troy**  
 Troy Stamping Wks. (Tin;  
 Wash) .....AAAA  
**PA.—Pittsburg**  
 Standard Mfg. Co. (Enam-  
 elled Iron Wash) ....AA  
**WIS.—Milwaukee**  
 Bayley & Sons Co., W.  
 (Catch) .....X  
 Rundt Mfg. Co. (Enamelled  
 Iron) .....C

## BASKETS

**ALA.—Bridgeport**  
 Bridgeport Woodenware  
 Mfg. Co. (Fruit; Vegeta-  
 bles) .....B  
**CONN.—Elmwood**  
 Goodwin Bros. Pottery Co.  
 (Hanging) .....B  
**CONN.—Georgetown**  
 Gilbert & Bennett Mfg. Co.  
 (Hanging; Wire; Moss)...  
 AAA  
**DEL.—Elsmere**  
 Diamond State Fibre Co.  
 (Mill) .....B  
**DEL.—Farmington**  
 Simmons Mfg. Co. (Fruit)  
 E  
**DEL.—Laurel**  
 Marvill, J. D. (Fruit)....A  
 Ward & Co., N. (Fruit)...AA  
**DEL.—Wilmington**  
 American Vulcanized Fibre  
 Co. (Mill) .....AAAA  
 Delaware Hard Fibre Co.  
 (Fibre) .....A  
**FLA.—Jacksonville**  
 Bean, E. (Fruit) .....D  
**GA.—Atlanta**  
 Atlanta Woodenware Co...B  
**GA.—Fort Valley**  
 Georgia Fruit Package Co.  
 (Fruit) .....C  
**ILL.—Chicago**  
 Barbee Wire & Iron Wks.  
 (Desk; Farm; Fruit;  
 Hanging; Waste Paper;  
 Wire; Frying; Wire  
 Moss; Wire Sponge; Fruit  
 Canning) .....B  
 Chicago Willow & Rattan  
 Works (Automobile)...C  
**ILL.—Metropolis**  
 Roberts, J. N. (Fruit) ....A  
**IND.—Indianapolis**  
 Indianapolis Basket Co....C  
**IND.—New Albany**  
 New Albany Box & Basket  
 Co. (Fruit) .....D  
**IND.—Peru**  
 Peru Basket Co. (Bamboo  
 Baskets) .....C  
**IOWA—Burlington**  
 Burlington Basket Co.  
 (Laundry; Bakers) .....D  
**IOWA—Cedar Rapids**  
 Adams Mfg. Co., A. L.  
 (Galvanized Steel) ....E  
**KY.—Henderson**  
 Anderson Box & Basket Co.  
 (Clothes) .....E  
**KY.—Louisville**  
 Caummesar, T. C. ....C  
 Dow Wire Wks. Co. (Wire)  
 D

# BASKETS (Con.)

**LA.—Roseland**  
 Roseland Veneer & Pack-  
 age Co. (Bushel) .....E  
**MAINE—Kennebunk**  
 Leatheroid Mfg. Co. (Mill)A  
**MD.—Baltimore**  
 Md. Veneer & Basket Co.  
 (Fruit; Market) .....E  
**MASS.—Becket**  
 Ballou & Son, M. E. (Mill)C  
**MASS.—Gardner**  
 Heywood Bros. & Wakefield  
 Co. (Rattan; Waste Pa-  
 per; Work) .....AAAA  
**MASS.—Lawrence**  
 Barlow Co., John W. (Mill;  
 Rawhide) .....E  
**MASS.—Leominster**  
 Whiting Reed Chair Co.  
 (Rattan) .....AAAA  
**MASS.—Lowell**  
 Woods, Sherwood & Co.  
 (Wire; Hanging; Wire  
 Moss; Wire Sponge)....E  
**MASS.—Northampton**  
 Williams Mfg. Co.  
 (Clothes) .....A  
**MASS.—Westfield**  
 Crane Bros. (Mill; Laundry;  
 Linenoid Powder; Waste  
 Paper) .....AAA  
**MASS.—Worcester**  
 National Mfg. Co. (Hang-  
 ing; Wire Moss; Frying)A  
 Parker Wire Goods Co.  
 (Letter) .....D  
 Wire Goods Co. (Counter  
 Display; Letter) .....A  
**MICH.—Belding**  
 Ballou Basket Wks. (Mill;  
 Clothes; Coal; Cotton;  
 Lunch; Market; Farm;  
 Waste Paper) .....C  
**MICH.—Benton Harbor**  
 Colby-Hinkley Co. (Bushel)  
 A  
 Anderson-Tully Co. (Fruit;  
 Splint) .....AAA  
 Thayer & Co., G. B. (Fruit)  
 B  
**MICH.—Detroit**  
 Stenlus, P. ....D  
**MICH.—Grand Rapids**  
 Michigan Barrel Co.  
 (Fruit) .....A  
**MICH.—Lansing**  
 Lansing Wheelbarrow Co.  
 (Fire) .....AAA  
**MICH.—Rockwood**  
 Baumeister, Sr., Fred....G  
**MICH.—Saginaw**  
 Saginaw Basket Co. (Fruit;  
 Market; Satchel) .....C  
**MICH.—St. Joseph**  
 Wells, Higman Co. ....A  
**MINN.—St. Paul**  
 Twin City Reed & Rattan  
 Co. (Automobile) .....D  
**MO.—St. Joseph**  
 St. Joseph Basket & Box  
 Factory .....C  
**MO.—St. Louis**  
 Huke Rattan & Willowware  
 Mfg. Co. (Butchers)....D  
 St. Louis Basket & Box Co.  
 (Market) .....A  
**N. H.—Centre Sandwich**  
 Marston & Son, J. A....F  
**N. H.—Peterboro**  
 Needham, H. B. ....D  
**N. J.—Atlantic City**  
 Behm, H. ....H  
**N. J.—Beattystown**  
 Le Bar & Johnson (Peach;  
 Vegetable) .....C  
**N. J.—Califon**  
 Hoffman, I. H. ....F  
**N. J.—Camden**  
 Becker, F. ....G  
 Leconey, G. W. ....F  
**N. J.—Changewater**  
 Castner, J. P. (Peach)...E  
**N. J.—Clymer**  
 Denink Bros. ....E  
**N. J.—Cookstown**  
 Hartshorn, W. D.....H  
**N. J.—Crosby**  
 Finton, G. W. ....D  
**N. J.—Dividing Creek**  
 Dilks, M. J. ....F  
**N. J.—Edinburg**  
 Hart, A. ....H

# BASKETS (Con.)

Saltie, M. ....H  
**N. J.—Ewan**  
 Dilkes, T. C. ....H  
**N. J.—Ferrell**  
 Lafferty, J. M.....H  
**N. J.—Frenchtown**  
 Campbell, W. ....D  
**N. J.—Hardingville**  
 Morgan, W. ....H  
**N. J.—Lebanon**  
 McPherson, G. T.....E  
**N. J.—Medford**  
 Warnock, C. ....G  
**N. J.—New Egypt**  
 Moore, G. F. ....H  
**N. J.—Stidfole, A. H.**....H  
**N. J.—Paulsboro**  
 Parker, J. W. ....D  
**N. J.—Port Murray**  
 Beaty Arthur (Peach)....E  
**N. J.—Saddle River**  
 Smith, M. M. ....F  
**N. J.—Yardville**  
 Morris & Co. (Mill; Cotton  
 Duck) .....A  
**N. Y.—Altay**  
 Lamb, D. A. (Grape) ....H  
**N. Y.—Arkwright**  
 Snow Bros. (Grape) ....F  
**N. Y.—Bombay**  
 Shields Bros. ....B  
**N. Y.—Brookton**  
 Crandall, J. E. (Grape)...D  
**N. Y.—Brooklyn**  
 New York Stamping Co.  
 (Silver; Nickel-Plated).A  
**N. Y.—Buffalo**  
 Buffalo Wire Wks. Co.  
 (Fish; Sponge) .....A  
 Western Wire Goods Co.  
 (Letter) .....D  
**N. Y.—Bushnell's Basin**  
 Collins, A. ....H  
**N. Y.—Stockham, J.**....H  
**N. Y.—Canistota**  
 Canistota Woodenware Co.  
 (Laundry) .....E  
**N. Y.—Cassadaga**  
 Bebee & Co., C. V.....E  
**N. Y.—Charlotte**  
 West Webster Basket Co..F  
**N. Y.—Clarence**  
 Humbert & Kibler .....F  
**N. Y.—Crosby**  
 Schurr, J. G. ....H  
**N. Y.—Crosby**  
 Bullock, H. ....E  
 Guile & Windnagle .....F  
**N. Y.—Danville**  
 Wagner, J. A. ....G  
**N. Y.—Dundee**  
 Rapalee, J. C. ....F  
**N. Y.—Farmer**  
 Ryno & Longstreet .....D  
**N. Y.—Forestville**  
 Stout, M. E. ....F  
**N. Y.—Forestville**  
 Forestville Veneer & Mfg.  
 Co. (Grape) .....B  
**N. Y.—Foraythe**  
 Folvy Bros. & Co. (Fruit) F  
**N. Y.—Fredonia**  
 Crocker, L. L. (Grape)...D  
**N. Y.—Turk, E. J. (Grape)**...F  
**N. Y.—French Creek**  
 Sullivan, Mrs. C. ....G  
**N. Y.—Frewsburg**  
 Frewsburg Basket Co....C  
**N. Y.—Gasport**  
 Booth & Ensign .....C  
**N. Y.—Gates**  
 Fess, J. ....E  
**N. Y.—Gorham**  
 Rapalee, J. C. ....F  
**N. Y.—Hammondsport**  
 Younglove, O. H. (Grape).C  
**N. Y.—Harrisville**  
 Universal Wooden Ware Co.  
 (Berry) .....D  
**N. Y.—Highland**  
 Westcott, J. ....F  
**N. Y.—Hogansburg**  
 Daly, J., Jr. ....D  
**N. Y.—Holland**  
 Tanner, D. F. (Retort for  
 Cannery) .....E  
**N. Y.—Lansing**  
 Allport & Son .....D  
**N. Y.—Ledyard**  
 Rafferty, J. ....G  
**N. Y.—Lockport**  
 Graham & Turner (Fruit).F  
**N. Y.—Lodi Center**  
 Auble, F. ....F

**BASKETS (Con.)**

Bailey, W. ....F  
 N. Y.—Lloyd  
 Relyea, A. D. (Agent)...F  
 N. Y.—Marlboro  
 Clark, F. ....F  
 Wygant, E. E. ....D  
 N. Y.—Middleburg  
 Griffin, C. S. (Fruit)...F  
 N. Y.—Middleport  
 Royalton Basket Co. ....F  
 N. Y.—Mill Grove  
 Ryan, M. ....H  
 N. Y.—Mountainville  
 Barton & Smith (Fruit)...F  
 N. Y.—Newark  
 Arcadia Basket Co. ....D  
 N. Y.—Newfane  
 Newfane Basket Mfg. Co..D  
 New York City  
 Estey Wire Goods Co.,  
 59 Fulton (Waste Paper;  
 Wire Sponge) ....D  
 Howard & Morse, 45 Fulton  
 D  
 International Silver Co., 9  
 Maiden Lane (Silver;  
 Nickel-Plate) ....AAAA  
 Jackson & Co., W. H. (Fire)  
 A  
 Jansen, Edward (Fancy;  
 Fruit; Perfumery) ....A  
 Leipzig, Abraham (Clothes;  
 Lunch) ....A  
 Mott Iron Wks., J. L.  
 (Fire) ....AA  
 Ollesheimer & Bros., 139  
 Duane ....AA  
 Zinn & Co., Chas. (Oak  
 Stave; Willow; Work)..B  
 N. Y.—North Collins  
 Sherman, W. P. (Grape;  
 Bushel) ....E  
 N. Y.—North Germantown  
 Lown, J. B. ....F  
 N. Y.—North Hector  
 Smith, A. ....G  
 Westcott, F. ....H  
 Witham & Thayer ....F  
 N. Y.—Oxford  
 Munyon & Yates ....F  
 N. Y.—Pen Yan  
 Pratt, S. L. (Grape) ....B  
 Robinson Basket Co. ....AA  
 Thayer & Son, J. W. ....H  
 Townsend, W. B. ....F  
 N. Y.—Perrysburg  
 Waite, I. M. (Grape) ....G  
 N. Y.—Phelps  
 Whitney, H. B. ....E  
 N. Y.—Potsdam  
 Thatcher Mfg. Co. (Milk  
 Bottle) ....A  
 N. Y.—Poughkeepsie  
 Lane & Bro., W. T. (Mill) C  
 N. Y.—Pulteney  
 Retan, N. ....F  
 N. Y.—Ransomville  
 Ransomville Basket & Mfg.  
 Co. ....G  
 N. Y.—Ripley  
 Rickenbrode, W. B. ....D  
 N. Y.—Sherman  
 Cobb, C. E. (Grape) ....D  
 N. Y.—South Butler  
 Hibbard Basket Works...E  
 N. Y.—Stockton  
 Outling, L. E. ....H  
 Hall, C. A. ....F  
 N. Y.—Utica  
 Clark, Horrock Co. (Fish-  
 ing) ....A  
 N. Y.—Wayne  
 Wixson, S. R. (Grape)...F  
 N. Y.—Webster  
 Hart, S. M. ....F  
 Kittleberger Bros. ....F  
 N. Y.—Westfield  
 Burns, A. (Fruit) ....E  
 Crandall, S. C. (Grape) ..D  
 N. Y.—West Webster  
 West Webster Basket Co..F  
 N. Y.—Winfield Junction  
 Dippolt, H. ....E  
 N. C.—Highpoint  
 Snow, W. H. ....F  
 N. C.—Warsaw  
 Pierce, T. B. (Vegetable).F  
 OHIO—Chardon  
 Lyman Mfg. Co. ....E  
 OHIO—Cincinnati  
 Bromwell Brush & Wire  
 Goods Co. (Wire Moss;

**BASKETS (Con.)**

Wire Sponge) ....AA  
 OHIO—Cleveland  
 Oviatt Mfg. Co. ....C  
 OHIO—Columbus  
 Columbus Wire & Iron  
 Works (Fire Truck)....D  
 OHIO—Coshocton  
 Diamond Basket Co. ....D  
 OHIO—Edgerton  
 Edgerton Basket Mfg. Co.  
 E  
 OHIO—Geneva  
 Castle, Cyrus R. ....H  
 OHIO—Hamilton  
 Kahn & Bro., F. & L.  
 (Fire) ....A  
 Meyers Mfg. Co., Fred. J.  
 (Wire; Wire Moss;  
 Sponge) ....B  
 OHIO—Hillhouse  
 Harrison Bros. ....F  
 OHIO—Newton Falls  
 Newton Falls Basket Co..F  
 OHIO—North Dover  
 Oviatt Mfg. Co., C. M. ....C  
 OHIO—Oak Harbor  
 Oak Harbor Basket Co.  
 (Oak Stave) ....E  
 OHIO—Painesville  
 Robinson Basket Co. ....AA  
 OHIO—Sandusky  
 Germania Basket Co. ....E  
 OHIO—Sidney  
 Bryant, John F. ....E  
 OHIO—South Euclid  
 Reker, F. ....F  
 OHIO—Springfield  
 Reash, Andrew ....E  
 OHIO—Unionville  
 Truax, L. E. ....H  
 PA.—Beaver Falls  
 Knott, Harker & Co. (Fire-  
 place; Frames) ....AA  
 PA.—Coudersport  
 Coudersport Mfg. Co. ....C  
 PA.—Greenfield  
 Sweet, E. A. ....G  
 PA.—Lebanon  
 Shepp, N. A. ....H  
 PA.—New Brighton  
 Pittsburg Clay Mfg. Co.  
 (Hanging) ....AAAA  
 PA.—Philadelphia  
 Darby & Sons, Edw., 233  
 Arch (Sponge) ....A  
 PA.—Reading  
 Cook & Son, John ....F  
 Wunder, W. L. ....F  
 PA.—York  
 Schum, J. H. ....F  
 E. I.—Providence  
 Brown Bros. & Co. (Mill).B  
 Holbrook, A. & C. W. (Mill)  
 B  
 S. C.—Charleston  
 Charleston Basket & Veneer  
 Mfg. ....D  
 TENN.—Greenfield  
 Ward-Kent Co. (Fruit)...A  
 TENN.—Humboldt  
 Jarrell & Co., B. O. (Fruit)  
 B  
 VT.—Bellows Falls  
 Gage & Co., Sidney ....C  
 VT.—Woodstock  
 Reed Bros. ....E  
 VA.—Churchland  
 Southern Fruit Package  
 Wks. (Fruit) ....E  
 VA.—Petersburg  
 South Side Mfg. Co.  
 (Fruit) ....B  
 VA.—Suffolk  
 Virginia Mfg. Co. (Fruit).B  
 WIS.—Ellsworth  
 Ellsworth Mfg. Co. ....E  
 WIS.—Milwaukee  
 Meinecke & Son, A.  
 (Clothes; Laundry;  
 Waste Paper) ....AA  
 WIS.—Racine  
 Belle City Basket Co. ....F  
 WIS.—South Milwaukee  
 Moore Whitman Co. ....D

**BARS**

See Iron &amp; Steel

**BARS: GRATE**

See Grates

## BASSOONS

See Mus. Insts.

## BASSWOOD

See also Lumber

**MICH.**—Grand Rapids  
Grand Rapids Veneer Wks.  
AA

**MICH.**—Hermansville  
Wisconsin Land & Lumber  
Co. ....AAAA

**MINN.**—Winona  
Doud, Sons & Co. ....C  
**N. Y.**—Buffalo  
Elias & Bro., G. ....AA

## BATES

**PA.**—Philadelphia  
Harkinson & Co., Robert  
(Fanners' Safety) ....D

## BATHS

See also Tubs

**ILL.**—Chicago  
Cameron, Amberg & Co.  
(Copying Sheet) ....AA  
Eureka Blotter Bath Co.,  
6500 State (Copying  
Sheet) .....E  
Sturges & Burn Mfg. Co.  
(Plunge; Sitz) .....A

**MASS.**—Boston  
Dalton-Ingersoll Co.  
(Shower) .....X

**MO.**—St. Louis  
Nelson Mfg. Co., N. O.  
(Shower) .....AAA  
St. Louis Stamping Co.  
(Foot) .....AAAA

**N. Y.**—Brooklyn  
Sweeney Mfg. Co., W. H.  
(Sponge) .....A  
**N. Y.**—Buffalo  
Jewett Mfg. Co., Jno. C.  
(Sponge; Foot) .....AA

Shepard & Co., Sidney  
(Foot; Plunge; Sitz)....  
AAAA

**New York City**  
Cordley & Hayes (Foot;  
Infants') .....A  
Lalance & Grosjean Mfg.  
Co. (Foot; Infants')....  
AAAA

Mayor, Lane & Co. (Needle;  
Shower) .....A  
Meyer-Sniffen Co.  
(Needle; Shower) .....A

Mott Iron Wks., J. L.  
(Swimming; Needle; Rus-  
sian; Turkish) .....AA  
Stoutenborough, X.  
(Sponge) .....D

Trageer Steam Copper  
Wks., Jno., 447 W. 26th  
(Hospital; Galvanized  
Steel) .....B

**OHIO**—Cincinnati  
Cincinnati Tool Co. (Copy-  
ing Sheet; Blotter) .....B  
Globe-Wernicke Co. (Copy  
Sheet) .....AAAA

Tatum Co., Saml. C.  
(Copying Sheet) .....B  
**OHIO**—Cleveland  
Cleveland Copying Bath Co.  
(for Copy Books) .....H

**OHIO**—Mansfield  
Humphreys Mfg. Co. ....B  
**OHIO**—Toledo  
Mellink Mfg. Co. (Shower)  
C

**PA.**—Beaver Falls  
Co-op. Flint Glass Co.  
(Bird) .....A  
**PA.**—Philadelphia  
Blessing, C. A. (Shower)AA  
Boekel & Co., Wm. (Shower)  
A

Gillinder & Sons (Bird) ..A  
Cooper Brass Wks., W. S.  
(Shower) .....C

Hill Mfg. Co., B. B. (Copy-  
ing Sheet) .....B  
McCambridge & Co. (Ltd.)  
(Hip; Shower) .....B

Owen & Salter (Portable)..A

## BATHS (Con.)

**PA.**—Pittsburg  
McKee & Co., S. (Bird)...D  
Standard Mfg. Co. (Porta-  
ble; Foot; Sitz; Hip;  
Enamelled Hip; Hospital;  
Shower) .....AA  
**W. VA.**—Wheeling  
Hazel-Atlas Glass Co.  
(Bird) .....AAAA

## BATONS

**N. Y.**—Brooklyn  
Cloos, Geo. (Conductors';  
Drum Majors') .....E

## BATS

**ILL.**—Chicago  
Chicago Sporting Goods  
Mfg. Co., 126 So. Jeffer-  
son (Base Ball) .....C

**IND.**—South Bend  
South Bend Toy Mfg. Co.  
(Base Ball) .....A  
**MICH.**—Grand Rapids  
Rademaker & Sons, H.  
(Base Ball) .....E

**MICH.**—Pontiac  
Pontiac Turning Co. (Base  
Ball) .....D  
**New York City**  
Estes & Sons, E. B., 45  
John (Base Ball) .....AA

Horstman, E. I. (Base Ball)  
C  
Spalding & Bros., A. G.  
(Inc.) (Base Ball).AAAA

**N. Y.**—Sidney  
Sidney Novelty Co. (Ball)B  
**OHIO**—Cincinnati  
Goldsmith's Sons, P. (Base  
Ball) .....D

**PA.**—Monroeton  
Booth & Rockwell (Base  
Ball) .....F

**BATTERIES**

**CAL.**—San Francisco  
Union Iron Wks. (Stamp)...  
AAAA

**CONN.**—Ansonia  
Ansonia Electrical Co.  
(Closed; Open Circuits;  
Electric) .....A

**DEL.**—Wilmington  
Pusey & Jones Co. (Diffu-  
sion) .....AAA

**ILL.**—Chicago  
Allis-Chalmers Co., Home  
Ins. Bldg. (Stamp).AAAA

Birtman & Co., C. F. (Med-  
ical) .....D  
Harvard Electric Co., 224  
So. Clinton (Dry) .....D

La Salle Elect. Co., 47 W.  
Lake (Electric; Open  
Circuit) .....E

McIntosh Battery & Opti-  
cal Co. (Galvanic; Posi-  
tion; Office; Medical;  
Tartaric) .....B

Porter Battery Co. Monad-  
nock Bldg. (Electric;  
Storage) .....E

Western Electric Co., 259  
So. Clinton (Closed & Open  
Circuits; Blasting; Car-  
bon Cylinder; Dry; Chlo-  
ride of Silver) .....AAAA

**IND.**—Indianapolis  
McQuat, Robert L., 125 So.  
Meridian (Dry) .....F

**IND.**—Peru  
Peru Electric Mfg. Co. (Sal  
Ammoniac) .....A

**KANS.**—Burlington  
Electric Appliance Co. (Inc.)  
(Dry; Medical) .....D

**KANS.**—Fort Scott  
Fort Scott Fdy. & Machine  
Co. (Diffusion) .....F

**MD.**—Baltimore  
Chloride of Silver Dry Cell  
Battery Co., 409 N. Paca  
(Dry; Chloride of Silver;  
Closed Circuit; Electric;  
Medical) .....B

McRae, Hector C., 316 St.  
Paul (Storage) .....F  
Viaduct Mfg. Co., 10 So.

**BATTERIES (Con.)**

Howard (Closed Circuit) B

**MASS.—Boston**

Boston Electric Co., 29 Harrison Av. (Closed Circuit; Open Circuit) ..... B

Clark &amp; Mills, 543 Boylston (Circuit; Storage) ... D

Dow Portable Electric Co., 218 Tremont (Dry; Medical) ..... D

Electric Gas Lighting Co., 195 Devonshire (Electric; Closed Circuit; Dry) ... B

Electric Storage Supply Co., 185 Franklin (Closed Circuit) ..... A

Swett &amp; Lewis Co., 18 Boylston (Galvanic; Medical) E

**MASS.—Brookline**

Holtzer-Cabot Electric Co. (Open Circuit) ..... A

**MASS.—Peabody**

Helios-Upton Co. (Electric) X

**MINN.—Minneapolis**

Minneapolis Elect. &amp; Cons. Co., 17 S. 4th (Open Circuit) ..... E

**MO.—St. Louis**

Aloe Co., A. S. (Medical) ... A

**N. J.—Jersey City**

Otto &amp; Sons, F. G. (Medical) X

**N. Y.—Buffalo**

American Battery Co., 172 S. Clinton (Storage) ... D

National Battery Co., 368 Mass Av. (Automobile; Gas; Gasoline; Motor; Storage) ..... A

**New York City**

American Elect. Novelty &amp; Mfg. Co., 308 Hudson (Dry) ..... C

Bunnell &amp; Co., J. H., 20 Park Place (Closed Circuit; Dry; Blasting; Open Circuit; Blasting; Carbon Cylinder; Chloride of Silver; Gravity; Medical; Pocket) ..... A

Cornell Co., J. B. &amp; J. M., 26th &amp; 11th Av. (Diffusion) ..... AA

Deely &amp; Co., Robert, 507 W. 32d (Diffusion) ... AA

Edison Mfg. Co., 83 Chambers (Closed Circuit) ... AA

Edison Phonograph Agency (Medical) ..... D

Empire Storage Battery Mfg. Co., 154 E. 57th (Storage) ..... F

Gordon Battery Co., 439 E. 144th (Electric; Closed or Open Circuits) ..... B

Gordon-Burnham Battery Co. (Electric; Carbon Cylinder; Le Clanché; Primary Electric) ..... D

Gould Storage Battery Co., 25 W. 3rd (Electric; Storage) ..... D

Green &amp; Co., W., 6 Maiden Lane (Jewelers' Plating) B

Hydra Double Battery Co., 32 B'way (Dry) ..... E

Jones &amp; Son, J., 64 Cortlandt (Dry; Electric; Medical) ..... D

Krajewski-Pesant Co., 32 B'way (Diffusion) ... AA

Lafin &amp; Rand Powder Co., 99 Cedar (Blasting) ... AA

Le Clanché Battery Co. (Electric; Le Clanché) ... D

Macbeth &amp; Co., James (Blasting) ..... D

Manhattan Electrical Supply Co., 32 Cortlandt (Closed &amp; Open Circuits; Dry) ... AA

Metallic Cap Mfg. Co., 271 B'way (Blasting) ..... A

Ostrander &amp; Co., W. R. (Electric; Medical) ... B

Pearce, Frederick, 18 Rose (Closed Circuits; Electric) B

Prentiss Clock Improvement Co., 49 Dey (Dry) ..... A

Rendrock Powder Co.

**BATTERIES (Con.)**

(Blasting) ..... B

Stanley &amp; Patterson, 93 Liberty (Dry; Open Circuit) C

Storage Battery Supply Co., 239 E. 27th (Automobile; Carriage; Storage; Sparkling) ..... D

Swan Electric Mfg. Co., 59 William (Dry) ..... B

Van Houten &amp; Ten Broeck, 300 4th Av. (Open Circuit; Medical) ..... C

Williams, P. G., 6 Barclay (Faradic; Plating; Medical) ..... C

**N. Y.—Schoenectady**

General Electric Co. (Gravity) ..... AAAA

**N. Y.—Troy**

Bernard Co., E. C. (Carbon Cylinder; Le Clanché) ... D

**N. Y.—Utica**

Utica Elec. Mfg. &amp; Supply Co. (Electric) ..... X

**OHIO—Cincinnati**

Electrical Appliance Co., 138 Longworth (Closed Circuits; Dry; Open Circuit; Storage) ..... D

King Powder Co. (Electric) AAAA

**OHIO—Cleveland**

Dyer &amp; Co., E. H., Newe England Bldg. (Diffusion) A

Elwell-Parker Electric Co. (Storage) ..... A

Kilby Mfg. Co. (Diffusion) AA

National Carbon Co., Madison &amp; Highland Av. (Closed &amp; Open Circuits; Automobile; Gas &amp; Gasoline Motor; Carbon Cylinder) ..... AAAA

Nungeesser Elect. Battery Co., The, 27 King (Closed &amp; Open Circuit; Dry; Automobile; Telephone) ... E

Ohio Electric Wks., 76 Ellen (Dry; Electric; Medical) F

Willard Storage Battery Co. (Storage) ..... A

**OHIO—Dayton**

Dayton Elect. Mfg. Co. (Storage) ..... C

Dayton Mfg. Co. (Storage) A

**OHIO—Miamisburg**

Allen &amp; Co., D. H. (Dry) ... D

Miamisburg Electric Co. (Electric; Dry) ..... C

**PA.—Philadelphia**

Electric Storage Battery Co., 19th &amp; Allegheny Av. (Storage; Electric; Gravity) ..... AAAA

Electro-Dynamic Co. (Gravity) ..... A

Harrison Bros. &amp; Co., 35th &amp; Grays Ferry Rd. (Open Circuit) ..... AAAA

Helios-Upton Co., 1231 Callowhill (Storage) ..... A

Morris, Henry G., Phila. Bourse (Diffusion) ... F

Novelty Electric Co., 50 N. 4th (Closed &amp; Open Circuits) ..... C

Patrick, Carter &amp; Wilkins, 1231 Callowhill (Closed &amp; Open Circuits; Dry; Carbon Cylinder) ..... B

Vallee Bros. Electrical Co., 625 Arch (Dry) ..... B

White Dental Mfg. Co., S. S., 1130 Chestnut (Closed Circuit) ..... AAAA

**PA.—Pittsburg**

Keystone Elec. Telephone Co., 565 Diamond (Dry; Electric) ..... AAAA

Kirk &amp; Son, Arthur (Blasting) ..... X

**R. I.—Providence**

R. I. Telephone &amp; Electric Co. (Open Circuit) ... E

## BATTING

**CONN.—Montville**  
Palmer Bros. Co. (Cotton) AAAAA

**CONN.—Unionville**  
Broadbent & Son, J. (Cotton) .....B

**GA.—Atlanta**  
Fulton Bag & Cotton Mills (Cotton) .....AAAA

**MASS.—Walpole**  
Lewis Batting Co. (Cotton) C

**MASS.—Westport**  
Westport Mfg. Co. (Carpet; Cotton) .....A

**MICH.—Detroit**  
Detroit Cotton Batting Co. (Cotton) .....F

**N. Y.—Cohoes**  
Walker & Harp Mfg. Co. (Medicated Cotton) ....C

**N. Y.—Hudson**  
Hudson Fibre Co. (Fibre) .B

**N. Y.—Lockport**  
Rogers & Son, E. W. (Cotton) .....B

**OHIO—Cincinnati**  
Maish & Co., Chas. A. (Cotton) .....B

**OHIO—Lockland**  
Stearns & Foster Co. (Cotton) .....AAA

**R. I.—Pawtucket**  
Union Wadding Co. (Cotton) AAAAA

## BAUXITE

**DEL.—Wilmington**  
General Bauxite Co. ....AA

## BAYONETS

**CONN.—Hartford**  
Colts' Patent Fire Arms Mfg. Co. ....AAAA

**CONN.—New Haven**  
Winchester Repeating Arms Co. ....AAAA

**MASS.—Chicopee**  
Ames Sword Co. ....B

**MASS.—Chicopee Falls**  
Stevens Arms & Tool Co., J. A

## BAYRUM

See Rum

## BEADERS

**CONN.—New Britain**  
Stanley Rule & Level Co. (Hand) .....AAA

**ILL.—Chicago**  
Allis-Chalmers Co., Home Ins. Bldg. (Sheet Metal) AAAAA

**N. Y.—Buffalo**  
Niagara Mach. & Tool Wks. (Hand; Sheet Metal) .AAA

**New York City**  
Peck, Stow & Wilcox Co., 27 Murray (Hand; Sheet Metal) .....AAAA

## BEADS

See also Jewelry

**New York City**  
Goodman & Byck (Coral) .F

**OHIO—Miles**  
Bostwick Steel Lath Co. (Corner) .....C

**OHIO—Youngstown**  
Youngstown Iron & Steel Roofing Co. (Corner) .AA

**R. I.—Providence**  
Lewis & Co., S. M. (Coral) X

**Lorsch & Co., Albert** (Coral) AAA

**Wall & Co., A. T.** (Gold & Silver; Seamless) .....C

## BEAMERS

See also Machinery

**MASS.—Lowell**  
Entwistle Co., T. C. ....B

## BEAMERS (Con.)

**MASS.—Worcester**  
American Card Clothing Co. AAA

**N. J.—Paterson**  
Paterson Machine Works..F

**PA.—Philadelphia**  
Butterworth & Sons Co., H. W. ....B

**W.**  
Fairmount Machine Co....A

**Furbush & Son Mach. Co., M. A.** .....A

**Hughes & Russum** .....B

**Smith Woolen Mchry. Co., Jas., 411 Race** .....AA

## BEAMS

See also Iron & Steel; Lumber

**ALA.—Birmingham**  
Birmingham Rolling Mill Co. (Iron) .....AAAA

**CONN.—Southington**  
Peck, Stow & Wilcox Co. (Scale) .....AAAA

**DEL.—Wilmington**  
Davis Pressed Steel Co. (Brake) .....B

**ILL.—Bradley**  
Bradley Mfg. Co., David (Cultivator) .....AAA

**ILL.—Chicago**  
Chicago Railway Equipment Co., 40th & Princeton Av. (Brake) .....AA

**Chicago Scale Co. (Cotton; Hopper; Scale)** .....A

**Fairbanks, Morse & Co. (Cotton; Scale)** .....AAAA

**Goodrow Moulding Co., 719 W. Lake (Ceiling)** ....X

**Republic Iron & Steel Co., Stock Exch. Bldg. (Channels)** .....AAAA

**ILL.—Rock Island**  
Rock Island Plow Co. (Cultivator) .....AAA

**IND.—Terre Haute**  
United States Scale Co. (Hopper) .....A

**IOWA—Burlington**  
Murray Iron Works Co. (Steel) .....A

**IOWA—Davenport**  
Bettendorf Axle Co. (Brake) AA

**MD.—Baltimore**  
Poole & Son Co., Robert (Duck Loom) .....A

**MASS.—Lowell**  
Lowell Machine Shop (Warper) .....AAAA

**MO.—St. Louis**  
Damascus Brake Beam Co., 2d & Washn. (Brake) .B

**NEBR.—Omaha**  
Paxton & Vierling Iron Wks. (Iron; Steel) .....A

**N. J.—Paterson**  
Passaic Steel Co. (& Channels) .....A

**N. J.—Trenton**  
Trenton Iron Co. (Br. N. Y. City) (Iron) .....AA

**N. Y.—Binghamton**  
Jones of Binghamton (Cotton) .....A

**N. Y.—Buffalo**  
Buffalo Scale Co. (Cotton; Hopper; Scale) .....AA

**New York City**  
Chatillon & Sons, Jno., 85 Cliff (Cotton; Scale) ..A

**Cornell Co., J. B. & J. M. (Iron; Steel)** .....AA

**Dimond, Thos. (Iron; Iron Tank)** .....A

**Fairbanks Co., 416 Broome (Cotton; Scale)** .....AAAA

**Forschner & Sons, Chas., 206 E. 19th (Meat)** .....X

**Page, Dennis & Co. (Cotton)** B

**OHIO—Bucyrus**  
Shunk Plow Co. (Plow) ...C

**OHIO—Cleveland**  
Forest City Steel & Iron Co. (& Channels) .....A

**OHIO—Hudson**  
Shields, E. B. (Plow) ....F



**BEANS (Con.)**

**OHIO—Kenton**  
Champion Iron Co. (Iron) AA

**OHIO—Toledo**  
Donovan Wire & Iron Co.  
( & Channels) .....C

**OHIO—Youngstown**  
Pollock & Co., Wm. B.  
(Iron) .....B

**PA.—Harrisburg**  
Harrisburg Pipe & Pipe  
Bending Co. ( & Channels) AA

**PA.—Lebanon**  
American Iron & Steel Mfg.  
Co. (Brake) .....AAAA

**PA.—Philadelphia**  
Allison Mfg. Co., 32d &  
Walnut (Brake) .....AAA

Phoenix Bridge Co. (Iron;  
Channel; Iron Desk;  
Steel) .....A

Phoenix Iron Co. ( & Chan-  
nels) .....D

Roberts Co., A. & P. (Steel;  
Steel Desk) .....AA

Sterlingworth Railway Sup-  
ply Co., North American  
Bldg. (Brake) .....B

**PA.—Pittsburg**  
American Iron & Steel Co.  
(Steel) .....D

American Steel Hoop Co. ( &  
Channels) .....AAAA

Carnegie Steel Co., Ltd.  
(Iron) .....AAAA

Jones & Laughlin Steel Co.  
( & Channels) .....AAAA

Lanz & Sons, Matthew ( &  
Channels) .....B

Pressed Steel Car Co.  
(Brake) .....AAAA

Scaife & Sons Co., W. B.  
( & Channels) .....A

Standard Scale & Supply  
Co., Ltd. (Cotton; Hop-  
per) .....B

Standard Steel Car Co.,  
Frick Bldg. (Brake) ..B

**PA.—Pottsville**  
Pottsville Iron & Steel Co.  
(Iron) .....X

**PA.—Steelton**  
Pennsylvania Steel Co.  
(Steel) .....AAAA

**PA.—York**  
Variety Iron Works (Iron).A

**BEANS: BAKED**

**ILL.—Bloomington**  
Bloomington Canning Co...B

**ILL.—Chicago**  
Armour & Co., 205 La Salle  
AAAA

**ILL.—Elgin**  
Elgin Packing Co. (Canned  
Lima) .....B

**ILL.—Eureka**  
Dickinson & Co. ....C

**IND.—Indianapolis**  
Columbia Conserve Co....A

Huffman Packing Co., W.  
D., 24 Dunlap .....C

Van Camp Packing Co.  
(Canned) .....AA

**IOWA—Glenwood**  
New Glenwood Canning Co.C

**MAINE—Portland**  
Burnham & Merrill Co...AA

**MASS.—Boston**  
Pickert Fish Co., L. ....C

Potter & Wrightington  
(Canned) .....AA

**MICH.—Adrian**  
Acme Preserving Co.....D

**MICH.—Ludington**  
Pere Marquette Canning Co.  
E

**N. Y.—Buffalo**  
Erie Preserving Co.  
(Canned) .....AAA

**N. Y.—Rochester**  
Curtice Bros. Co. (Canned)  
AAA

**OHIO—Barnesville**  
Barnesville Canning & Pack-  
ing Co. (The) .....D

**OHIO—Canton**  
Jackson Canning Co.....D

**OHIO—Cincinnati**  
Loudon, Chas. F., Court &  
Sycamore .....C

**BEANS, BAKED (Con.)**

National Pure Food Co., 920  
Sycamore .....C

**Weller Co., J., Spring Grove**  
& Ala. Ays. ....A

**OHIO—Cleveland**  
Haserot Canneries Co.  
(Canned) .....B

**PA.—Allegheny**  
Lutz & Schramm Co....AA

**PA.—Pittsburg**  
Heins Co., H. J. ....AAAA

**WIS.—Fort Atkinson**  
Fort Atkinson Canning Co.  
D

**WIS.—Waukesha**  
Waukesha Canning Co. ...B

**BEANS:****CANNED**

See Canned Goods

**BEANS:****DRIED**

**CAL.—Hueneme**  
Levy, A. ....A

**CAL.—Los Angeles**  
Backer & Co., F. W....D

Germain Fruit Co. ....A

Simpson & Hack Fruit Co.  
O

**CAL.—Sacramento**  
Henderson & Longton ....C

**CAL.—San Francisco**  
Barnard & Co., W., 202 Sac-  
ramento .....B

California Commission Co.,  
124 California .....B

Denison & Co., W. E., 117  
Sacramento .....B

Johnson-Locke Mercantile  
Co., 123 California .....A

Scatena & Co., L., 104  
Washington .....B

Schultz-Hansen Co., 808  
Davis .....D

**CAL.—Santa Ana**  
Santa Ana Produce Co....C

**ILL.—Chicago**  
Dickinson & Co., Albert,  
West Taylor & The River  
AA

**MICH.—Allegan**  
Sutphin & Co., B. B. (Ship-  
per) .....C

**MICH.—Ann Arbor**  
Michigan Milling Co. ...AA

**MICH.—Bangor**  
Smith Edgar (Buyer & Ship-  
per) .....B

**MICH.—Battle Creek**  
McLane, Swift & Co.....C

Michigan Canning & Pre-  
serving Co. ....A

Rupert & Morgan .....D

**MICH.—Bay City**  
Buck, H. E., (Shipper)...D

**MICH.—Bayport**  
Wallace & Orr Co. ....B

**MICH.—Belding**  
Chapple, E. ....F

**MICH.—Benton Harbor**  
Morrow & Stone (Shippers)  
D

**MICH.—Birch Run**  
Wolohan, Charles (Whole-  
sale Shipper) .....D

**MICH.—Bravo**  
Nash, W. A. ....D

**MICH.—Caro**  
Kelsey & Co., F. E. (Ship-  
per) .....D

**MICH.—Carson City**  
Rockafellow Grain Co. .D

**MICH.—Charlotte**  
Packard, O. E. (Shipper)  
O

**MICH.—Chebaning**  
Ainsworth, H. N. ....D

**MICH.—Clyde**  
Baker, W. W. (Shipper)..B

**MICH.—Davisburg**  
Walls, W. S. (Shipper)..D

**MICH.—Detroit**  
Caughy & Curran, Chamber  
of Commerce .....A

**MICH.—Horning, J. T., Chamber of**

**BEANS, DRIED (Con.)**

Commerce ..... B  
**MICH.**—Elk Rapids  
 Lang, M. B. (Shipper).... C  
**MICH.**—Fennville  
 Whitbeck & Orr (Shippers) D  
**MICH.**—Flint  
 Flint Produce & Coal Co. B  
 Putnam & Co., E. (Ship-  
 pers) ..... B  
 Switzer Bros. (Shippers) .. D  
**MICH.**—Flushing  
 Ottaway & Co., J. E. .... D  
**MICH.**—Grand Blanc  
 Crapser & Walker ..... D  
**MICH.**—Grand Ledge  
 Doty & Doty ..... D  
**MICH.**—Grand Rapids  
 Metzger, C. B. (Shipper) .. C  
 Moseley Bros. .... A  
**MICH.**—Grass Lake  
 Parsons & Hobart (Shippers) D  
**MICH.**—Greenville  
 Gibson & Co., C. H. (Ship-  
 pers) ..... C  
 Miller & Miller ..... D  
**MICH.**—Hamburg  
 Watkins, J. J. .... D  
**MICH.**—Haslett  
 Babbitt, E. M. .... D  
**MICH.**—Highland Station  
 Seaver & Co. .... X  
**MICH.**—Howard City  
 Lovely, W. H. (Shipper) .. A  
**MICH.**—Howell  
 Keary, A. J. (Shipper) ... C  
**MICH.**—Jackson  
 Helling & Co. .... D  
 Isbell & Co., S. M. .... C  
 McQuillan & Sons, M. (Ship-  
 pers) ..... D  
 Stockbridge Elevator Co. .. D  
**MICH.**—Leslie  
 Prescott & Co., W. F. .... B  
**MICH.**—Marlette  
 Mathews, Wm. L. (Estate  
 of) ..... D  
 Wilson & Co., H. W. (Ship-  
 pers) ..... D  
**MICH.**—Mason  
 Coy & Co., R. G. (Shippers) D  
**MICH.**—Midland  
 Baker, W. L. (Shipper) .. D  
 Beardon Bros. Mercantile  
 Co. (Shippers) ..... D  
**MICH.**—Milford  
 Weaver & Watkins ..... C  
**MICH.**—Morrice  
 Towner Co., F. M. .... D  
**MICH.**—Napoleon  
 Griffin, E. L. .... D  
**MICH.**—Nashville  
 Townsend, R. (Shipper) .. D  
**MICH.**—Onsted  
 Onsted & Kerr ..... D  
**MICH.**—Orion  
 Swarzee, George ..... C  
**MICH.**—Pigeon  
 Leipprandt Bros. (Shippers) C  
**MICH.**—Plainwell  
 Harwood & Co., F. A. .... D  
**MICH.**—Plymouth  
 McLaren & Co., J. D. .... B  
**MICH.**—Pontiac  
 Richmond Produce Co. .. D  
**MICH.**—Port Huron  
 McMorran Milling Co. ... A  
**MICH.**—Reese  
 Donaldson & Co. (Shippers) D  
**MICH.**—Richmond  
 Richmond Elevator Co. .. B  
**MICH.**—St. Louis  
 Bernard & Son, J. W. .... D  
**MICH.**—Sebawaing  
 Liken & Co., John A. .... A  
**MICH.**—Sparta  
 Johnson & Co., A. A. (Ship-  
 pers) ..... B  
**MICH.**—Stanton  
 Devine, Patrick J. .... D  
**MICH.**—Stockbridge  
 De Puy Co., C. E. (Pea) .. B  
**MICH.**—Sturgis  
 Jacobs & Co., A. .... D  
**MICH.**—Traverse City  
 Keeney & Son, N. B. (Ship-  
 pers) ..... A  
 Morgan & Son, J. C. .... D

**BEANS, DRIED (Con.)**

**MICH.**—Unionville  
 Kemp, J. H. (Shipper) .... D  
**MICH.**—Waterford  
 Cross & Wager Co. .... D  
**MICH.**—Williamston  
 Corwin, O. D. .... D  
**MICH.**—Zeeland  
 Lahuls & Co., Albert .... B  
**N. Y.**—Albion  
 Skinner, H. W. .... D  
 Tilden, M. W. .... C  
**N. Y.**—Brookport  
 Dailey Bean Co. .... B  
 Harrison Co., Hy. .... B  
 Raymond Co. .... B  
**N. Y.**—Castile  
 Coleman, L. S. .... D  
**N. Y.**—Cato  
 Hapeman & Goodfellow ... C  
**N. Y.**—Cohoes  
 Rogers & Son, A. .... D  
**N. Y.**—Genesee  
 Belden & Co. .... C  
**N. Y.**—Geneva  
 Dilman Bros. .... C  
**N. Y.**—Groveland Station  
 Ewart & Lake ..... D  
**N. Y.**—Holley  
 Partridge & Son, D. H. .... D  
**N. Y.**—Le Roy  
 Gleason, P. .... B  
**N. Y.**—Livonia Station  
 Belden & Co. .... C  
**N. Y.**—Lockport  
 Shaeffer, W. E. .... C  
**N. Y.**—Marion  
 Malcolm & Co., J. B. .... D  
**N. Y.**—Middleport  
 Prisch, D. L. .... D  
**N. Y.**—Moscow  
 Belden & Co. .... C  
 New York City  
 Crooks & Co., Robt., 136  
 Front ..... AA  
 Hartwig & Bennett, 61 N.  
 Moore ..... A  
 Starace, Achille, 76 Pearl  
 (Importer) ..... B  
 Wakeman & Co., John, 65  
 Broad ..... AA  
**N. Y.**—North Rose  
 Hill, John ..... D  
**N. Y.**—Palmyra  
 Bennett & Mason .. .... D  
**N. Y.**—Penn Yan  
 Birkett Mills ..... A  
 Fenner, B. F. (Shipper) .. D  
**N. Y.**—Pierrepont Manor  
 Grenell, W. H. .... D  
**N. Y.**—Rochester  
 Doyle & Co., M. .... A  
 Ferrin Bros. Co. .... B  
 Upton & Co., E. M. .... AA  
**N. Y.**—Spencerport  
 Goff, H. H. .... C  
**N. Y.**—Springwater  
 Willis & Withington .... D  
**N. Y.**—Tuscarora  
 Creveling, W. M. .... D  
**N. Y.**—Waterport  
 Harris, R. W. .... D  
**N. Y.**—Wyoming  
 Howard, S. .... C  
**N. Y.**—York  
 Stewart, C. N. .... B  
**WIS.**—Berlin  
 Safford, M. .... D  
 Stedman & Sons, H. .... C  
**WIS.**—Cambria  
 Roberts, E. O. .... C  
**WIS.**—Colona Station  
 Follett, Vilas (Shipper) .. D  
**WIS.**—De Pere  
 Dousman Milling Co., John  
 P. .... B  
**WIS.**—Fall Creek  
 Niebuhr, Wm. .... D  
**WIS.**—Green Bay  
 Smith Bros. .... D  
**WIS.**—Milwaukee  
 Courteen, S. G., 54 2d. .... C  
 Pierce Co., A. J. W., 305  
 Broadway ..... B

**BEANS:****VANILLA**

**CAL.**—San Francisco  
 California Commission Co.,  
 124 California ..... B  
 Erlenbach, M., 320 Battery  
 F

**BEANS: VAN (Con.)**  
 Lueders & Co., Geo., 124  
 Market .....A  
 Thayer, I. E., 28 California  
 A  
 Thamhauser & Co., 311 Cal-  
 ifornia .....A  
 Wightman, J. Jr., 309 Cal-  
 ifornia .....B  
**ILL.—Chicago**  
 Omo & Co., H. V. ....C  
**MASS.—Boston**  
 Goodwin & Co., H. W., 78  
 Broad .....B  
 New York City  
 Bush & Co., W. J., 5 Jones  
 La. (Br. London, Eng.)AA  
 Dodge & Olcott .....AAA  
 Fuerst Bros. & Co., 2 Stone  
 B  
 Green & Co., D. E., 1 Platt  
 A  
 Lueders & Co., Geo., 218  
 Pearl .....A  
 Manheimer & Eben, 28 Gold  
 C  
 Magnus & Lauer .....B  
 Thurston & Braidich, 130  
 William .....AA  
 Tyler & Finch Co., 13 Gold  
 A  
**PA.—Philadelphia**  
 Fleer & Co., Frank H., Ham-  
 ilton & 24th .....AA  
 Hires Co., C. E., 17 S.  
 Front .....AA  
 Ingersoll & Co., 163 N.  
 Front .....D

## BEARERS

**OHIO—Cleveland**  
 Chandler & Price Co. (Print-  
 ers' Roller) .....A

## BEARINGS

**CONN.—Bantam**  
 Bantam Mfg. Co. (Ball;  
 Roller Thrust) .....F  
**CONN.—Bridgeport**  
 Armstrong Mfg. Co. (Anti-  
 Friction) .....A  
 Bridgeport Deoxidized  
 Bronze & Metal Co. (Anti-  
 Friction; Journal; Lead-  
 lined; Car Journal) ....C  
 Sanford, D. C., (Car Jour-  
 nal) .....F  
**CONN.—New Britain**  
 New Britain Hdw. Mfg. Co.  
 (Ball) .....B  
**CONN.—New Haven**  
 Graham & Co., Jas., (Anti-  
 Friction; Journal) ....A  
**DEL.—Wilmington**  
 Diamond State Car Spring  
 Co. (Journal; Car Jour-  
 nal) .....D  
 Wilmington Malleable Iron  
 Co. (Malleable Iron Anti-  
 Friction) .....A  
**ILL.—Aurora**  
 Wilcox Mfg. Co. (Ball) ..B  
**ILL.—Chicago**  
 Besly & Co., Chas. H., (Anti-  
 Friction; Journal) ....AA  
 Caldwell & Son Co., H. W.,  
 (Ring Oiling) .....A  
 Chicago Railway Equipmt.  
 Co. (Slide for Cars) ....AA  
 Hewitt Mfg. Co. 21 Ontario  
 (Anti-Friction; Journal) B  
 Jones Fdry. & Machine Co.,  
 W. A., 143 W. North Av.  
 (Anti-Friction) .....C  
 Link Belt Mchry. Co.  
 (Shaft) .....A  
 McCord & Co. 84 Van Buren  
 (Torrey Anti-Friction) D  
 McGuire-Cummings Mfg. Co.  
 122 N. Sagamon (Journal;  
 Car Journal) .....A  
 Nat'l. Railway Specialty Co.  
 (Journal) .....D  
 Railroad Supply Co. Old  
 Colony Bldg. (Anti-Fric-  
 tion; Journal) .....A  
 Raymond Lead Co. 51 W.  
 Lake ..(Anti - Friction)  
 AAAA  
 Sellers Mfg. Co. (Anti-Fric-  
 tion) .....B  
 Webster Mfg. Co. 1075 W.  
 15th (Self Oiling) ..AA

**BEARINGS (Con.)**  
**IND.—Hammond**  
 Simplex Railway Appliance  
 Co. (Journal; Roller) ..A  
**IOWA—Ottumwa**  
 Johnston & Sharp Mfg. Co.  
 (Ball) .....D  
**KANS.—Leavenworth**  
 Great Western Mfg. Co.  
 (Anti-Friction; Journal)  
 AA  
**MAINE—Bath**  
 Watson, Frye & Co. (Jour-  
 nal) .....D  
**MAINE—Portland**  
 Portland Co. (Anti-Friction)  
 AA  
**MD.—Baltimore**  
 Aumen Machinery & Supply  
 (Anti-Friction) .....D  
 Baltimore Ball Bearing Co.  
 Calvert Bldg. (Ball) ...A  
 Poole & Son Co., Robt.,  
 (Step; Thrust; Angle) A  
 Shultz & Co., A., 1016 E.  
 Balto. ("Eureka" Anti-  
 Friction) .....A  
**MASS.—Boston**  
 American Roller Bearing Co.  
 40 Binford (Roller) ..B  
 Boston & Lockport Block  
 Co. (Self-Oiling) .....B  
 Merrill & Co., W. B., 74  
 India (Anti-Friction) ..E  
 Phillips Co., The 197 High  
 (Anti-Friction; Fountain)  
 D  
**MASS.—Fitchburg**  
 Hardy, Wm. A., (Anti-Fric-  
 tion; Journal) .....B  
**MASS.—Pittsfield**  
 Jones & Sons Co., E. D.,  
 (Anti-Friction; Journal) B  
**MASS.—Springfield**  
 Bemis Car Box Co. (Car  
 Journal) .....B

**MICH.—Detroit**  
 Fulton Iron & Engine Wks.  
 28 Brush (Anti-Friction;  
 Journal) .....AA  
 Muzzy-Lyon Co. 58 Wood-  
 ward Av. (Anti-Friction;  
 Electrical; Journal; Mo-  
 tor) .....F  
 Nat'l. Fulton Brass Mfg. Co.  
 28 Brush (Brass; Bronze;  
 Anti-Friction; Journal)AA  
 AA  
 Wing & Co. J. T., (Granite)  
 19 Woodward Av. (Anti-  
 Friction; Electrical; Gra-  
 phite Motor) .....D  
**MICH.—Grand Rapids**  
 Hayden & Co., J. M., (Anti-  
 Friction) .....D  
**MICH.—Jackson**  
 Schieffler Roller Bearing Co.  
 D  
**MICH.—Saginaw**  
 Moffett Vehicle Bearing Co.  
 (Roller; Vehicle) .....B  
**MINN.—Minneapolis**  
 Minn. Steel & Machy. Tool  
 Co. (Ring Oiling) .....A  
**MO.—St. Louis**  
 Garratt Brass Fdry. Co., J.  
 W., 2028 Walnut (Jour-  
 nal; Anti-Friction) ....B  
 Hertz Roller Bearing Co.  
 10th & Poepping (Anti-  
 Friction) .....D  
 Medart Patent Pulley Co.  
 3500 DeKalb (Shaft; Anti-  
 Friction; Self Oiling;  
 Self Oiling Journal) ..AA  
 More-Jones Brass & Metal  
 Co., 3138 N. Bway. (Anti-  
 Friction; Journal; Slide)  
 A  
 St. Louis Car Co., 8000 N.  
 Bway. (Electrical; Jour-  
 nal; Spiral) .....AA  
 Spiral Journal Bearing Co.  
 (Journal; Spiral) .....A  
 Standard Railway Equipmt.  
 Co., Union Trust Bldg.  
 (Pneumatic Roller) ....D  
 Western Electrical Supply  
 Co. (Car Journal) .....A  
**N. J.—Belleville**  
 Eastwood Wire Mfg. Co.  
 (Anti-Friction) .....A  
**N. J.—Bound Brook**  
 Graphite Lubricating Co.

**BEARINGS (Con.)**

(Anti-Friction; Electrical; Graphite Motor; Trolley Wheel; Clutch Pulley; Journal; Loose Pulley; Step; Woodworking Machine; Car Journal) .....A  
**N. J.—Harrison**  
 Hyatt Roller Bearing Co. (Anti-Friction; Journal; Shaft; Roller; Self Oil-ling) .....B  
**N. J.—Jersey City**  
 Brady Brass Co., 204 10th (Anti-Friction; Journal; Motor) .....B  
 Williams & Son, E. A., (Anti-Friction; Journal; Car Journal) .....AA  
**N. Y.—Auburn**  
 Auburn Ball Bearing Co. (Ball) .....B  
**N. Y.—Brooklyn**  
 Columbia Mach. Wks. & Malleable Iron Co., 167 Chestnut (Anti-Friction; Journal; Motor) .....C  
**N. Y.—Buffalo**  
 Magnus Metal Co., 820 Elliott Sq. (Anti-Friction; Magnus Metal; Tanite Bronze; Lead Lined; Journal; Electrical; Shaft; Side) .....AAAA  
**N. Y.—Long Island City**  
 North American Metaline Co. (Oilless; Shaft; Journal; Anti-Friction) ....X  
**New York City**  
 Brown Co., A. & F., 26 Cortlandt (Anti-Friction; Journal; Step) .....A  
 Koppel, Arthur, 66 Broad (Roller) .....AA  
 Lassberger, Marks & Son 397 W. 12th (Anti-Friction) .....B  
 McKenna & Bro. J. J., 424 E. 23d (Journal; Car Journal) .....F  
 Magnolia Metal Co., 511 W. 13th (Metal; Anti-Friction; Journal; Car Journal) .....A  
 Nat'l. Lead Co., 100 William (Anti-Friction; Journal; Motor) .....AAAA  
 Wendell & McDuffie (Car Journal) .....B  
**N. Y.—Syracuse**  
 Empire Metal Co., 118 Grape (Anti-Friction) .....A  
**N. Y.—Troy**  
 Taylor Elec. Truck Co. (Journal) .....B  
**N. Y.—Watervliet**  
 Meneely & Son, Geo. R., (Anti-Friction; Journal; Car Journal) .....A  
**OHIO—Canton**  
 Timken Roller Bearing Axle Co. (Roller; Vehicle; Automatic) .....B  
**OHIO—Cincinnati**  
 Edna Smelting & Refining Co., 525 Reading Rd. (Metal; Graphite; Journal) .....B  
**OHIO—Cleveland**  
 Atlas Car & Mfg. Co. (Roller) .....A  
 Federal Mfg. Co. (Wringer) .....AAAA  
 U. S. Bronze Co., 145 Columbus, (Anti-Friction; Journal) .....B  
 Van Dorn & Dutton & Co. (Anti-Friction; Journal; Car Journal) .....B  
**OHIO—Columbus**  
 Case Mfg. Co. (Oilless Shaft; Ring Oiling) ..A  
**OHIO—Dayton**  
 Buckeye Iron & Brass Wks. 3d Wyandot (Anti-Friction) .....A  
**OHIO—Mansfield**  
 Mansfield Tempered Copper Co. (Anti-Friction; Journal; Motor; Car Journal; Electrical) .....A  
 Ohio Brass Co. (Anti-Friction; Electrical; Journal; Car Journal) .....B  
**OHIO—Piqua**

**BEARINGS (Con.)**

Piqua Handle & Mfg. Co. (Wood) .....A  
**OHIO—Youngstown**  
 Falcon Bronze Co. (Anti-Friction) .....D  
**PA.—Allegheny**  
 Damascus Bronze Co., 928 South Av. (Journal) ..A  
**PA.—Bradford**  
 Stilson Mfg. Co. (Roller; Ball) .....AAA  
**PA.—Chester**  
 Chester Steel Casting Co. (Journal) .....AAA  
 Crown Smelting Co. (Anti-Friction; Journal; Locomotive) .....A  
 Vulcan Wks. (Anti-Friction) .....B  
**PA.—Fullerton**  
 Lehigh Car Wheel & Axle Wks. (Anti-Friction) .....AAAA  
**PA.—Nazareth**  
 Nazareth Fdry. & Machine Co. (Ring Oiling) .....B  
**PA.—Philadelphia**  
 Ajax Metal Co., 46 Richmond (Anti-Friction; Journal) .....AA  
 Allison Mfg. Co., 82d & Walnut (Journal; Self-Oiling; Car Journal) .AAAA  
 Ball Bearing Co. 2322 Market (Ball; Roller; Thrust) .....X  
 Brill Co., J. G., 62d & Woodland Av. (Journal; Self-Oiling; Car Journal) .....AAAA  
 Cresson Co., Geo. V., (Step; Angle; Ring Oiling) AA  
 Fairmont Machine Co., 22d & Wood (Self-Oiling; Journal; Step) .....A  
 Holmes Fibre Graphite Mfg. Co., 5155 Wakefield (Electrical; Graphite) .....D  
 Klein, Chas. C., 2850 N. Marshall (Self-Oiling; Step for Vertical Shafts; Self Oiling Journal) ..D  
 McHatton Smelting Co. 1500 Wash. Av. (Anti-Friction) .....E  
 Mayer & England 1024 Filbert (Journal Car Journal) .....A  
 Merchant & Co., 517 Arch (Anti-Friction; Motor) AA  
 Phillips & Sons Co., F. R., Harrison Bldg. (Anti-Friction; Journal) .....D  
 Phosphor Bronze & Smelting Co., 2200 Wash. Av. (Anti-Friction; Journal) .....B  
 Pressed Steel Mfg. Co., The Bourse (Ball) .....O  
 Reeves & Son, Paul S., 1413 Catherine (Anti-Friction; Journal; Electric; Motor; Car Journal) .....B  
 Standard Roller Bearing Co., 48th & Girard Av. (Roller) .....B  
**PA.—Pittsburg**  
 Hyde Bros. & Co., Lewis Bldg. (Anti-Friction) ..B  
 Jones & Laughlins Steel Co. (Self-Oiling) .....AAAA  
 Kinzer & Jones Mfg. Co. (Anti-Friction) .....X  
 Lawrenceville Bronze Co., 3046 Penna. Av. (Bronze; Metal; Anti-Friction) ..D  
 Nuttall Co., R. D., Fayette & Garrison (Motor; Axle; Car Journal) .....A  
 Pittsburg White Metal Co., 1739 Liberty Av. (Anti-Friction; Bronze Metal; Electrical; Motor) ....B  
**PA.—Wilkesbarre**  
 Vulcan Iron Wks. (Step) .....AAAA  
**R. I.—Providence**  
 Amer. Ball Co. (Ball; Roller; Thrust) .....D  
 Moosberg, Granville Mfg. Co. (Roller; Thrust) ..A  
 Standard Mchry. Co. (Ball; Roller; Thrust) .....A  
**R. I.—Woonsocket**

**BEARINGS (Con.)**

Woonsocket Mach. & Press Co. (Anti-Friction; Self-Oiling; Self-Oiling Journal) .....AA  
**TENN.—Chattanooga**  
 Frictionless Metal Co. (Anti-Friction; Electrical; Journal Motor; Machinery) ..C  
**TENN.—Knoxville**  
 Knoxville Iron Co. (Angle) .....AA  
**WIS.—Milwaukee**  
 Filler & Stowell Co. (Ltd.) (Journal) .....AAA  
 Milwaukee Brass & Copper Wks. (Car Journal) ....C

**BEATERS**

**CONN.—Freeport**  
 Arcade Mfg. Co. (Carpet) A  
**CONN.—Meriden**  
 Manning, Bowman & Co. (Culinary) .....AAA  
**CONN.—New Britain**  
 Landers, Frary & Clark (Culinary) .....AAA  
 Taplin Mfg. Co. (Egg) ..D  
**CONN.—Torrington**  
 Turner & Seymour Mfg. Co. (Culinary) .....A  
**CONN.—Unionville**  
 Humphrey, H. W., (Culinary) .....D  
**MD.—Baltimore**  
 Sinclair-Scott Co. (Culinary) E

**MASS.—Cambridge**  
 Dover Stamping & Mfg. Co. (Egg) .....O  
**MASS.—Lowell**  
 Woods, Sherwood & Co. (Culinary) .....E

**MASS.—Worcester**  
 National Mfg. Co. (Culinary; Egg) .....A  
 Parks Wire Goods Co. (Egg) D

Wire Goods Co. (Culinary; Egg) .....A

**MINN.—Minneapolis**  
 Lloyd Mfg. Co. (Carpet; Clothes) .....A

**N. Y.—Auburn**  
 Cady Mfg. Co. (Carpet; Rug) .....G

**N. Y.—Buffalo**  
 Western Wire Goods Co. (Clothes; Carpet; Etc.) D

**N. Y.—Kingston**  
 Browne Mfg. Co., W. G., (Egg) .....E

**New York City**  
 Lalance & Grosjean Mfg. Co. (Culinary) .....AAAA

**Silver & Co. (Inc.)** (Culinary) .....E

**Stoutenborough, X.,** (Culinary) .....D

**Thurnauer & Bro., G. M., 35**  
 Park Pl. (Egg) .....X

**N. Y.—Tarrytown**  
 Holt & Lyon Co. (Clothes; Carpet; Egg) .....F

**N. Y.—Troy**  
 Parks & Parks (Culinary; Rug) .....D

**N. Y.—Windsor**  
 Carpet Beater Co. (Carpet) C

**OHIO—Cincinnati**  
 Day & Co., J. H., (Culinary; Egg) .....A

**Randall & Co. (Hair)** ....B

**OHIO—Hamilton**  
 Meyers Mfg. Co., F. J., (Egg) .....B

**PA.—Corry**  
 Raymond Mfg. Co. (Clothes; Carpet) .....B

**PA.—Philadelphia**  
 Darby & Sons, Edw. (Egg) A

**Fries Sons, Geo., 900 Filbert**  
 (Egg; Cream) .....D

**Weston & Wells Mfg. Co.**  
 (Braided Wire Egg) ..B

**PA.—Pittsburg**  
 National Mfg. & Supply Co., 301 Smithfield (Egg; Cream) .....E

**BEAVERS**

See Woolen Goods

**BECKS**

**N. J.—Paterson**  
 Watson Machine Co. (Dye)A  
**PA.—Philadelphia**  
 Butterworth & Sons Co., H. W., (Dye) .....A  
**R. I.—Woonsocket**  
 Woonsocket Machine & Press Co. (Dye) .....AA

**BEDDING**

**ALA.—Birmingham**  
 Birmingham Mattress Co. (Mattresses; Springs; Cots; Pillows) .....E  
 Perfection Mattress Co. ....C

**ARK.—Centre Point**  
 Centre Point Woolen Mills (Blankets) .....C

**ARK.—Fort Smith**  
 Perfection Bedding Co. (Mattresses; Pillows) C

**ARK.—Little Rock**  
 Oates Mattress Co. (Mattresses) .....D

**ARK.—Pine Bluff**  
 Pine Bluff Bedding Co. (Mattresses) .....D

**CAL.—San Francisco**  
 Bernard Mattress Co. (Mattresses; Pillows) .....A

**Crescent Feather Co.** (Mattresses; Feathers; Pillows) .....D

**Frank, H. W.,** (Mattresses) B

**Golden Gate Woolen Mfg. Co., Bryant & 19th** (Woolen Blankets) .....A

**Schrock, W. A.,** (Mattresses) B

**CAL.—Santa Rosa**  
 Santa Rosa Woolen Mills (Woolen Blankets) ....C

**CAL.—Stockton**  
 Stockton Woolen Mills (Blankets) .....C

**COLO.—Denver**  
 Kent & Stuchfeld (Mattresses; Pillows) .....A

**Kindel, Geo. J.,** (Mattresses; Comforters) .....B

**COLO.—Fueblo**  
 Colorado Bedding Co. (Mattresses) .....D

**CONN.—Hartford**  
 Hartford Woven Wire Mattress Co. (Wire Mattresses) .....B

**CONN.—Montville**  
 Palmer Bros. Co. (Cotton Comfortables) .....AAAA

**CONN.—New Haven**  
 Savage & Co., R. B., (Mattresses) .....C

**CONN.—Saugatuck**  
 Wakeman, Rufus (Mattresses) .....C

**D. C.—Washington**  
 Loewenthal, Wm., (Mattresses) .....D

**Stumph & Lyford** (Mattresses; Pillows) .....A

**GA.—Atlanta**  
 Southern Spring Bed Co. (Mattresses; Pillows) C

**GA.—Columbus**  
 Hamburger Cotton Co. (Bedspreads; Ticking) A

**Muscogee Mfg. Co.** (Cotton Ticking) .....A

**Swift Mfg. Co.** (Bedspreads; Ticking) .....A

**GA.—Griffin**  
 Griffin Mfg. Co. (Ticking) AA

**Kincaid Mfg. Co.** (Cotton Ticking) .....AA

**ILL.—Chicago**  
 Burton Co., J., (Mattresses) B

**Chase & Co., L. C.,** (Com.; Blankets) .....AA

**Cold Blast Feather Co. (P. Woll & Sons, Phila. Pa., Props.)** (Mattresses; Pillows) .....AAA

**Columbia Feather Co.** (Feathers; Pillows; Down; Floss; Hair Mattresses) D

**Emmerich & Co., Chas.,** (Feathers; Pillows) ....A

**Empire Mattress Co.** (Mat-

**BEDDING (Con.)**

tresses) .....E  
 Ernst Bros. Co. (Mattresses) D  
 Faulkner, Page & Co. (Com. Blankets) .....AAA  
 Fowler, John P., (Mattresses) .....C  
 Loesser & Co., John, (Mattresses; Pillows) .....H  
 Shultz & Hirsch Co. (Feather Mattresses; Pillows; Down) .....B  
 Washington, Lloyd, (Com.; Blankets) .....AA  
 ILL.—Joliet  
 Wilcox Bros. (Mattresses) B  
 ILL.—Lincoln  
 Fisher & Co., Chas. A., (Cotton; Felt; Mattresses) D  
 ILL.—Peoria  
 Peoria Lounge & Mattress Co. (Mattresses) .....D  
 ILL.—Springfield  
 Springfield Mattress Co. (Mattresses) .....D  
 IND.—Evansville  
 Hasse, Conrad, (Mattresses) D  
 IND.—Indianapolis  
 Clune, M., & Sons (Mattresses; Pillows) .....AA  
 Hirschman, J. C., Co. (Mattresses; Pillows) D  
 IND.—Madison  
 Schofield & Son, Jno., (Blankets) .....C  
 IND.—New Albany  
 New Albany Woolen Mill Co. (Blankets) .....B  
 IND.—Seymour  
 Seymour Woolen Fcty. Co. (Blankets) .....B  
 IND.—South Bend  
 Russell & Ober (Mattresses; Pillows) .....D  
 IOWA—Bonaparte  
 Meek Bros. Co. (Blankets; Wool) .....B  
 IOWA—Davenport  
 Davenport Woolen Mills Co. (Woolen Blankets) ....B  
 IOWA—Des Moines  
 Capital City Woolen Mills (Wool Blankets) .....A  
 Schmidt & Henry Mfg. Co. (Mattresses) .....A  
 IOWA—Dubuque  
 Dubuque Mattress Factory (Mattresses) .....E  
 IOWA—Farmington  
 Stirling Woolen Mills Co. (Wool Blankets) .....C  
 IOWA—Fort Dodge  
 Fort Dodge Mattress Co. (Mattresses; Feather Pillows) .....E  
 IOWA—Mason City  
 Mason City Bedding Co. (Mattresses) .....C  
 IOWA—Sioux City  
 Hopper, Chas. T., (Mattresses) .....C  
 KANS.—Ft. Scott  
 Bearman, J. M., (Mattresses) .....F  
 KANS.—Topeka  
 Schlick, Wm., (Mattresses) C  
 KANS.—Wichita  
 Wetterhold, Geo., (Mattresses) .....E  
 KY.—Louisville  
 Beargrass Woolen Mills (Wool Blankets) .....C  
 Louisville Pillow Co. (Mattresses; Pillows; Comforts) .....C  
 Schupp & Smidt Mfg. Co. (Mattresses; Pillows) D  
 LA.—New Orleans  
 Crescent Mattress Co. (Felt; Moss; Hair; Excelsior Mattresses) .....A  
 Gulf City Spring Bed & Mattress Mfg. Co. (Mattresses) .....A  
 Magee, F. P., (Mattresses) C  
 Nevins, P. J., (Mattresses) C  
 Tebault, W. G., (Mattresses) A  
 LA.—Shreveport  
 Shreveport Mfg. Co. (Ltd.) (Mattresses) .....D

**BEDDING (Con.)**

**MAINE—Lewiston**  
 Avon Mfg. Co. (Quilts) B  
 Bates Mfg. Co. (Quilts) AAAA  
**MAINE—Monmouth**  
 Annabessacook Mills (Wool Blankets) .....A  
**MAINE—Sanford**  
 Emery & Co., S. B., (Mattresses) .....A  
**MAINE—So. Berwick**  
 Newichanick Co. (Wool Blankets) .....A  
**MAINE—Winthrop**  
 Winthrop Mills Co. (Wool Blankets) .....A  
**MD.—Baltimore**  
 Joyce Mfg. Co. (Wire Mattresses) .....D  
 Lears, Clement H., (Mattresses; Pillows) .....D  
 Perfection Mattress Co. (Mattresses) .....C  
 Pollock, Uriah A., (Mattresses) .....B  
 Seldner & Co., Geo. L., (Mattresses) .....C  
 Spindler, Geo., (Couches) D  
 Walpert & Co., F., (Mattresses) .....C  
 South Baltimore Upholstery & Mattress Mfg. Co. (Mattresses; Feather Pillows) C  
**MD.—Gowans town**  
 Everding & Co. (Mattresses) D  
**MD.—Hagerstown**  
 Hagerstown Mattress Co. (Mattresses; Pillows; Bolsters; Cushions) .....C  
 Hagerstown Woven Wire Mattress Co. (Hair; Husk; Cotton; Fibre; Straw; Excelsior; Woven Wire and Spring Mattresses; Pillows; Bolsters) .....D  
**MASS.—Boston**  
 Chase & Co., L. C. (Com. Blankets) .....AA  
 Faulkner, Page & Co. (Com. Blankets) .....AAA  
 Kelly & Co., Thomas (Com. Blankets) .....A  
 Bent, G. W. & Co. (Mattresses) .....B  
 Decatur, A. L., Co. (Mattresses) .....D  
 Holman, John & Co. (Mattresses) .....D  
 Kenny & Co., A. E. (Mattresses; Pillows) .....A  
 Merrimac Mattress Mfg. Co. (Mattresses) .....C  
 Olmstead & Tuttle Co. (Felt Mattresses) .....A  
 Paine Furniture Co. (Mattresses; Pillow-) .....A  
 Sammet, G. W. & Son (Mattresses; Pillows) .....D  
 Standard Wire Mattress Co. (Mattresses; Pillows) .....D  
 Wheeler & Co., A. W. (Mattresses; Pillows) .....C  
 Willcomb, Geo. & Co. (Mattresses; Pillows) .....AA  
**MASS.—Canton**  
 Knitted Mattress Co. (Mattresses) .....C  
**MASS.—Chicopee**  
 Olmstead & Tuttle Co. (Comfortables) .....A  
**MASS.—Fall River**  
 Stevens Mfg. Co. (Marshall & Crochet Quilts) ....AAA  
**MASS.—Great Barrington**  
 Monument Mills (Marshall & Crochet Quilts) ....AAA  
 Riverdale Mills (Marshall & Crochet Quilts) .....C  
**MASS.—Holyoke**  
 Springfield Blanket Co. (Wool Blankets) .....B  
 Wagner Spring Bed Mfg. Co. (Cotton; Felt; Hair) E  
**MASS.—Lawrence**  
 Pemberton Mfg. Co. (Ticks) AA  
**MASS.—Lowell**  
 Tremont & Suffolk Mills (Cotton Blankets) ....AAA  
**MASS.—Palmer**  
 Boston Duck Co. (Cotton

# BEDDING (Con.)

Blankets) .....AA  
**MASS.—Pittsfield**  
 Pontoon Woolen Mfg. Co.  
 (Wool Blankets) .....A  
**MASS.—Southboro**  
 Cordaville Woolen Co. (Wool  
 Blankets) .....O  
**MASS.—Taunton**  
 Pool Mills, Elizabeth (Cot-  
 ton Blankets) .....B  
 Whittenton Mfg. Co. (Cot-  
 ton Blankets) .....AAA  
**MASS.—Worcester**  
 Griffin, John J. (Est. of)  
 (Mattresses; Down,  
 Feather & Floss Pillows) U  
**MICH.—Alpena**  
 Alpena Mattress Works (Ex-  
 celsior, Cotton & Hair  
 Mattresses) .....F  
**MICH.—Detroit**  
 Detroit Mattress & Spring  
 Bed Co. (Mattresses) ..D  
 Jenks & Muir Mfg. Co. (Mat-  
 tresses) .....A  
**MICH.—Grand Rapids**  
 Feather Co., H. B. (Mattres-  
 ses) .....D  
**MICH.—Jackson**  
 Gallup & Lewis (Mattresses)  
 U  
**MINN.—Faribault**  
 Klemer & Sons, C. H. (Wool  
 Blankets) .....C  
**MINN.—Minneapolis**  
 Gangelhoff Bros. (Mat-  
 tresses; Pillows) .....B  
 Minneapolis Bedding Co.  
 (Mattresses) .....B  
 North Star Woolen Mills Co.  
 (Wool Blankets) .....AA  
 Salisbury & Satterlee (Mat-  
 tresses; Pillows) .....A  
**MINN.—Rushford**  
 Webster & Co., Jonathan  
 (Wool Blankets) .....C  
**MINN.—St. Paul**  
 Northwestern Bedding Co.  
 (Mattresses; Pillows) ..O  
 Union Mattress Co. (Mat-  
 tresses; Pillows) .....C  
 United States Bedding Co.  
 (Mattresses; Pillows) ..D  
**MO.—California**  
 California Woolen Mills Co.  
 (Woolen Blankets) ....C  
**MO.—Kansas City**  
 Lloyd, J. H. (Mattresses;  
 Pillows) .....D  
 Sammons, A. H. (Mat-  
 tresses) .....B  
 Sammons, V. K. (Mat-  
 tresses) .....B  
**MO.—St. Joseph**  
 Buell Mfg. Co. (Wool Blan-  
 kets) .....A  
**MO.—St. Louis**  
 American Bed Co. (Felt  
 Mattresses) .....A  
 Brazill, E. (Mattresses) ..D  
 Evans-Smith Bedding & Up-  
 holstery Co. (Mattresses) D  
 Kaiser & Co., Jacob (Mat-  
 tresses) .....B  
 Liflander, M. (Mattresses)  
 D  
 Mellon Mfg. Co., Peter H.  
 (Mattresses) .....B  
 Nichols Folding Felt Mat-  
 tress Co. (Mattresses) D  
 Perfection Mattress Co.  
 (Mattresses) .....C  
 Prufrock, Wm. (Mattresses)  
 A  
 Smith & Davis Mfg. Co.  
 (Mattresses) .....A  
 Stewart Mattress Co. (Mat-  
 tresses) .....C  
**MONT.—Butte**  
 Chapman Mattress Co. (Mat-  
 tresses) .....C  
**NEBR.—Fremont**  
 Parlor Furniture & Mat-  
 tress Co. (Mattresses) ..D  
**NEBR.—Lincoln**  
 Western Mattress Co. (Mat-  
 tresses) .....D  
**NEBR.—Omaha**  
 Doun, L. G. (Mattresses) C  
**N. H.—Claremont**  
 Monodnock Mills (Marseil-  
 les & Satin Quilts) ....A  
**N. H.—Milton**  
 Townsend, Hy. H. (Wool

# BEDDING (Con.)

Blankets) .....A  
**N. H.—Nashua**  
 Nashua Mfg. Co. (Blankets)  
 AAAA  
**N. J.—Jersey City**  
 Runyon, J. D. Mfg. Co.  
 (Mattresses; Pillows) ..D  
**N. J.—Newark**  
 Roeders, August (Feather;  
 Down) .....A  
**N. J.—Rutherford**  
 Blate, Simon (Mattresses) D  
**N. J.—Passaic**  
 Brighton Mills (Crochet;  
 Marseilles Quilts) .....A  
**N. J.—Trenton**  
 Bloom & Godley (Mattres-  
 ses; Bed Springs; Cots;  
 Cushions; Pillows; Quilts)  
 A  
 Trenton Spring Mattress Co.  
 (Mattresses) .....D  
**N. Y.—Albany**  
 Hasselbarth, C. O. (Mat-  
 tresses; Pillows) .....C  
**N. Y.—Auburn**  
 Auburn Blanket Co. (Wool  
 Blankets) .....A  
 Brooks & Sons, Jas. (Wool  
 Blankets) .....D  
**N. Y.—Brooklyn**  
 Farley, Thomas M. (Mat-  
 tresses) .....D  
 Flegenheimer, Marcus (Mat-  
 tresses) .....C  
 Glassgold & Prigohzy (Mat-  
 tresses) .....D  
 Robinson, W. H. (Feathers;  
 Down Pillows; Sterilized  
 Hair Mattresses) .....D  
**N. Y.—Buffalo**  
 Buffalo Mattress Co. (Mat-  
 tresses) .....D  
 Buffalo Lounge Co. (Loun-  
 ges; Couches) .....C  
 Hard, Chas. H. (Woven  
 Wire Mattresses) .....D  
 Hard Mfg. Co. (Mattresses)  
 O  
 McGrath & Bisgood (Mat-  
 tresses) .....D  
**N. Y.—Elmira**  
 Blystone, F. M. (Mattresses;  
 Pillows) .....C  
**N. Y.—Jamestown**  
 Blystone, W. I. (Mattresses;  
 Pillows) .....C  
 Jamestown Lounge Co.  
 Lounges; Couches) ....A  
 Sherman Bros. Co. (Lounges;  
 Couches) .....D  
**New York City**  
 Acme Bedding Co. (Mat-  
 tresses) .....B  
 Amory Browne & Co. (Com.  
 Blankets) .....AAA  
 Bloomfield, Daniel C. (Felt  
 Mattresses; Pillows) ..D  
 Brown Sons & Co. M. (Com.  
 Blankets) .....B  
 Converse, Stanton & Co.  
 (Blankets; Com.) .....AAA  
 Englander, Max (Mattres-  
 ses) .....D  
 Fitch & Co., B. (Mattresses)  
 D  
 Fogg, M. W. (Mattresses) C  
 Golding, J. (Mattresses) D  
 Greer & Hutton (Mfrs. Agts  
 Quilts) .....D  
 Hall, Frank A. (Mattresses)  
 B  
 Hayes & Co., O. H. (Com.  
 Blankets) .....AA  
 Kelly & Co., Thos. (Com.  
 Blankets; Quilts) .....A  
 Lein, Irvine, & Co. (Mat-  
 tresses) .....D  
 Libby & Co., H. J. (Com.  
 Blankets) .....A  
 Marcus & Bro., M. H. (Mat-  
 tresses) .....A  
 New York Couch Bed Co.  
 (Mattresses) .....B  
 Ostermoor & Co. (Felt Mat-  
 tresses) .....B  
 Parker, Wilder & Co. (Com.  
 Blankets; Quilts) .AAAA  
 Pneumatic Mattress & Cush-  
 ion Co. (Mattresses; Pil-  
 lows) .....D  
 Pomroy & Gamble Co. (Mat-  
 tresses; Pillows) .....B  
 Rogers & Co., Chas. P.

**BEDDING (Con.)**

(Quilts) .....A  
 Sperry & Beale (Felt Mat-  
 tresses; Pillows) .....O  
 Weisglass, S. (Felt Mat-  
 tresses; Pillows) .....D  
 Whitehead & Asiel (Pillow  
 Shams) .....D  
 Whiteside, Jos. S. (Com.  
 Cotton & Wool Blankets) B  
 Whitman & Co., Clarence  
 (Com. Quilts) .....AA  
 Wilson & Bradbury (Wool  
 Blankets; Com.) .....AAA  
 Ziegel, Sigmund (Felt Mat-  
 tresses; Pillows) .....D  
 N. Y.—Rochester  
 Wegman, Wm. J. (Mat-  
 tresses; Pillows) .....D  
 N. Y.—Utica  
 Utica Couch & Mattress Co.  
 (Mattresses) .....O  
 N. Y.—Waverly  
 Merriam, Frank W. (Mat-  
 tresses) .....O  
 N. Y.—Westbrookville  
 Ashworth & Sons, J. E.  
 (Wool Blankets) .....D  
 N. C.—Concord  
 Gibson Mfg. Co. (Cotton  
 Blankets) .....A  
 N. C.—Elkin  
 Obatham Mfg. Co. (Wool  
 Blankets) .....B  
 N. C.—Goldsboro  
 Royall & Borden (Mat-  
 tresses) .....D  
 N. C.—Patterson  
 Gwyn-Harper Mfg. Co.  
 (Wool Blankets) .....B  
 N. C.—Spray  
 Leakeville Woolen Mills  
 (Wool Blankets) .....A  
 N. C.—Stovall  
 Stovall Mattress Co. (Felt  
 Mattresses) .....X  
 OHIO—Bellefontaine  
 Bellefontaine Mattress &  
 Upholstering Co. (Mat-  
 tresses) .....D  
 OHIO—Cincinnati  
 Bohnert Co., A. A. (Mat-  
 tresses) .....D  
 Cincinnati Mattress & Spring  
 Co. (Mattresses) .....D  
 Maish & Co., Chas. A. (Cot-  
 ton Comfortables) .....B  
 Stearns & Foster Co. (Cot-  
 ton Felt Mattresses) AAA  
 Wells & Co., Samuel (Feath-  
 ers) .....A  
 Wessel, Herman (Mat-  
 tresses) .....E  
 Wuest, Joseph (Mattresses) B  
 OHIO—Cleveland  
 Beckman Co., The (Blan-  
 kets) .....A  
 Cleveland Mattress Co.  
 (Mattresses; Pillows) ..E  
 Randall Mattress Co. (Mat-  
 tresses; Pillows; Feath-  
 ers) .....C  
 OHIO—Columbus  
 Billow & Lupfer Co. (Mat-  
 tresses; Pillows; Feath-  
 ers) .....D  
 Columbus Woolen Mill Co.  
 (Wool Blankets) .....B  
 OHIO—Dayton  
 Buckeye Bedding Co. (Felt  
 Mattresses) .....E  
 Dayton Felting Co. (Felt  
 Mattresses) .....D  
 OHIO—Delphos  
 Hinde & Dauche Paper Co.  
 (Roller Rolls) .....A  
 OHIO—Hamilton  
 Schantz, Frank (Mattresses;  
 Feather Pillows) .....O  
 Shuler & Benninghofen  
 (Wool Blankets) .....AA  
 OHIO—Lockland  
 Stearns & Foster Co. (Cot-  
 ton Felt Mattresses) AAA  
 OHIO—New Bremen  
 Bakhous & Kneuzel Co.  
 (Wool Blankets) .....B  
 OHIO—St. Mary's  
 St. Mary's Woolen Mfg. Co.  
 (Wool Blankets) .....B  
 OHIO—Toledo  
 Toledo Spring & Mattress  
 Co. (Mattresses) .....E

**BEDDING (Con.)**

**OREGON—Baker**  
 Queen City Furniture Co.  
 (Mattresses; Pillows) ..D  
**OREGON—Eugene**  
 Willamette Valley Woolen  
 Mfg. Co. (Wool Blankets) O  
**OREGON—Oregon City**  
 Oregon City Mfg. Co. (Wool  
 Blankets) .....A  
**OREGON—Portland**  
 Portland Woolen Mills  
 (Wool Blankets) .....B  
 PA.—Allegheny  
 Allegheny Mattress & Spring  
 Bed Co. (Mattresses) ..D  
 PA.—Clifton Heights  
 Kent Mfg. Co., Thos. (Wool  
 Blankets) .....AA  
 PA.—Eden  
 Rumpff's Sons, Fred'k (Mit-  
 chellene & Fancy Colored  
 Quilts) .....B  
 PA.—Everett  
 Mann, L. C. (Mattresses) D  
 PA.—Harrisburg  
 Ball Bros. Mfg. Co. (Mat-  
 tresses) .....A  
 PA.—Honesdale  
 Birdsall Bros. (Wool Blan-  
 kets) .....B  
 PA.—Muncy  
 Muncy Woolen Mills Co.  
 (All Wool White & color-  
 ed Blankets) .....B  
 PA.—New Cumberland  
 Susquehanna Woolen Co.  
 (Wool Blankets) .....B  
 PA.—Philadelphia  
 Blankenburg & Co., R. (Cot-  
 ton, Wool & Down Com-  
 fortables) .....A  
 Bunting, John R. (Mat-  
 tresses) .....B  
 Dobson, Jno. (Wool Blan-  
 kets) .....B  
 Dougherty & Co., H. L.  
 (Mattresses; Pillows) ..O  
 Hale & Kilbourn Mfg. Co.  
 (Mattresses) .....AAAA  
 Hey & Son, Rich. (Woolen  
 Blankets) .....AA  
 Imperial Woolen Co. (Wool  
 Blankets) .....AA  
 Mc Mahen, W. H. (Feather  
 Pillows; Bolsters) .....B  
 Milligan, B. T. (Mattresses) D  
 Schadewald & Sons, Hy.  
 (Marseilles, Crochet, Jac-  
 quard & Mitcheline Quilts) B  
 Smith & Sons Co., Oscar  
 (Felt, Hair, Fibre & Cot-  
 ton Mattresses) .....O  
 Western & Wells Mfg. Co.  
 (Braided Wire Spring Pil-  
 lows) .....B  
 Wilson & Bradbury (Com.  
 Blankets) .....AAA  
 Witty & Co., Cas. H. (Cro-  
 chet Quilts) .....A  
 Woll & Sons Mfg. Co., Peter  
 (Feathers; Down; Pillows) A  
 PA.—Scranton  
 Farr, John R. (Mattresses) B  
 Scranton Bedding Co. (Mat-  
 tresses; Pillows) .....O  
 PA.—Woolrich  
 Rich & Bros., Jno. (Wool  
 Blankets) .....A  
 PA.—Worthington  
 Graff & Co., Peter (Wool  
 Blankets) .....A  
 R. I.—Providence  
 Allendale Co. (Quilts) ...C  
 Brady, James W. (Mat-  
 tresses) .....D  
 Mechanical Rubber Co.  
 (Rubber Mattresses) ..A  
 Sweeny Co., Wm. (Mat-  
 tresses; Pillows) .....D  
 S. C.—Anderson  
 Anderson Mattress & Spring  
 Bed Co. (Mattresses) ..D  
 S. C.—Charleston  
 Charleston Excelsior Mat-  
 tress & Broom Works  
 (Mattresses) .....C  
**TENN.—Chattanooga**  
 Alexander Mfg. Co. (Mat-  
 tresses; Pillows) .....E



**BEDDING (Con.)**

Parkham, J. H. (Mattresses; Pillows) .....E  
**TENN.—Jefferson City**  
 Jefferson City Woolen Mills (Woolen Blankets) ....B  
**TENN.—Memphis**  
 Memphis Mattress Co. (Mattresses) .....F  
 Ross & Co., J. (Mattresses; Pillows) .....B  
**TENN.—Nashville** ..  
 Crutcher Mfg. Co. (Mattresses) .....D  
**TEXAS—Dallas**  
 Olive & Meyers Mfg. Co. (Mattresses) .....B  
**TEXAS—Houston**  
 Davis, H. P. & N. F. (Cotton Felt Mattresses) ...D  
**TEXAS—Waco**  
 Dennis Mfg. Co. (Mattresses; Pillows) .....D  
**UTAH—Manti**  
 Hoggan, James E. (Cotton Spreads) .....C  
**UTAH—Ogden**  
 Ogden Woolen Mills Co. (Woolen Blankets) ...B  
**VA.—Bonsack's**  
 Bonsack Bros. (Woolen Blankets) .....B  
**VA.—Manchester**  
 James River Furniture & Mattress Co. (Straw, Hush, Fibre, Moss, Cotton, Felt & Hair Mattresses) B  
**VA.—Mouth of Wilson**  
 Fields & Hash Mfg. Co. (Woolen Blankets) ....B  
**VA.—Portsmouth**  
 Lindsay, Frank (Mattresses) D  
**VA.—Richmond**  
 James River Furniture & Mattress Co. (Mattresses) B  
**WASH.—Seattle**  
 Carman Mfg. Co. (Mattresses) .....A  
 Seattle Mattress & Upholstery Co. (Mattresses) .D  
 Washington Mattress & Furniture Co. (Mattresses; Pillows) .....D  
**WASH.—Tacoma**  
 Carman Mfg. Co. (Mattresses) .....A  
**W. VA.—Huntington**  
 Ashworth, L. J. (Mattresses; Pillows; Pads) .....D  
**W. VA.—Wheeling**  
 Wheeling Mattress Co. (Mattresses; Feathers; Feather Pillows) .....C  
**WIS.—Cedarburg**  
 Cedarburg Woolen Mills (Woolen Blankets) ....B  
**WIS.—Janesville**  
 Howe Bros. (Mattresses & Pillows) .....B  
 Rock River Cotton Co. (Mattresses; Pillows; Feathers) .....A  
**WIS.—Kenosha**  
 Simmons Mfg. Co. (Woven Wire Mattresses) ...AAA  
**WIS.—Marshfield**  
 Marshfield Bedding Co. (Mattresses) .....D  
**WIS.—Milwaukee**  
 Berger Bedding Co. (Mattresses; Pillows) .....A  
 Milwaukee Bedding Co. (Mattresses; Pillows) ...D  
 Preusse Co. R. J. (Mattresses; Pillows) .....C  
 Standard Bedding Co. (Mattresses; Pillows) .....C  
 Weigell, A. (Feather Pillows) .....A  
**WIS.—Oshkosh**  
 Edwards-Ihrig Co. (Mattresses) .....D  
 Oshkosh Bedding Co. (Mattresses) .....D

**BEDS**

See also Furniture; also Woodwork; Carriage and Wagon.

**ILL.—Chicago**  
 Adams & Westlake Co. (Metal for R. R.) ...AAA

**BEDS (Con.)**

Barbee Wire & Iron Works (Jail) .....B  
**IND.—Indiana**  
 Potts & Co., C. A. (Dumping) .....B  
**IOWA—Marshalltown**  
 Atlas Slate Co. (Slate Billiard Table) .....D  
**MASS.—Andover**  
 Tyler Rubber Co. (Water) AA  
**New York City**  
 Brunswick Balke-Callender Co. (Billiard Table) AAAA  
 Hodgman Rubber Co. (Air Water) .....AAAA  
 Goodyear India Rubber Glove Mfg. Co. (Air; Canoe; Water) .....AAAA  
 Hodgman Rubber Co. (Air Water) .....A  
 Palmer Galvanic Bed. Co. (Galvanic) .....X  
**N. Y.—Oxford**  
 Clark Blue Stone Co., F. G. (Engine) .....A  
**OHIO—Akron**  
 Goodrich Co., B. F. (Air) AAAA  
**OHIO—Dayton**  
 Raymond & Co., Chas. W. (Dumping) .....A  
**OHIO—Westerville**  
 Bennett & Co., H. L. (Dumping) .....F  
**PA.—East Bangor**  
 East Bangor Cons. Slate Co. (Billiard Table) .....AA  
**PA.—Easton**  
 Penna. Structural Slate Co. (Billiard Table) .....F  
**PA.—Erie**  
 Walker Fdry. Co. (Engine; Machine) .....B  
**PA.—Slatington**  
 Slatington Slate Co. (Billiard Table) .....C  
**R. I.—Providence**  
 Davol Rubber Co. (Air; Water) .....AA  
**VT.—Bennington**  
 Scott, Olin (Rubbing) ...A  
**VT.—Fairhaven**  
 Allen's Sons, S. (Slate Billiard Table) .....D  
 Coulman & Westcott (Slate Billiard Table) .....D  
 Eureka Slate Quarry (Billiard Table) .....B  
**VT.—Rutland**  
 Lincoln Works (Rubbing) A  
**WIS.—Racine**  
 Chicago Rubber Clothing Co. (Air) .....A  
 Gold Medal Camp. Furn. Co. (Camp) .....B

**BEADSTEADS**

See Furniture

**BEECH**

See Lumber

**BEEF**

See Meat Packers

**BEER**

**ALA.—Birmingham**  
 Alabama Brewing Co. (Lager) .....B  
**ALA.—Montgomery**  
 Montgomery Brewery (Lager) .....X  
**CAL.—San Francisco**  
 Nat'l Brewing Co. (Lager) AA  
**DEL.—Wilmington**  
 Hartman & Fehrenbach Brewing Co. (Lager; Export) .....AA  
**GA.—Augusta**  
 Portner Brewing Co. (Lager) .....AAA  
**ILL.—Chicago**  
 Cooke Brewing Co. (Lager) AAA  
 Funk, Ernst (Weiss) ...D  
 Schoenhoeft Brewing Co.,

**BEER (Con.)**  
Peter (Lager) .....AAAA  
Wacker & Birk Brewing & Malting Co. (Lager) AAA  
**ILL.—Decatur**  
Decatur Brewing Co. (Lager) .....A  
**IND.—Evansville**  
Cook Brewing Co., F. W. (Lager; Pilsener; Export) AA  
**ILL.—Fort Wayne**  
Berghoff Brewing Co., Herman (Lager) .....AA  
**IND.—Indianapolis**  
Indianapolis Brewing Co. (Lager) .....AA  
**IND.—Madison**  
Madison Brewing Co. (Lager) .....A  
**IND.—New Albany**  
Reising Brewing Co., Paul (Lager) .....B  
**IND.—Terre Haute**  
Terre Haute Brewing Co. (Lager) .....AAA  
**KY.—Louisville**  
Schaefer-Meyer Brewing Co. (Lager) .....AAAA  
Stang, Geo. (Root) .....G  
**LA.—New Orleans**  
New Orleans Brewing Co. (Lager) .....AAA  
**MD.—Baltimore**  
Bauernschmidt Brewing Co. Fred (Lager) .....B  
Weissner & Bros., J. F. (Lager) .....AA  
**MASS.—Boston**  
Burkhardt Brewing Co. (Lager) .....X  
Houghton Co., A. J. (Lager) AAAA  
Jones Brewing Co., Frank (Lager) .....AAAA  
Suffolk Brewing Co. (Lager) A  
**MICH.—Detroit**  
Stroh Brewing Co., B. (Lager) .....AA  
**MICH.—Houghton**  
Haas Brewing Co., A. (Lager) .....A  
**MICH.—Muskegon**  
Muskegon Brewing Co. (Lager) .....AA  
**MINN.—Duluth**  
Fitger & Co., A. (Lager) AA  
**MINN.—Mankato**  
Bierbauer, Wm. (Est. of) (Lager) .....B  
**MINN.—New Ulm**  
Schell, August (Lager) ..A  
**MINN.—St. Paul**  
Hamm Brewing Co. (The) (Lager) .....AAAA  
Yeorg Brewing Co. (Lager) B  
**MO.—Kansas City**  
Heim Brewing Co., Fred. (Lager) .....AAAA  
**MO.—St. Louis**  
Anheuser-Busch Brewing Ass'n (Lager; Export) AAAA  
Lemp Brewig Co., Wm. J. (Lager) .....AAAA  
St. Louis Brewing Ass'n (Lager) .....AAAA  
**MONT.—Butte City**  
Centennial Brewing Co. (Lager) .....A  
**NEBR.—Omaha**  
Metz Bros. Brewing Co. (Lager) .....AA  
**N. J.—Newark**  
Ballantine & Sons, P. (Lager; Export) .....AAAA  
Felzenspan, Christian (Lager) .....AAAA  
Krueger Brewing Co., Gottfried (Lager) .....X  
Lyon & Sons' Brewing Co. (Lager) .....X  
**N. Y.—Albany**  
Weber, A. C. & G. F. (Weiss) .....D  
**N. Y.—Brooklyn**  
Liebmann's Sons Brewing Co., S. (Lager) .....A  
Munch Brewery, Fred (Inc.) (Lager) .....D  
**N. Y. & Brooklyn**  
Brewing Co. (Lager) .....A

**BEER. (Con.)**  
Obermeyer & Liebmann Brew. Co. (Lager) ....A  
**N. Y.—Canandaigua**  
McKechule Brewing Co., J. & A. (Lager) .....B  
**N. Y.—Clifton**  
Bachmann Brewing Co. (Lager) .....A  
**N. Y.—Hudson**  
Evans & Sons, C. H. (Export) .....AA  
**New York City**  
Beadleston & Woerts (Inc.) (Lager; Export) .....A  
Ehret, Geo. (Lager) AAAA  
Everard's Breweries (Inc.), James (Lager) .....A  
Finck & Son, August (Lager) .....A  
Hughes, J. F. (Weiss) ...E  
Koch's Son, A. (Weiss) ...D  
Ringle & Co. (Inc.), Geo. (Lager) .....AAA  
Ruppert, Jacob (Lager; Export) .....AAAA  
Seely's Son, G. B. (Root; Weiss) .....B  
Stevenson Brewing Co., David (Lager) .....B  
**N. Y.—Niagara Falls**  
Niagara Falls Brewing Co. (Lager) .....A  
**N. Y.—Rochester**  
Amer. Brewing Co. (Lager) AA  
Bartholomay Brewing Co. (Lager) .....AAAA  
Genesee Brewing Co. (Lager) .....A  
**N. Y.—Stapleton**  
Bechtel Brewing Co., Geo. (Lager; Export) .....X  
Rubsam & Horrmann Brewing Co. (Lager) .....AA  
**N. Y.—Syracuse**  
Greenway Brewing Co. (Lager) .....B  
**N.Y.—Utica**  
Eagle Brewing Co. (Lager) A  
**OHIO—Cincinnati**  
Foss-Schneider Brewing Co. (Lager) .....X  
Gambrinus Stock Co. (Lager) .....AA  
Gerke Brewing Co. (Lager) AAAA  
Hauck Brewing Co., Jno. (Lager) .....AAAA  
Jung Brewing Co. (Lager). B  
Kauffman Brewing Co., Jno. (Lager) .....X  
Moerlein Brewing Co., C. (Lager) .....AAAA  
Sohn & Co., Wm. S. (Lager) .....AA  
Walker Brewing Co., J. (Lager) .....A  
Windish-Muhlhauser Brew. Co. (Lager) .....AAAA  
**OHIO—Columbus**  
Born & Co., C. (Lager).AA  
Hoster Brewing Co., L. (Lager) .....AA  
**OHIO—Defiance**  
Diehl Brewing Co., Christian (Lager) .....B  
**OHIO—Toledo**  
Grasser & Brand Brewing Co. (Lager) .....AA  
**PA.—Philadelphia**  
Bergner & Engle Brew. Co. (Lager; Export) .....AAAA  
Clements Bottling Co. (Ltd.) Thos. (Weiss) .....X  
Hires, Chas. A. (Root) AA  
Roth & Sons, F. A. (Lager) A  
**TENN.—Memphis**  
Tennessee Brewing Co. (Lager) .....AA  
**TEXAS—Dallas**  
Dallas Brewery (Lager) B  
**TEXAS—Houston**  
Houston Ice & Brewing Co. (Lager) .....AA  
**TEXAS—San Antonio**  
J. de Star Brewing Co. (Lager) .....AA  
**UTAH—Salt Lake City**  
Salt Lake City Brewing Co. (Lager) .....AA  
**W. VA.—Wheeling**

**BEER (Con.)**  
 Reymann Brewing Co.  
 (Lager) .....AAA  
 Schmulbach Brewing Co.  
 (Lager) .....AAA  
**WIS.—La Crosse**  
 Gund Brewing Co., Jno.  
 (Lager; Export) .....AAAA  
 Michel Brewing Co., O & J.  
 (Lager) .....AA  
**WIS.—Milwaukee**  
 Blatz Brewing Co., Valen-  
 tine (Lager) .....AAAA  
 Cream City Brewing Co.  
 (Lager) .....AA  
 Jung Brewing Co. (Pilsener)  
 .....AA  
 Pabst Brewing Co. (Lager;  
 Export) .....AAAA  
 Schlitz Brewing Co., Joseph  
 (Lager; Export) .....AAAA  
**WIS.—Racine**  
 Weber Bros. (Weiss) ....F

## BELLADONA

New York City  
 Hopkins & Co., J. L., 100  
 William .....A

## BELLOWS

**CAL.—San Francisco**  
 California Bellows Mfg. Co.,  
 79 Federal (Blacksmiths';  
 Molders', &c.) .....E  
**ILL.—Chicago**  
 Brand & Co., S. H., 99 W.  
 Monroe (Blacksmiths';  
 Molders', &c.) .....E  
 Scott, Geo. M., 436 John-  
 son (Blacksmiths'; Mold-  
 ers', &c.) .....A  
 White Mfg. Co. (Foot  
 Powder) .....E  
**ILL.—Paxton**  
 Paxton Hdw. Mfg. Co. (In-  
 sect Powder) .....X  
**MASS.—Athol**  
 Athol Machine Co. (Square)  
 .....B

**MICH.—Grand Rapids**  
 Grand Rapids Veneer Wks.  
 (Organ) .....AA  
**MO.—St. Louis**  
 Christen & Sons, F., Dock &  
 Main (Blacksmiths'; Mold-  
 ers', &c.) .....C  
**N. J.—Harrison**  
 Hahn & Stumpf (Leather)  
 .....AA

**N. J.—Newark**  
 Smith, C. L. & R. E.  
 (Leather) .....A  
**N. Y.—Buffalo**  
 Buffalo Dental Mfg. Co.  
 (Foot) .....C  
 Churchyard, Joseph J.  
 (Blacksmiths'; Insect  
 Powder; Molders) .....X  
**N. Y.—Canastota**  
 Dobson, Wm. (Blacksmiths';  
 Molders'; Foundry)....F  
 New York City  
 Goodyear Rubber Co. (Air)  
 .....AAAA

Houchin Co., Thos. W. (In-  
 sect Powders) .....D  
 Jackson Co., Wm. H., 29 E.  
 17th (Union Sq.) (Brass  
 & Wood) .....A  
 Keese, Chas. H., 4 Gold  
 (Blacksmiths'; Molders'.  
 &c.) .....H  
 Neumann & Co., R.  
 (Leather) .....A  
 Reichhelm & Co., E. P.  
 (Foot) .....A  
 United States Leather Co.  
 (Leather) .....AAAA  
 Vought & Williams, 365  
 Greenwich (Blacksmiths';  
 Molders' &c.) .....B  
**N. Y.—Peekskill**  
 MacKellars' Sons Co., R.  
 (Molders) .....D  
**N. Y.—Troy**  
 Parks & Parks (Insect Pow-  
 der) .....D

**OHIO—Cincinnati**  
 Cincinnati Plow & Bellows  
 Wks., 2025 Reading Rd.  
 (Blacksmiths'; Molders'.  
 &c.) .....F

**BELLOWS (Con.)**  
 Obermayer Co., S., 647  
 Evans (Blacksmiths';  
 Molders'; Hand) .....E  
**OHIO—Cleveland**  
 Bullock Bellows Co., T. H.  
 (Blacksmith; Miners';  
 Molders'; Hand) .....E  
 Osborn Mfg. Co., 16 S.  
 Water (Blacksmiths';  
 Molders) .....D  
 Smith Fdy. Supply Co., J.  
 D. (Blacksmiths'; Mold-  
 ers', &c.) .....D  
**PA.—Corry**  
 Howard & Co., J. W. & A.  
 P. (Leather) .....AA  
**PA.—Philadelphia**  
 Bickerton, T. B. (Black-  
 smiths') .....X  
 Paxton Co., J. W., 1021 N.  
 Del. Av. (Blacksmiths';  
 Molders'; Foundry) ...AA  
 Woodason, Thos., 2900 D  
 (Blacksmiths'; Molders';  
 Insect Powder; Portable  
 Force; Painters'; Spray-  
 ing; Casing; Fire; Fog  
 Horn) .....F  
**R. I.—Pawtucket**  
 Bliss Mfg. Co., R. (Piano)  
 .....AAAA  
**WIS.—Two Rivers**  
 Hamilton Mfg. Co. (Hand;  
 Printers') .....AA

## BELLS

**CAL.—San Francisco**  
 Garratt & Co., W. T., 142  
 Fremont (Church; Fire  
 Alarm) .....AA  
 Globe Brass & Bell Fdy., 128  
 Main (Foundry) .....E  
 Kingwell, Vincent, 228 Fre-  
 mont (Foundry) .....C  
**CONN.—Ansonia**  
 Ansonia Electrical Co.  
 (Electric) .....B  
**CONN.—Bridgeport**  
 American Tube & Stamping  
 Co. (Car; Gong) .....AAA  
 Bridgeport Brass Co. (Un-  
 mounted; Telephone;  
 Gongs; Bicycle; Electric;  
 Clock) .....AA  
 Ives & Williams Co. (Dumb)  
 .....O  
**CONN.—Bristol**  
 Ladd, W. C. (Telephone)..F  
 Liberty Bell Co. (Autom-  
 obile; Bicycle) .....B  
 New Departure Bell Co.  
 (Unmounted; Foundry;  
 Gong; Bicycle; Call; Car;  
 Chime; Door; Alarm; Fire  
 Alarm; House; Peal; Tea)  
 .....A

**CONN.—East Hampton**  
 Bevin Bros. Mfg. Co.  
 (Church; Cow; Door; En-  
 gine; Sleigh; Car; Tele-  
 phone; Unmounted; Altar;  
 Bicycle; Call; Alarm;  
 Farm; Fire Alarm; Gong;  
 Hand; House; Jingle;  
 Lodge; School; Sheep;  
 Ship; Signal; Tea; Team;  
 Sleigh Chimes; Saddle  
 Chimes; Electric) .....B  
 East Hampton Bell Co. (Un-  
 mounted; Cow; Gong) ...B  
 Forbes, Jas. A. (Unmounted;  
 Gong) .....F  
 Gong Bell Mfg. Co. (Auto-  
 mobile; Bicycle; Electric;  
 Engine; Unmounted;  
 Gong; Call; Door; Alarm;  
 Lever; Hand; Signal;  
 Steamboat; Tea) .....O  
 Hill Brass Co., N. N. (Car;  
 Unmounted; Telephone;  
 Gong; Alarm; Altar; Bi-  
 cycle; Call; Cat; Church;  
 Door; Electrical; Fog;  
 Sheep; School; Team;  
 Toy) .....A  
 Starr Bros. Bell Co. (Elec-  
 tric; Sleigh; Car; Gong;  
 Alarm; Altar; Autom-  
 obile; Call; Church; Door;  
 Engine; Fog; Locomotive;  
 Sheep) .....B

**BELLS (Con.)****CONN.—Meriden**

Bradley & Hubbard Mfg.  
Co. (Foundry; Call; Hotel;  
Brass Smoke) .....AAAA  
Connecticut Telephone &  
Electric Co. (Telephone) C  
Meriden Britannia Co. (Call)  
AAAA

**CONN.—Middletown**

Chapman & Co., W. H.  
(Sheep; Body; Strap;  
Shaft; Saddle Chimes;  
Staff) .....B

**CONN.—New Britain**

Landers, Frary & Clark  
(Call; Hand) .....AAA  
Russell & Erwin Mfg. Co.  
(Car; Gong; Door).....AAAA

**CONN.—New Haven**

Hehn & Co., A. S. (Tea)...F  
New Haven Clock Co. (Elec-  
tric) .....AAA  
Sargent & Co. (Alarm;  
Lever; House; Cow)AAAA

**CONN.—Southington**

Peck, Stow & Wilcox Co.  
(Car; Gong; Call; Door;  
Alarm; Bicycle) ..AAAA

**CONN.—Wallingford**

Wallace Sons' Mfg. Co., R.  
(Tea) .....AAAA

**CONN.—Waterbury**

American Ring Co. (Sheen;  
Sleigh; Body; Strap;  
Shaft; Sleigh; Chime)...A  
Scovill Mfg. Co. (Bicycle)  
AAAA

Plume & Atwood Mfg. Co.  
(Telephone; Unmounted;  
Gong; Sleigh; Clock).AAA  
Waterbury Mfg. Co. (Un-  
mounted; Gong) ....AAA

**GA.—Atlanta**

Wotton Elec. & Mfg. Co.,  
52 Greenwood Av. (Ex-  
tension Ringing) .....D

**GA.—Augusta**

Lombard Iron Wks. & Sup-  
ply Co. (Dumb) .....A

**ILL.—Chicago**

Acme Electric Co., 231 S.  
Canal (Telephone) .....D  
Adams & Westlake Co., On-  
tario (Car; Gong).....AAAA  
American Elec. Telephone  
Co., 36 W. Jackson Boul.  
(T e l e p h o n e; Magneto  
Call) .....AAAA  
Farr Telephone & Construc-  
tion Supply Co., 118 W.  
Chicago Boul. (Telephone)  
D

Internatl. Telephone Mfg.  
Co., Harrison & Clinton  
(Telephone) .....D

Spies & Co., 87 W. Van  
Buren (The Burglar Proof  
Electric) .....E

Western Electric Co., 259 S.  
Clinton (Electric; Mag-  
net; Call) .....AAAA

Western Telephone Construc-  
tion Co., Fisher Bldg.  
(Telephone) .....B

**ILL.—Freeport**

Arcade Mfg. Co. (Door)...A

**IND.—Elkhart**

Chicago Telephone Supply  
Co. (Telephone) .....D

**IND.—Hartford City**

Sneath Glass Co. (Glass  
Smoke) .....B

**IND.—Indianapolis**

Over. Ewald (Farm) .....C  
Wilson Mfg. Co., O. B.  
Barth Av. & Sanders  
(Foundry) .....C

**IOWA.—Burlington**

Swedish Sleigh Bell Mfg.  
Co. (Sleigh) .....D

**IOWA.—Keokuk**

Garton-Daniels Co. (Exten-  
sion Ringing) .....D

**MD.—Baltimore**

McShane Mfg. Co., Henry,  
441 North (Chime; Fire;  
Church) .....A  
Regester & Sons, J. (En-  
gine) .....A  
Vladuct Mfg. Co., 10 S.  
Howard (Telephone; Fire

**BELLS (Con.)**

Alarm; Electric; Magneto  
Call) .....B

**MASS.—Attleboro**

Mossberg Co., Frank (Car-  
riage; Automobile; Bi-  
cycle) .....B

**MASS.—Boston**

Bay State Brass Foundry  
(Foundry) .....D

Boston Electric Co., 29 Har-  
rison Av. (Electric) ...B

Edson Mfg. Co., 255 Atlan-  
tic Av. (Ship) .....B

Electric Gas Lighting Co.  
(Electric) .....A

**MASS.—Brookline**  
Holtzer-Cabot Electric Co.  
(Electric & Telephone).A

**MASS.—Chelsea**

Low Tile Co. (Call) ....F

**MASS.—Springfield**  
Springfield Foundry Co.  
(Dumb) .....A

**MASS.—Worcester**  
Wheeler Fdy. Co. (Engine;  
Dumb) .....D

**MICH.—Menominee**  
Menominee Electric Mfg. Co.  
(Telephone) .....C

**MICH.—Northville**  
American Bell & Fdy. Co.  
(Church) .....A

**MICH.—Three Rivers**  
Three Rivers Railway Sup-  
ply Co. (Highway Cross-  
ing) .....B

**MO.—St. Louis**

Pleuger & Henger Mfg. Co.,  
11th & Herbert (Car; Un-  
mounted; Gong) .....A

Stuckstede Bell Fdy. Co.,  
Henry, 1312 2d (Church) C  
Western Electric Supply Co.  
(Car) .....X

**NEBR.—Beatrice**  
Beatrice Mfg. Co. (Door).D

**N. H.—Manchester**  
Cambell, Jno. (Dumb)...H

**N. J.—Jersey City**  
Williams & Son, E. A. (En-  
gine; Car; Gong; Amal-  
gam; Factory; Farm;  
Ferry; Fire Alarm; Fog;  
Hand; Peal; Prison;  
School; Ship) .....AAA

**N. J.—Newark**  
Hardware Specialty Co.  
(Door) .....D

Sommer's Sons, Jno. (Dumb)  
A

**N. Y.—Buffalo**  
Proctor-Raymond Mfg. Co.,  
442 Niagara (Electric).D

Wilhelm Telephone Mfg.  
Co., 41 N Division (Tele-  
phone) .....B

**New York City**  
Ashcroft Mfg. Co. (Gong).A

Bunnell & Co., J. H., 20  
Park Pl. (Electric; Mag-  
neto Call) .....A

Cory & Son, Charles, 279 Di-  
vision (Electric; Engine)  
E

Edwards & Co., 407 E. 144th  
(Automobile; Bicycle;  
Electric; Car; Buzzers).C

Gould-Mersereau Co. (Brass  
Smoke) .....B

Graham & Co., J. H., 113  
Chambers (Bicycle; Car;  
Fire) .....AA

Judd & Co., H. L. (Brass  
Smoke) .....AA

Kell & Son, Francis, 667 E.  
163d (Electric) .....A

Manhattan Brass Co. (Brass  
Smoke) .....A

Manhattan Electric Supply  
Co., 32 Cortlandt (Elec-  
tric; Telephone) .....A

Meneely Bell Co., 177 B'way  
(Chime; Church; Factory;  
Farm; Ferry) .....B

Ostrander & Co., W. R., 22  
Dey (Electric; Mechan-  
ical; Lever; Pneumatic  
Call) .....B

Pearce, Fredk., 18 Rose  
(Electric) .....B

Stanley & Patterson, 93 Lib-  
erty (Faraday Iron Box

**BELLS (Con.)**

Electric) .....A  
 United States Fdy. Co.  
 (Dumb) .....F  
**N. Y.—Rochester**  
 Bradley & Co., E. C. (Elec-  
 tric; Magneto Call).....M  
 Clark Novelty Co. (Bicycle)  
 D

**N. Y.—Seneca Falls**  
 Goulds Mfg. Co. (Factory;  
 School) .....AAA  
 Rumsey & Co., Ltd. (En-  
 gine; Church; Factory;  
 Farm; Fire Alarm)....AA

**N. Y.—Troy**  
 Bernard Co., E. G. (Elec-  
 tric) .....D

**N. Y.—Utica**  
 Utica Fire Alarm Telegraph  
 Co. (Telephone; Fire  
 Alarm) .....C

**N. Y.—Watervliet**  
 Meneely & Co. (Chime;  
 Church; Factory) .....A

**OHIO—Cincinnati**  
 Blymyer Iron Works Co.  
 (Church; Factory; Fire  
 Alarm; School) .....D

Buckeye Bell Fdy. Co., 428  
 E. 2d (Chime; Church;  
 Engine) .....C

Cincinnati Bell Fdy. Co.  
 (Church; Car; Fire Alarm;  
 Organ; School; Steam-  
 boat) .....D

Knecht Co., Victor (Dumb)  
 B

Tatum & Co., Saml. C.  
 (Dumb) .....B

Vanduzen Co., E. W. (Car;  
 Gong; Chime; Church;  
 Engine; Alarm; Fire  
 Alarm; Mule; School;  
 Ship; Steamboat; Tower  
 Clock) .....C

**OHIO—Cleveland**  
 North Electric Co., 157 St.  
 Clair (Telephone) ....B

Williams Electric Co., 78  
 Seneca (Electric; Tele-  
 phone; Electric Exchange;  
 Extension Electric; Mul-  
 tiple Toll Line; Magneto  
 Call) .....B

Williams - Abbott Electric  
 Co., 12 Columbus (Tele-  
 phone; Magneto) .....B

**OHIO—Dayton**  
 Dayton Mfg. Co. (Car;  
 Gong) .....A

**OHIO—Fremont**  
 Lehr Agricul. Co. (Farm;  
 School) .....B

**OHIO—Hillaboro**  
 Bell & Co., C. S. (Church;  
 Farm; Hand; School)....A

**OHIO—Mansfield**  
 Ohio Brass Co. (Car; Gong)  
 B

**OHIO—Piqua**  
 Piqua Handle & Mfg. Co.  
 (Dumb) .....A

**OHIO—Springfield**  
 Downey & Co., Wm. C.  
 (Farm) .....C

**PA.—Allegheny**  
 Wall Mfg. Supply Co., P.  
 (Car; Gong) .....G

**PA.—Atglen**  
 Chalfant Mfg. Co. (Dumb)  
 X

**PA.—Cheswick**  
 Cheswick Mfg. Co. (Car;  
 Gong) .....D

**PA.—Philadelphia**  
 Brill Co., J. G., 62d &  
 Woodland Av. (Car; Gong)  
 AAA

Gill & Co. (Glass Smoke).A  
 Gillinder & Sons (Glass  
 Smoke) .....A

Mayer & Englund, 1024 Fil-  
 bert (Car; Gong) .....A

Mousley, Chas., 7241 How-  
 ard (Foundry) .....D

Novelty Electric Co. (Elec-  
 tric) .....C

Partrick Carter & Wilkins,  
 1231 Callowhill (Electric;  
 Telephone) .....B

Phosphor Bronze Smeltin-

**BELLS (Con.)**

Co., Ltd. (Car) .....A  
 U. S. Metallic Packing Co.  
 B

**PA.—Pittsburg**  
 Chaplin Fulton Mfg. Co.  
 (Church) .....B

**PA.—Reading**  
 Penn Hdw. Co. (Door)...AA  
 Reading Hdw. Co. (Electric  
 Ring; Rotary & House;  
 Alarm) .....AAAA

**PA.—Tatamy**  
 Messinger Mfg. Co. (Farm)  
 B

**PA.—Wrightsville**  
 Wrightsville Hardware Co.  
 (Dumb) .....B

**R. I.—Central Falls**  
 Mossberg Wrench Co. (Au-  
 tomobile; Bicycle) ....C

**R. I.—Providence**  
 Durfee & Co., Walter H.,  
 151 Pond (Tubular  
 Chime) .....D

Fuller Iron Works, 40 Tock-  
 wolton (Church) .....A

Rhode Island Telephone &  
 Elec. Co. (Telephone)...F

**S. C.—Sumpter**  
 Sumpter Telephone Mfg. Co.  
 (Telephone) .....B

Telephone Co. (Telephone)  
 E

**TENN.—Chattanooga**  
 Ross-Meehan Foundry Co.  
 (Chime & Church; Un-  
 mounted; Gong) .....A

**TENN.—South Pittsburg**  
 Blacklock Foundry (Dumb)  
 C

**WIS.—Milwaukee**  
 Campbell, Gardiner Co., 238  
 Oregon (Chime; Church)  
 D

Meinecke & Sons, A.  
 (Dumb) .....AA

Northwestern Telephone &  
 Electric Co., 77 Wiscon-  
 sin (Telephone) .....H

**BELTING**

See also Rubber Goods

**CAL.—San Francisco**  
 Boston Woven Hose & Rub-  
 ber Co., 14 Fremont (Cot-  
 ton Stitched) .....AAA

Bowers Rubber Co., 42 Sac-  
 ramento (Rubber) .....C

California Belting Co., 523  
 Mission (Leather) .....D

Cook Belting Co., 124 Fre-  
 mont (Leather) .....B

Degen Belting Co., 107 Mis-  
 sion .....C

Gutta Percha & Rubber Mfg.  
 Co., 32 Fremont (Concen-  
 trator) .....AAAA

Neville & Co., 530 Davis  
 (Cotton) .....A

Revere Rubber Co., 527  
 Market (Oak Leather;  
 Rubber) .....AAAA

**CONN.—Bridgeport**  
 Palmer & Co., N. (Charter  
 Oak; Short Lap Leather)  
 D

**CONN.—Hartford**  
 Hartford Rubber Works  
 (Rubber) .....A

Jewell Belting Co., 15  
 Trumbull (Leather &  
 Round or Twist)....AAA

**CONN.—Middleton**  
 Russell Mfg. Co. (Solid Cot-  
 ton) .....AAA

**CONN.—New Haven**  
 Coe & Brown, 204 George  
 (Leather) .....B

**CONN.—Norwich**  
 Norwich Belt Mfg. Co.  
 (Leather) .....AAAA

Ulmer Leather Co.  
 (Leather) .....A

**CONN.—Tolland**  
 Sumner Belting Co., Wm.  
 (Patent Cotton; Leather;  
 Watch Twist; Angular or  
 V.; Round Solid; Plain  
 Cotton; Round Twist; Con-

**BELTING (Con.)**

veyor) .....E  
**DEL.—Wilmington**  
 McComb. Thomas, 9 S. Broad .....E  
 Rhoads & Sons, J. E., 3d & Orange (Leather; Oak; Round) .....B  
 Standard Tool & Machine Co., 114 Orange (Chain or Link) .....F  
**GA.—Atlanta**  
 Cotton States Belting & Supply Co., 9 S. Broad (Leather) .....B  
 Southern Belting Co., 40 S. Forsyth (Leather) .....C  
**GA.—La Grange**  
 Unity Cotton Mills (Cotton) .....AA  
**ILL.—Chicago**  
 Allen Mfg. Co., W. D., 151 Lake (Leather; Rubber. &c.) .....B  
 Borden & Selleck Co., 48 Lake (Chain or Link) ...B  
 Boston Woven Hose & Rubber Co., 185 Lake (Cotton Stitched) .....AAA  
 Carpenter & Co., Geo. B., 202 S. Water .....AAA  
 Chicago Belting Co., 67 S. Canal (Leather) .....B  
 Chicago Rawhide Mfg. Co., 75 E. Ohio (Rawhide) ...A  
 Chicago Rubber & Belting Co., 312 Dearborn (Rubber) .....E  
 Ewart Mfg. Co., Monadnock Bldg. (Chain & Link) ...A  
 Holsting & Conveying Machinery Co., 44 Elizabeth (Chain & Link) .....H  
 Link Belt Machinery Co., 39th & Stewart Av. (Chain or Link; Detachable Link) .....A  
 Lyon & Son, Samuel, 8 S. Canal (Oak Tanned) ...C  
 Munson Belting Co., Chas., 38 S. Canal (Leather; Oak; Round) .....A  
 Rosendale-Reddaway Belting & Hose Co., 16 N. Canal (Stitched Cotton; Camels' Hair Brand & Thresher) .....B  
 Skillin-Richards Mfg. Co., 241 S. Jefferson (Detachable Link) .....C  
 Thomas Belting Co., 46 S. Clinton (Leather) .....D  
 Webster Mfg. Co., 1075 W. 15th (Chain or Link) ...AA  
 Weller Mfg. Co., 118 E. North Av. (Chain or Link) .....C  
 Whitman & Barnes Mfg. Co., 66 Canal (Broncho Hontas Rubber; Chain or Link; Cotton Stitched; Detachable Link) .....AAAA  
**ILL.—Franklin Park**  
 Forster, Waterbury & Co. (Detachable Link) .....B  
**ILL.—Peoria**  
 Herschel Mfg. Co., R. (Chain or Link) .....A  
**IND.—Columbus**  
 Mooney & Sons, W. W. (Leather) .....AA  
**IND.—Evansville**  
 Evansville Leather Belting Co. (Leather) .....C  
**IND.—Indianapolis**  
 Diamond Chain & Mfg. Co. (Diamond Chain) .....A  
 Hide Leather & Belting Co., 227 S. Meridian (Leather) A  
 Indianapolis Belting & Supply Co., Stevenson Bldg. ...C  
**IND.—Mishawaka**  
 Dodge Mfg. Co. (Chain or Link) .....AAA  
**KY.—Louisville**  
 Conrad Tanning Co. (Leather) .....AA  
**LA.—New Orleans**  
 Rice & Co., Louis P., 516 Common .....B  
 Whitney & Sloo Co., 108 N. Peters (Leather) ....B

**BELTING (Con.)**

**MD.—Baltimore**  
 Baltimore Belting Co., 6 E. Lombard (Leather) .....D  
 Baltimore Rubber Co., 41 S. Liberty (Rubber) .....C  
 Carey Machy. & Supply Co., 26 Light .....A  
 Chesapeake Belting Co., 823 McKim (Cotton Stitched & Stitched Canvas) .....C  
 Gandy Belting Co. (Cotton Stitched & Sewed Cotton Duck) .....C  
 Whitehurst Belting Co. (Cotton Duck Sewed & Thresher & Cotton Stitched) ...C  
**MASS.—Boston**  
 Barnes, H. K., 104 Franklin (Leather) .....C  
 Bay State Belting Co. (Leather; Oak Leather) A  
 Boston Belting Co., 256 Devonshire (Rubber; Stitched; Gutta Balata Forsyth Patent; Conveyor; Elevator; Endless; Red Frictioned & Polishing; Round; Emory) .....AAAA  
 Boston Woven Hose & Rubber Co. (Cotton; Rubber) .....AAAA  
 Carton Belting Co., 52 Everett Alls. (Canvas & Cotton Stitched) .....C  
 Choate & Brown, 134 Congress (Leather) .....E  
 Globe Leather Belting Co., 132 Pearl (Leather) ....D  
 Ireson, C. L., 148 High (Leather) .....O  
 Sewing Machine Supply Co. (Round) .....B  
 Stevens Co., E. E., 134 Congress (Leather) .....C  
 Union Belt Co., 139 Congress (Oak Tanned) .....C  
**MASS.—Cambridge**  
 Boston Woven Hose & Rubber Co. (Agricultural; Canvas; Rubber) .....AAAA  
 Sawyer Belting Co. (Canvas; Cotton Stitched) .....C  
**MASS.—Chicopee**  
 Ames Sword Co. (Canvas & Duck) .....B  
**MASS.—Clinton**  
 Clinton Wire Cloth Co. (Conveyor; Wire) .....AAA  
**MASS.—Fall River**  
 Union Belt Co. (Leather) ...B  
**MASS.—Holyoke**  
 Holyoke Belting Co. (Oak Leather) .....C  
**MASS.—Lowell**  
 Gates & Sons, Josiah (Leather) .....X  
 Whiting, Henry F. (Leather) .....D  
**MASS.—Salem**  
 Kelton-Bruce Mfg. Co. (Indian Tan & Raw Hide) C  
**MASS.—South Attleboro**  
 Coune & Co., Wm. (Raw Hide) .....X  
**MASS.—South Fitchburg**  
 Fitchburg Duck Mills (Duck) .....AA  
**MASS.—Worcester**  
 Graton & Knight Mfg. Co. (Ash Tanned Leather; Waterproof) .....AAAA  
 Hudson Belting Co., 3 Eaton Pl. (Leather) .....B  
 Warren Co., J. F. & W. H., 44 Vine (Oak Tanned) ...C  
**MICH.—Detroit**  
 Buhl Malleable Co. (Chain or Link) .....A  
 Detroit Oak Belting Co., 262 Wight (Oak Tanned; Short Lap) .....B  
 Wing & Co., J. T., 19 Woodward Av. (Leather) ...D  
**MICH.—Grand Rapids**  
 Rainville Co., F. R. (Leather) .....B  
 Studley & Barclay (Oak Tanned; Short Lap) ....C  
**MICH.—Niles**  
 Natl. Rawhide & Belting Co. (Rawhide) .....E  
**MICH.—Port Huron**  
 Port Huron Engine &

**BELTING (Con.)**

Thresher Co. (Chain or Link) .....AAAA  
**MINN.—Minneapolis**  
 Nott Co., W. S., 200 S. 1st Av. (Oak Tanned Leather) .....A  
 Plant Rubber Co., 322 1st Av. (Leather, &c.) .....C  
 Sikes Co., S. R., 915 Washn. (Leather) .....B  
**MO.—St. Louis**  
 Byrnes Belting & Hose Co., Jas. W., 310 Washn. Av. ....A  
 Hartmann Hide & Leather Co., E., 1905 Shenandoah Av. (Leather) .....A  
 Leschen & Sons Rope Co., A., 920 N St. (Rope) .....AAA  
 Missouri Belting Co., 120 S. Coml. (Rawhide & Oak Tanned) .....A  
 Shultz Belting Co., 402 Barton (Rawhide & Woven Leather Link) .....AAA  
 Spring Belting Co., 715 N. Second (Leather) .....E  
**N. H.—Concord**  
 Page Belting Co. (Flat; V. Round; Braided; Folded; Solid Link) .....AA  
**N. H.—Dover**  
 Williams & Sons, J. B. (Leather) .....AAA  
**N. H.—Manchester**  
 Hobbs, Alfred (Short Lap Oak Tanned) .....D  
**N. J.—Bloomfield**  
 Comb Rubber & Belting Co., (Rubber) .....A  
**N. J.—High Bridge**  
 Taylor Iron & Steel Co. (Chain or Link) .....AAAA  
**N. J.—Jersey City**  
 Eureka Fire Hose Co. (Cotton) .....AA  
**N. J. Car Spring & Rubber Co.** (Quilt Stitched; Cotton Stitched; Rubber) .AA  
 Rubber Celluloid & Harness Trimming Co. (Cotton Stitched) .....A  
 Voorhees Rubber Mfg. Co., 18 Bostwick (Nubian Rubber) .....B  
**N. J.—Newark**  
 Rosendale-Reddaway Belting & Hose Co. (Camel's Hair; Cotton) .....A  
**N. J. Paterson**  
 Van Houten & Co., C. C. D  
 Van Riper Mfg. Co. (Leather) .....B  
**N. J.—Trenton**  
 Consolidated Rubber Co. (Rubber) .....C  
 Crescent Belting & Packing Co. (Rubber) .....C  
 Empire Rubber Mfg. Co. (Rubber; Stitched; Cotton; Duck) .....A  
 Hamilton Rubber Mfg. Co. (Rubber) .....B  
 Home Rubber Co. (Rubber) .....C  
 Mercer Rubber Co. (Rubber) .....AA  
 Trenton Rubber Mfg. Co. (Rubber & Cotton Stitched) .....C  
 United Rubber Co. (Rubber) .....AAA  
 United & Globe Rubber Mfg. Co. (Rubber) .....A  
 Whitehead Bros. Rubber Co. (Rubber) .....A  
**N. Y.—Albany**  
 Albany Belting & Supply Co., 372 Bway., (Leather) .....D  
**N. Y.—Brooklyn**  
 Brooklyn Leather Belting Co., 42 S. 6th .....C  
**N. Y.—Buffalo**  
 Bickford & Francis Belting Co., 55 Exchange (Leather) .....B  
 Buffalo Belting Works, 122 Washington (Leather) .A  
 Buffalo Weaving Co., 234 Chandler (Cotton) .....A  
 Mey Chain Belting Engin-

**BELTING (Con.)**

earing Wks., 14 Perry (Chain or Link) .....F  
 Peerless Belting Co., 59 Terrace .....D  
**N. Y.—Lockport**  
 Empire Mfg. Co. (Solid Cotton; Waterproof) ....A  
 New York City  
 Ballard Rubber Co., Stephen 90 W. Bway. (Rubber) .C  
 Brand, Randolph, 38 Cortlandt (Round) .....E  
 Diamond Rubber Co., 15 Warren (Rubber) ....AA  
 Eureka Fire Hose Co., 13 Barclay (Eureka Cotton) .....AA  
 Fairbanks Co., 416 Broome (All Kinds) .....AAAA  
 Fay Belting Co., 3 Jacob (Indian Tanned Leather) .....E  
 Ladew, F. R., 91 Liberty ("Hoyt" Oak Tanned) .AA  
 Goodyear Rubber Co., 787 Bway. (Rubber) .AAAA  
 Goodyear's India Rubber Glove Mfg. Co., 503 Bway. (Rubber) .....AAAA  
 Gutta Percha & Rubber Mfg. Co., 35 Warren (Rubber) .....AAAA  
 Imperial Rubber Co., 132 Liberty .....C  
 Manhattan Rubber Mfg. Co., 18 Vesey (Rubber) .AA  
 Marine Mfg. & Supply Co., 157 South .....C  
 Mechanical Rubber Co., 22 Murray (Rubber) .AAAA  
 Mineralized Rubber Co. (Rubber) .....A  
 National Leather Belting Co., 7 Ferry (Leather) .D  
 New York Belting & Packing Co., 25 Park Pl. (Rubber) .....D  
 New York Leather Belting Co., 8 Ferry (Oak Tanned; Round or Twist; Rawhide Centre) .....A  
 New York Rubber Co., 84 Reade .....AAA  
 Penna. Rubber Co., 1665 B'way (Rubber) .....A  
 Rahmann & Co., Geo., 6 Ferry (Leather; Angular) .....D  
 Rees Sons, Hans, 17 Ferry (Leather) .....AA  
 Robins Conveying Belt Co., 17 Park Row (Rubber) .A  
 Schieren & Co., Chas. A., 47 Ferry (Oak Tanned Leather & Perforated) .....AAAA  
 Southwick Co., Geo. W., 149 Centre (Reinforced Double) .....D  
 Stine & Co., J. R. (Leather; Oak Leather; Round) .A  
 United States Leather Co., 28 Ferry (Leather) .AAAA  
 Waterbury Rubber Mfg. Co., 49 Warren (Rubber) .D  
 Western Raw Hide & Belting Co., 131 Worth (Raw Hide & Round or Twist) .....B  
**N. Y.—Rochester**  
 Cross Bros. & Co., 114 Mill (Leather) .....B  
 Estes Mfg. Co., 301 State (Oak Leather) .....C  
**N. Y.—Syracuse**  
 Syracuse Supply Co., 314 W. Fayette (Oak Tanned Leather) .....C  
**N. Y.—Troy**  
 Barnum Bros. Co., 179 River (Oak Tanned) .....C  
 Pine & Co., 745 Third Av. (Leather) .....A  
 Troy Belting & Supply Co., 6 Grand (Leather; Oak Leather) .....D  
**N. C.—Charlotte**  
 Charlotte Belting Co. (Short Oak Lap) .....C  
 Charlotte Supply Co. (Leather) .....C  
**OHIO—Akron**  
 Akron Belting Co. (Oak

**BELTING (Con.)**  
 Leather; Rubber) .....B  
 Goodrich Co., B. F. (Titanic  
 Rubber & Gutta Percha)  
 AAAAA

**OHIO—Canton**  
 Aultman Co. (Chain or Link) A

**OHIO—Cincinnati**  
 American Oak Leather Co.,  
 Lincoln Park (Oak Leather)  
 .....AAAAA  
 Bradford Belting Co., 2d &  
 Walnut (Leather) .....A  
 McGowan Co., Jno. H.  
 (Leather) .....A

**OHIO—Cleveland**  
 Bartlett & Snow Co. (Chain  
 or Link; Roller Chain) .B  
 Bodifield Belting Co., 24 S.  
 Water (Leather) .....C  
 Consumers Rubber Co., 190  
 Bank (Rubber) .....D

**OHIO—Columbus**  
 Case Mfg. Co. (Canvas &  
 Duck) .....A  
 Jeffrey Mfg. Co. (Chain or  
 Link; Cotton) .....AA

**OHIO—Toledo**  
 Hettrick Bros. Co. (Canvas)  
 D

**OHIO—Youngstown**  
 Amer. Belting Co. (Canvas;  
 Cotton Stitched & Thresh-  
 er) .....C  
 Republic Rubber Co. (Rub-  
 ber) .....AAAAA

**OREGON—Portland**  
 Simonds Mfg. Co. ....AAAA

**PA.—Allegheny**  
 Lappe & Co., N. A.  
 (Leather) .....A

**PA.—Easton**  
 World Refg. Co. (Oil) ....D

**PA.—Erie**  
 Lake Shore Rubber Co.  
 (Rubber) .....C

**PA.—Lancaster**  
 Helvetia Leather Co.  
 (Leather) .....D

**PA.—Muncy**  
 Strout-Waldron & Co.  
 (Leather) .....A

**PA.—Philadelphia**  
 Alexander Bros., 410 N.  
 3d (Oak Tanned) .....A  
 Army & Son, Chas. W., 228  
 N. 3d (Oak Tanned) ....D  
 Canos Mfg. Co., 146 N. 2d  
 (Leather & Canvas; Round  
 or Twist) .....D  
 Etsweiler, Wm., 230 N. 3d  
 (Indian Tanned) .....C  
 Levick & Co., R., 720 Chest-  
 nut (Rubber) .....A  
 Link Belt Engineering Co.,  
 Nicetown (Chain or Link  
 & Detachable Link) ....A  
 Main Belting Co., 1219 Car-  
 penter (Leviathan; Can-  
 vas) .....C  
 Paulus & Co., Jac. C., 415  
 Commerce (Leather) ....C  
 Pechin, T. E., 19th, cor.  
 Allegheny Av. (Oak  
 Tanned) .....C  
 Restein & Co., Clement, 139  
 N. 2d .....B  
 Rhoads & Son, J. E., 241  
 Market (Oak Leather;  
 Flat & Round) .....A  
 Richie, Crawford & Co., 420  
 N. 3d, (Leather) .....C  
 Smith & Co. (Inc.), James  
 (Leather) .....B  
 Wise & Bailey, Front, cor.  
 Race (Leather) .....D

**PA.—Pittsburg**  
 Hartley-Rose Belting Co.,  
 634 Smithfield (Leather)  
 A  
 Pittsburg Rubber & Leather  
 Co., 10 Wood (Rubber &  
 Leather) .....AA  
 Scaife Fdry. & Machine Co.  
 (Chain or Link) .....A

**PA.—Pittston**  
 Exeter Machine Wks.  
 (Chain or Link) .....B

**PA.—South Bethlehem**  
 Bethlehem Fdry. & Machine  
 Co. ....C

**BELTING (Con.)**  
**PA.—Williamsport**  
 Slate's Sons, Geo. (Leather)  
 O

**R. I.—Central Falls**  
 Weatherhead, Thompson &  
 Co. (Leather) .....A  
**R. I.—Fawtucket**  
 Weatherhead, Thompson &  
 Co. (Leather; Oak Leather;  
 Raw Hide; Round;  
 Waterproof) .....A  
**R. I.—Providence**  
 American Supply Co., 13  
 Eddy (Leather; Oak  
 Leather) .....A  
 Brown Bros. Co. (Oak  
 Leather) .....B  
 Burgess & Son, A., (Leath-  
 er) .....X  
 Providence Belting Co.  
 (Leather; Oak Leather;  
 Round) .....B

**TENN.—Memphis**  
 Southern Belting Co., 323  
 Front .....B

**VT.—Montpelier**  
 Lane Mfg. Co. (Leather) ..A

**VA.—Alexandria**  
 Smoot & Sons Co., C. C.  
 (Leather) .....AA

**VA.—Richmond**  
 Richmond Leather Mfg. Co.,  
 2201 E. Cary (Leather) ..D

**WIS.—Milwaukee**  
 Chain Belt Co., 766 Park  
 (Chain or Link) .....B  
 Filer & Stowell Co. (Link)  
 AAA

Western Raw Hide & Belt-  
 ing Co. (Leather & Raw  
 Hide & Superior Surface  
 Tanned; Twist) .....A

## BELTS

See also Leather Goods

**CAL.—San Francisco**  
 Heineman, H. W. (Leather)  
 B

**CONN.—Waterbury**  
 Waterbury Brass Co. (Shot)  
 AAAAA

**CONN.—Windsor**  
 Windsor Collar & Cuff Co.  
 (Rubber Dress) .....X

**ILL.—Chicago**  
 Bunker Saddle Co., 208 Lake  
 (Ladies') .....D  
 Cook & Bro., E. C., 40 Dear-  
 born (Cartridge) .....A  
 Horne's Elec. Belt & Truss  
 Co., Dr., 985 N. Clark  
 (Electric) .....X  
 Kittleman & Little .....E  
 Riordan Mfg. Co., T. G. ....C

**ILL.—Downers Grove**  
 Dicke Tool Co. (Linemen's)  
 D

**IND.—Indianapolis**  
 Union Mfg. Co. ....D

**IOWA—Des Moines**  
 Des Moines Skirt & Corset  
 Mfg. Co. (Ladies') .....E

**KANS.—Burlington**  
 Electric Appliance Co. (Inc.)  
 (Electric) .....D

**LA.—New Orleans**  
 Weydig & Son, Martin  
 (Fire) .....X

**MASS.—Andover**  
 Tyler Rubber Co. (Electric)  
 AA

**MASS.—Athol**  
 Bates Bros. Co. (Ladies')  
 B

**MASS.—Boston**  
 Hewes & Potter (Leather)  
 A  
 Hub Gore Makers, 91 Bed-  
 ford (Elastic) .....A  
 Trafton, H. O. (Womens')  
 E

**MASS.—Chicopee**  
 Ames Sword Co. (Sword) ..B

**MASS.—Worcester**  
 Warren Leather Goods Co.,  
 8 Washn. Sq. (Cartridge;  
 Sword) .....B

**MO.—St. Louis**  
 Brauer Bros., Mfg. Co.  
 (Cartridge) .....E  
 Straus Saddlery Co., Jacob



**BELTS (Con.)**

D., 410 N. 8th (Cartridge)

A

N. J.—Hoboken

Lehman &amp; Co. (Leather)...A

N. J.—Jersey City

Mehl &amp; Co., Jno. (Inc.)

(Ladies'; Leather)...AA

N. J.—Newark

Peters Harness &amp; Saddlery

Co. (Leather; Cartridge).O

N. Y.—Lookport

Empire Mfg. Co. (Abdo-

minal).....A

New York City

Cairns &amp; Bro., 143 Grand

(Fire).....D

Ferris Bros. Co., 341 Bway.

(Ladies' Sanitary).....A

Galewski, Adolph, 90 Cham-

bers (Linemen's).....F

Goodyear Rubber Co., 787

Bway. (Elastic).....AAAA

Hahn &amp; Co., A., 296 Bway.

(Ladies').....B

Knothe Bros.....O

Livingston &amp; Co., L., 587

Bway. (Ladies').....B

Maas, Blum &amp; Co., 370

Bway. (Ladies'; Leather)

AA

Medford Fancy Goods Co.,

75 Duane (Dog Collars).E

New York Woven Label

Mfg. Co., 262 Canal

(Dress).....D

Pall-Mall Elec. Assn., 870

Bway. (Electric).....F

Pomeroy Co., 17 Union Sq.

(Abdominal).....B

Rice's Sons, Bernard, 518

Bway. (Ladies').....A

Samstag &amp; Hilder Bros...A

Scheuer &amp; Bro., 329 Canal

(Ladies'; Leather).....X

Tower &amp; Lyon Co., 95

Chambers (Police).....B

Spaulding &amp; Bros., A. G.

Inc., 126 Nassau (Cart-

ridge, Athlete's; Shot)

AAAA

Von Lenzerke &amp; Detmold,

318 Bway. (Cartridge;

Shot).....A

Wade Corset Co. (Abdo-

minal).....AAAA

N. Y.—Rochester

Schaefer &amp; Klein (Silk)...C

OHIO—Cleveland

Cleveland Elec. Wks. (Elec-

tric).....X

OHIO—Toledo

Hettrick Bros. Co. (Emery

Polishing).....B

PA.—Philadelphia

Horn &amp; Bros., Wm. H., 453

N. 3d (Abdominal; Elas-

tic).....E

Horstmann Co., Wm. H.,

Cherry &amp; N. 5th (Leath-

er; Sword).....AAAA

Kendrick, James R., Ger-

mantown (Abdominal &amp;

Sanitary).....E

Kolbe Co., D. W., 1339 Arch

(Abdominal).....X

Loeb, Lipper &amp; Co., 319 N.

Darlen (Dress; Ladies')..A

Oppenheimer's Sons, Lewis

C

Perry, Fergus, 5013 Wake-

field (Abdominal).....D

Philadelphia Truss Co., 610

Locust (Abdominal).....X

Rosenblatt &amp; Co., H. M.,

1025 Vine (Leather; Cloth-

ing).....A

Seeley, Isaac B., 1027 Wal-

nut (Elastic).....B

B

R. I.—Providence

Brown Bros. &amp; Co. (Leath-

er).....B

TENN.—Nashville

Carlsbad Suspender Co.

(A. Bennie &amp; Co., Props.)

D

BENCHES

See Furniture &amp; Tables

CONN.—Bridgeport

American Tube &amp; Stamping

Co. (Draw).....AAA

Armstrong Mfg. Co. (Wire

Drawing).....A

Spencer, J. E. (Wire Draw-

**BENCHES (Con.)**

ing) 123 Railroad .....H

CONN.—Derby

Birmingham Iron F'dry

(Wire Drawing).....A

CONN.—Norwich

Rogers &amp; Co., C. B. (Saw)

AAAA

CONN.—Waterbury

Waterbury Machine Co.

(Wire Drawing).....B

Waterbury Farrell F'dry &amp;

Machine Co. (Draw &amp;

Hydraulic Draw).....AA

ILL.—Batavia

Challenge Wind Mill &amp; Feed

Mill Co. (Saw).....AAA

U. S. Wind Engine &amp; Pump

Co. (Saw).....AA

ILL.—Chicago

Covel Mfg. Co. (Saw) 8 S.

Canal.....O

Greenlee Bros. &amp; Co (Saw)

AA

Illinois Malleable Iron Co.

(Tub &amp; Wringer).....AAAA

Schomer, Henry, 301 Canal

(Folding Wash).....D

ILL.—Joliet

Bates Machine Co. (Draw;

Wire Drawing).....A

Bliss Co., E. W., 19 Adams

(Draw).....AAAA

IND.—Goshen

I. X. L. &amp; Goshen Pump Co.

(Folding Wash).....B

IND.—Indianapolis

Chandler &amp; Taylor Co. (Cord

Wood Saw).....AA

Udell Wks. (Folding Wash;

Plane; Wringer).....A

IND.—Marion

Nat'l Sweeper Co. (Tub &amp;

Wringer).....AAAA

MASS.—Boston

Woods Machine Co., S. A.

(Saw).....AA

MASS.—Brocton

Kimball Bros. &amp; Sprague

153 Centre (Circular Saw)

B

MASS.—Harvard

Hildreth Bros. (Saw)....B

MASS.—Orange

Chase Turbine Mfg. Co.

(Saw; Power Feed Saw).A

MASS.—Springfield

Bullock &amp; Co., O. W.

(Jewelers Draw).....A

MASS.—Worcester

Morgan Construction Co.

(Draw; Wire Drawing) B

Reed &amp; Co., F. E. (Scrapers)

A

MICH.—Fenton

Philipps Co., A. J. (Tub &amp;

Wringer).....A

MICH.—Grand Rapids

American Machinery Co.

(Circular Saw).....A

Grand Rapids Hand Screw

Co. (Cabinet Makers')..B

MO.—St. Louis

Parker Russell Mining &amp;

Mfg. Co. (Gas Retort)

AAA

N. H.—Nashua

Nashua Novelty Works

(Wash).....B

N. J.—Newark

Gould &amp; Eberhardt, 95 N. J.

R. R. Av. (Wire Draw-

ing; Draw).....A

Ohl &amp; Co., Geo A. (Draw)

B

N. J.—Paterson

Royle &amp; Sons, Jno. (Saw) A

N. J.—Smithville

Smith Machine Co., H. B.

(Saw).....A

N. J.—Trenton

Mac Kenzie, Duncan (Wire

Drawing).....A

Trenton Iron Co. (Draw) AA

N. Y.—Brooklyn

Cooper &amp; Mc Kee, 119

Gwinett (Wash).....A

N. Y.—Buffalo

Frank M'ch'ry Co. (Saw) .O

Holmes M'ch'ry Co., E. &amp;

B. (Saw).....B

Oliver Mfg. Co., 1483

Niagara (Draw; Jewelers;

etc.).....O

N. Y.—Jamestown

Empire Washer Co. (Folding

**BENCHES (Con.)**

Wash) .....A  
**New York City**  
 American Tool Chest Co.,  
 200 W. Houston (Work) C  
 American Wood Working  
 Mach. Co., 141 Broadway  
 (Saw) .....AAAA  
 American Wringer Co., 99  
 Chambers (Folding Wash)  
 AAAAA  
 Fairbanks Co., 416 Broome  
 (Machinists Work) AAAAA  
 Mace & Co., L. H., 111 E.  
 Houston (Wash) .....B  
 New Jersey Foundry & Ma-  
 chine Co. (Draw) .....B  
 Watson-Stillman Co., 210 E.  
 43rd (Draw & Hydraulic  
 Draw) .....AA  
**N. Y.—Troy**  
 Parks & Parks (Folding  
 Wash) .....D  
**OHIO—Cuyahoga Falls**  
 Turner, Vaughan & Taylor  
 Co. (Draw; Wire) .....B  
**OHIO—Toledo**  
 Baker Bros. (Circular Saw;  
 Pattern Maker's) .....A  
 Toledo Machine & Tool Co.  
 (Wire Drawing) .....A  
**PA.—Allentown**  
 Grammes & Sons, L. F.  
 (Saw) .....A  
**PA.—Bloomsburg**  
 Richards Mfg. Co. (Draw)  
 C  
**PA.—Erie**  
 American Mfg. & Novelty  
 Co (Wash) .....C  
 Lovell Mfg. Co (Ltd) (Fold-  
 ing Wash) .....AA  
 Standard Sawmill M'ch'ry  
 Co., 911 E. 12th (Saw) .B  
**PA.—Harrisburg**  
 Hickok Mfg. Co., W. O.  
 (Sewing) .....AA  
**PA.—New Castle**  
 Vulcan F'dry & Machine Co.  
 (Draw) .....B  
**PA.—Philadelphia**  
 Colladay, Jos. O., 626 Race  
 (Saw) .....B  
 Cresson Co., Geo. V., 18th &  
 Allegheny Av. (Draw) AA  
 Hammond & Son, J. T., 4534  
 Hedge (Folding Wash) .B  
 Power & Co., L., 20 S. 23rd  
 (Saw) .....A  
**PA.—South Bethlehem**  
 Bethlehem F'dry & Machine  
 Co. (Folding) .....C  
**R. I.—Pawtucket**  
 Bliss Mfg. Co., R. (Sewing)  
 AAAAA  
 Mossberg & Granville Mfg.  
 Co. (Draw; Jewelers'  
 Draw) .....A  
**R. I.—Providence**  
 Standard Machinery Co.  
 (Draw) .....A

**BENDERS**

See also Hardware; Carria-  
 ges.

**DEL.—Wilmington**  
 Hilles & Jones Co. (Rail) AA  
**ILL.—Carpentersville**  
 Ill. Iron & Bolt Co. (Roller  
 Blaring Tire) .....A  
**ILL.—Chicago**  
 Gibson Co., W. D., 23 N.  
 Clinton (Pipe; Wire) ...B  
 Railway Appliance Co., Old  
 Colony Bldg. (Rail) ...A  
 Wallace Supply Co., 169  
 Jackson Boul. (Angle &  
 Eye; Hand Power) ....D  
**ILL.—Evanston**  
 Mark Mfg. Co. (Lead Pipe)  
 B  
**ILL.—Moline**  
 Williams, White & Co.  
 (Tire) .....A  
**ILL.—Rockford**  
 Weyburn Co. (Tire) .....D  
**ILL.—Sandwich**  
 Espen & Dolan (Angle &  
 Eye; Ring & Hinge; Hand  
 Power) .....G  
**IOWA—Ottumwa**  
 Hardeoog Mfg. Co. (Coal  
 Miners' Rail) .....B

**BENDERS (Con.)**

**MASS.—Boston**  
 Butts & Ordway Co., 190  
 High (Tire) .....D  
**MASS.—Canton**  
 Kinsley Iron & Machine Co.  
 (Tire) .....AA  
**MASS.—Greenfield**  
 Wiley & Russell Mfg. Co.  
 (Tire) .....AA  
**MASS.—Worcester**  
 Boynton & Plummer (Tire)  
 B  
**MICH.—Detroit**  
 Fulton Iron & Engine W'ks.  
 (Tire) .....X  
 National Fulton Brass Mfg.  
 Co. (Tire) .....A  
**MICH.—Kalamazoo**  
 Kalamazoo Railway Supply  
 Co. (Rail) .....B  
**MO.—St. Louis**  
 Pleunger & Henger Mfg. Co.,  
 11th & Hebert (Tire) ..B  
 Western Glass Bending  
 Works, 1520 Gratiot  
 (Glass) .....D  
**N. H.—Penacook**  
 Concord Axle Co. (Tire) ..B  
**N. J.—Newark**  
 Bernz, Otto, S. 13th & S.  
 Orange Av. (Lead Pipe)  
 B  
**N. Y.—Buffalo**  
 Buffalo Forge Co. (Tire)  
 AA  
**New York City**  
 Billings Pipe Bender Mfg.  
 Co., 38 Park Pl. (Brass;  
 Copper; Lead Pipe) ...D  
 Watson-Stillman Co. (Hy-  
 draulic; Rail) .....AA  
**N. Y.—Syracuse**  
 Kane & Roach (Tire) ....D  
**OHIO—Cincinnati**  
 Haven Malleable Casting  
 Co. (Tire) .....B  
**OHIO—Cleveland**  
 Cleveland Wire & Spring Co.  
 (Lead Pipe; Wire) .....C  
**OHIO—Hamilton**  
 Long & Allstatter Co. (Rail)  
 AA  
**OHIO—Youngstown**  
 Sennett Co., G. B. (Rail) A  
**PA.—Corry**  
 Raymond Mfg. Co. (Lead  
 Pipe; Wire) .....Q  
**PA.—Lancaster**  
 Champion Blower & Forge  
 Co. (Tire) .....B  
 Potts, David H. (Tire) ...D  
**PA.—Nazareth**  
 Nazareth F'dry & Machine  
 Co. (Rail) .....B  
**PA.—Philadelphia**  
 Espen-Lucas Machine W'ks.  
 Broad & Noble (Rail) ..D  
 Morris, P. H., 1501 S.  
 Front; (Rail) .....C  
**PA.—Pittsburg**  
 Best Mfg. Co. (Iron, Steel,  
 Brass; Copper; Extension)  
 A  
**PA.—Scottdale**  
 Kenney & Co. (Tire) ....A  
**PA.—South Bethlehem**  
 Bethlehem F'dry & Machine  
 Co. (Rail; Tire) .....C

**BENDS**

**CONN.—Bridgeport**  
 Belknap Mfg. Co. (Brass;  
 Conner; Iron; Steel) ...C  
**CONN.—Hartford**  
 Whitlock Coll Pipe Co.  
 (Pipe; Wrought Iron for  
 Steam Plants) .....A  
**CONN.—New Haven**  
 National Pipe Bending Co.  
 (Pipe; Brass; Copper;  
 Iron; Steel) .....B  
**ILL.—Chicago**  
 Blatchford & Co., E. W.  
 (Lead) .....AA  
 Crane Co. (Wrought Iron for  
 Steam Plants) .....AAAA  
 Ill. Malleable Iron Co.  
 (Iron) .....AA  
**MD.—Baltimore**  
 Robertson Mfg. Co., Jas.  
 (Lead) .....A  
**MASS.—Boston**  
 Walworth Mfg. Co., 100  
 Pearl (Pipe; Brass; Cop-

**BENDS (Con.)**  
 per) .....AAAA  
**New York City**  
 Nat'l Lead Co. (Pipe;  
 Lead) .....AAAA  
**OHIO—Canton**  
 Mc Lain Co, Jas. H. (Brass)  
 AA  
**PA.—Allentown**  
 Albright's Son & Co. (Pipe)  
 A

**PA.—Harrisburg**  
 Harrisburg Pipe & Pipe  
 Bending Co. (Ltd) (Pipe;  
 Brass; Copper; Iron;  
 Steel) .....AA  
**PA.—Philadelphia**  
 Philadelphia Pipe Bending  
 W'ks., 4129 No. 5th (Pipe;  
 Iron) .....F  
**R. I.—Providence**  
 Phillips Co., Thos (Copper)  
 C

## BENEDICTINE

See Liquors; Cordials

## BENZINE

**ILL.—Chicago**  
 Indian Asphalt Co. (Rail-  
 way Exch. Bldg.) .....B  
**PA.—Bradford**  
 Emery Mfg. Co. ....AAAA  
**PA.—Petrolia**  
 Petrolia Refining Co. ....C  
**PA.—Philadelphia**  
 Crew, Levick & Co. ....AAA

## BENZON

**New York City**  
 Hopkins & Co., J. L., 100  
 William .....A  
 Mc Kesson & Robbins (Gum)  
 AAAA

## BENZOLE

**CAL.—San Francisco**  
 Pacific Refining & Roofing  
 Co., 113 New Montgomery  
 D

**N. Y.—Buffalo**  
 Schoellkopf, Hartford &  
 Hanna .....AAAA  
**N. Y.—Syracuse**  
 Solvay Process Co. ....AAAA  
**New York City**  
 White Tar Co. ....E  
**PA.—Philadelphia**  
 Barrett Mfg. Co. ....AAAA  
**PA.—Pittsburg**  
 McClintock & Irvine Co.  
 (Crude) .....B

## BERRIES

See Canned Goods & Dried  
 Fruit.

## BEVELERS

**CAL.—Los Angeles**  
 Raphael & Co., H., 509 So.  
 Main (Glass) .....AA  
**CAL.—San Francisco**  
 Ingerson & Glaser Co.  
 (Glass) .....D  
**ILL.—Chicago**  
 Schuler & Mueller Co., Cor.  
 Madison & Canal (Glass)  
 D

**MICH.—Detroit**  
 Friedricks & Wolfrum, 107  
 Gratiot Av. (Glass) ....E  
**MO.—St. Louis**  
 Hadley-Dean Glass Co., 11th  
 Cor. Lucas Av. (Glass) A  
 Oriel Glass Co. (Glass) ...B  
**N. J.—Newark**  
 Smith, M. A., 65 Chambers  
 (Glass) .....D  
**N. J.—Paterson**  
 Royle & Sons, John .....A  
**N. Y.—Brooklyn**  
 Jones Decorative Glass Co.,  
 Thos., Concord Cor. Hudson  
 Av. (Glass) .....C  
**New York City**  
 Popper & Sons., Leo., 7 Sul-  
 livan (Glass) .....A  
**OHIO—Cincinnati**  
 Cincinnati's Beveling & Sh-

**BEVELERS (Con.)**  
 vering Co., 430 Oliver  
 (Glass) .....B  
**Western Mirror Plate Co.,**  
 824 Wade (Glass) .....B  
**OHIO—Cleveland**  
 Crane Glass & Mfg. Co., 286  
 St. Clair (Glass) .....C  
**PA.—Pittsburg**  
 Pittsburg Plate Glass Co.,  
 Frick Bldg. (Glass) AAAA

## BEVELS

**CONN.—New Britain**  
 Stanley Rule & Level Co.  
 AAA

**CONN.—Pine Meadow**  
 Chapin-Stephens Co. ....B  
**CONN.—Unionville**  
 Upson Nut Co. ....AAA

**MASS.—Athol**  
 Athol Machine Co. ....C  
 Standard Tool Co. ....X  
 Starret Co., L. S. (Combina-  
 tion Universal, etc.) ....B  
**MASS.—Chicopee**  
 Stevens Arms & Tool Co., J.  
 AAA

**MASS.—Fitchburg**  
 Sawyer Tool Mfg. Co.  
 Combination) .....E

**MASS.—Springfield**  
 Bemis & Call Hdw. Co. ..B  
**PA.—Philadelphia**  
 Disston & Sons, Henry,  
 75 W. Wash'n. Tacomy E  
**R. I.—Providence**  
 Brown & Sharpe Mfg. Co.  
 AAA

## BIBBS

See Cocks & Bibbs

## BIBLES

See Books

## BICYCLES

**CONN.—Bridgeport**  
 Liberty Cycle Co., 166 John  
 (Sundries) .....E  
**CONN.—Hartford**  
 Pope Mfg. Co. (Motor)  
 AAAA

**CONN.—Torrington**  
 Eagle Bicycle Mfg. Co. ....A  
**ILL.—Belvidere**  
 Natl. Sewing Machine Co.  
 AAA

**ILL.—Chicago**  
 Amer. Cycle Co., 501 Wells  
 (Mfrs) .....AAAA  
 Chicago Scale Co., 292 W.  
 Jackson Boul. ....A  
 Featherstone & Co., A., 1614  
 Armour Av. ....A  
 Fowler Cycle Wks. ....E  
 Haussman & Dunn, 107 S.  
 Clark .....C  
 Sturges & Burn Mfg. Co. ....A  
 Temple Cycle Co., Ralph. ....C

**ILL.—Harvard**  
 Hunt, Helm & Ferris....B  
**IND.—Butler**  
 Rutler Co. ....B

**IND.—Indianapolis**  
 Sensitive Governor Co. ....B  
**IND.—La Porte**  
 Lonn & Sons Co., J. ....A

**IND.—Richmond**  
 Henly Bicycle Wks. ....A  
**MASS.—Fitchburg**  
 Johnson, Iver Arm & Cycle  
 Wks., .....A

**MASS.—Springfield**  
 Hendee Mfg. Co. (Motor). X  
 Warwick Cycle Mfg. Co. ....B

**MASS.—Waltham**  
 Waltham Mfg. Co. ....AA  
**MICH.—Battle Creek**  
 Bown Machine Wks. ....G

**MICH.—Bay City**  
 Natl. Cycle Mfg. Co. ....C  
**MICH.—Hudson**  
 Beau Chamberlain Mfg. Co.  
 (Mfrs.) .....B

**N. J.—Smithville**  
 Smith Machine Co., H. B. ....A  
**N. J.—Trenton**  
 Stahl, Harry E. ....D

**N. Y.—Buffalo**  
 Pierce & Co., Geo. N. ....AA  
 Thomas Motor Co., E. R.  
 (Motor) .....A

**BICYCLES (Con.)**

**N. Y.—Ilion**  
**Bemington Arms Co. (Br.**  
**N. Y. City) .....AA**  
**N. Y.—Jamestown**  
**Fenton Metallic Mfg. Co..A**  
**New York City**  
**Ingersoll & Bro., Robt. H.,**  
**163 Washn. ....A**  
**Mace & Co., L. H.**  
**(Children's) .....B**  
**N. Y.—Syracuse**  
**Stearns & Co., E. C. ....AA**  
**OHIO—Cincinnati**  
**Norwood Machine & Mfg.**  
**Co. (Mfrs.) 2d & Plum..B**  
**OHIO—Cleveland**  
**White Sewing Machine Co.**  
**AAA**

**OHIO—Clyde**  
**Elmore Mfg. Co. ....A**  
**OHIO—Dayton**  
**Davis Sewing Machine Co.**  
**AA**

**OHIO—Elyria**  
**Fay Mfg. Co. (Children's)**  
**D**

**OHIO—Hamilton**  
**Meyers Mfg. Co., Fred J..B**  
**OHIO—Middletown**  
**Miami Cycle & Mfg. Co..B**  
**OHIO—Springfield**  
**Thomas Mfg. Co. ....AAA**  
**OHIO—Toledo**

**Gendron Wheel Co. (Child-**  
**ren's) .....AA**  
**Kirk Mfg. Co. ....D**  
**Toledo Metal Wheel Co. AA**  
**U. S. Pump & Supply Co..C**

**PA.—Philadelphia**  
**Wall Mfg. Co., R. C., 725**  
**Arch .....F**

**PA.—Pottstown**  
**Light Cycle Co. ....B**  
**PA.—Reading**  
**Packer Cycle Co. ....F**  
**Reading Standard Cycle Co.**  
**B**

**PA.—Williamsport**  
**Demarest Mfg. Co. ....A**  
**WIS.—Milwaukee**  
**Bremer Cycle Mfg. Co....F**  
**Durant, W. N. (Bamboo)..E**  
**League Cycle Wks. ....D**

**WIS.—Two Rivers**  
**Aluminum Mfg. Co. (Alu-**  
**minum) .....A**

**PA.—Reading**  
**Packer Cycle Co. ....F**  
**Reading Standard Cycle Co.**  
**B**

**PA.—Williamsport**  
**Demarest Mfg. Co. ....A**  
**WIS.—Milwaukee**  
**Bremer Cycle Mfg. Co....F**  
**Durant, W. N. (Bamboo)..E**  
**League Cycle Wks. ....D**

**WIS.—Two Rivers**  
**Aluminum Mfg. Co. (Alu-**  
**minum) .....A**

## BICYCLE CLOTHING

See Clothing; Mens'

**BIDETS**

**CONN.—New Haven**  
**Peck Bros. Co. ....A**

**MASS.—Boston**  
**Dalton-Ingersoll Co. ....A**  
**New York City**

**Hale Co. ....X**  
**Mason & Co., J. W. ....D**  
**Mott Iron Wks., J. L., 88**  
**Beekman .....AA**

**OHIO—Cincinnati**  
**Alms Mfg. Co., F. W. ....X**

**BIGGINS**

**CONN.—Meriden**  
**Manning, Bowman & Co.**  
**(Coffee) .....AAAA**

**MO.—St. Louis**  
**St. Louis Stamping Co.**  
**(Coffee) .....AAAA**

**N. Y.—Brooklyn**  
**Sweeney Mfg. Co., W. H.**  
**(Coffee) .....B**

**New York City**  
**Lalance & Grosjean Mfg.**  
**Co. (Coffee) .....AAAA**

**BILLETS**

See Iron & Steel

**BILLIES**

**CAL.—Los Angeles**  
**Western Whip Co., 816 San**  
**Pedro (Policemen's)....F**

**ILL.—Chicago**  
**Brown, H., 759 Elston Av.**

**BILLIES (Con.)**

**(Policemen's) .....D**  
**New York City**  
**Estes & Sons, E. B., 4th**  
**John (Policemen's) ...AA**

**BINDER TWINE**

See Cordage

**BINDERS**

See Agr. Implements

**BINDINGS**

See also Silk Goods

**CONN.—Middletown**  
**Russell Mfg. Co. (Blanket;**  
**Cotton Back; Worsted)**  
**AAAA**

**MASS.—Boston**  
**White & Son, W. B. (Metal**  
**Pattern) .....D**

**MASS.—Clinton**  
**Clinton Spec. Mfg. Co.**  
**(Dress) .....D**

**MASS.—Lawrence**  
**Wright Mfg. Co. (Worsted**  
**Dress) .....B**

**MASS.—Lexington**  
**Merriam, M. H. (Leather**  
**Shoe) .....B**

**S.—Lynn**  
**Parker Bros. (Leather;**  
**Shoe) .....E**

**MASS.—Worcester**  
**Thayer Mfg. Co., L. D.**  
**(Dress, &c.) .....C**

**Witer & Co., H. M. (Dress;**  
**Blanket) .....D**

**MICH.—Belding**  
**Belding Bros. & Co. (Silk)**  
**AAAA**

**Richardson Silk Co. (Silk)**  
**AA**

**N. J.—Hoboken**  
**Beck Bros. (Silk Dress)...C**  
**N. J.—Newark**

**Goulds' Sons, M. (Metallic;**  
**Carpet) .....A**  
**New York City**

**Conover Co., C. E. (Com-**  
**mission—Dress) .....D**  
**Dresser & Olmstead (Com-**  
**mission) .....C**

**Dunlap & Co. (Silk; Hat)**  
**AA**

**Freydberg Bros. (Silk**  
**Skirt) .....C**

**Gould Mersereau Co. (Corner**  
**& Metallic; Carpet) ....B**

**Judd & Co., H. L. (Metallic;**  
**Carpet; Oilcloth) ....AA**

**Knapp Rubber Binding Co.**  
**(Carpet; Oilcloth; Rub-**  
**ber) .....B**

**Loth & Co., Joseph (Silk)**  
**AA**

**Schloss Bros. (Silk).....D**  
**Strouse, Adler & Co. (Cor-**  
**set) .....AAAA**

**Warner Bros. Co. (Corset)**  
**AAAA**

**N. Y.—Rochester**  
**Rochester Textile Wks.**  
**(Dress; Silk) .....E**

**PA.—Philadelphia**  
**Adamson & Co., Joseph**  
**(Oilcloth; Stay) .....A**

**Krout & File Mfg. Co.**  
**(Dress) .....B**

**Horstmann Co., Wm. H.**  
**(Carpet; Silk) .....AAAA**

**Murphy & Son, Matthew**  
**(Tapestry) .....A**

**Sullivan & Sons Mfg. Co.,**  
**J. (Dress Stay) .....AA**

**Weiner Bros. (Dress) ....D**  
**Wilson & Sons, James (Car-**  
**pet) .....A**

**R. I.—Pawtucket**  
**Kenyon Mfg. Co., Jno. J.**  
**(Corset; Stay) .....B**

**R. I.—Providence**  
**Fletcher Mfg. Co. (Oil-**  
**cloth) .....AAA**

**Hope Webbing Co. (Blanket;**  
**Carpet; Corset; Stay;**  
**Mattress) .....AAA**

## BINNACLES

**MASS.**—Boston  
Thaxter & Son, S., 125 State  
C  
New York City  
Bliss & Co., John, 28 Front  
(Ship) .....D  
Keuffel & Esser Co., 127  
Fulton .....AA  
Merrills' Sons, Robt. ....B  
**PA.**—Philadelphia  
Biggs & Bro., 310 Market. B

## BINS

**ALA.**—Mobile  
Union Iron Works (Coal). B  
**CONN.**—Derby  
Birmingham Iron Fdy. (Ore) AA  
**ILL.**—Chicago  
Warren Mfg. Co., J. D., 502  
Masonic Temple (Nail) ..B  
**IND.**—Muncie  
Glasscock Bros. Mfg. Co.  
(Flour) .....B  
**KANS.**—Fort Scott  
Ft. Scott Fdy. & Machine  
Co. (Ore) .....H  
**MICH.**—Homer  
Seeder Mfg. Co. (Flour) ..F  
**N. Y.**—Jamestown  
Fenton Metallic Mfg. Co.  
(Postal) .....A  
New York City  
Morgan & Connell, 211  
Duane (Grocers; Tea; Cof-  
fee) .....X  
**OHIO**—Salem  
Clark Co., W. J. (Portable  
Steel Hdw.; Nail) .....A  
**OHIO**—Warren  
Peerless Sifter Co. (Flour) E  
**PA.**—Pittsburg  
Ritter-Conley Mfg. Co. (Coal  
Storage) .....AAA  
Scaife Machy. Co., 221 First  
Av. (Steel) .....A  
**PA.**—Wilkesbarre  
Vulcan Iron Wks. (Ore) AAAA  
**WIS.**—Cudahy  
Power & Mining Machinery  
Co. (Steel) .....AAA  
**WIS.**—Milwaukee  
Wisconsin Bridge & Iron..  
Co. (Coal) .....AA

## BIRDS

**CONN.**—Meriden  
Bradley & Hubbard Mfg.  
Co. (Sewing) .....AAA  
**CONN.**—New Britain  
Landers, Frary & Clark  
(Sewing) .....AAA  
**MASS.**—Boston  
New England Novelty Mfg.  
Co. (Sewing) .....H

## BISCUIT

See Bakers

**N. J.**—Newark  
Spratt's Patent (America)  
Ltd. (Dog) .....B

## BISMUTH

**MO.**—St. Louis  
Mallinckrodt Chemical Wks.  
AAAA  
Herf & Frerichs Chemical  
Co. (Subnitrate) .....A  
**N. Y.**—Brooklyn  
Enequist, Erik N., No. 9th  
& Roebling .....D  
New York City  
New York Quinine & Chem-  
ical Works, 114 William A

## BITS

See Augers

## BITTERS

See also Liquors

New York City

## BITTERS (Con.)

Funke, Jr., L., 72 Beekman  
(Bakers) .....B

## BLACK

**LA.**—New Orleans  
Standard Guano & Chemical  
Mfg. Co. (Bone) .....AA  
**MASS.**—Boston  
Cabot, Godfrey L. (Lamp;  
Carbon; Bone; Ivory;  
Drop) .....A  
Cabot, Saml. (Lamp) ....A  
Seaver & Co. (Carbon;  
Ivory; Drop; Bone; Lamp) E  
**MICH.**—Detroit  
Michigan Carbon Works  
(Bone) .....AAA  
**N. Y.**—Evergreen  
Lyons, Jas. (Lamp) .....X  
New York City  
American Agricultural  
Chem. Co. (Bone) .AAAA  
Bartels, Ernest C. (Lamp;  
Carbon; Drop; Ivory;  
Bone) .....B  
Binney & Smith Co., 81  
Fulton (Carbon; Ivory;  
Bone; Lamp) .....AA  
Taylor Co., Geo. F. (Bone) F  
Wegelin & Wilkes Black  
Mfg. Co. (Carbon; Lamp;  
Ivory; Drop; Bone) ....B  
**PA.**—Philadelphia  
Bihn & Wolff (Carbon;  
Drop; Ivory; Lamp; Bone) B

## BLACK- BOARDS

**CONN.**—East River  
Munger & Son (Cloth;  
Coated) .....C  
**CONN.**—Winsted  
Gilbert Clock Mfg. Co.  
(Slate) .....AA  
**MASS.**—Leominster  
Whitney Reed Chair Co.  
(Folding; Coated) .AAAA  
**N. H.**—Nashua  
Maine Mfg. Co. (Childrens';  
Coated) .....A  
New York City  
New York Silicate Book  
Slate Co. (Roll; Silicate) D  
**OHIO**—Cleveland  
Auld & Conger, 262 Prospect  
Av. (Slate) .....A  
**PA.**—Bangor  
Bangor Peerless Slate Co.  
(Slate) .....C  
Dernberger, Isaac D. (Slate) D  
**PA.**—Danielsonville  
Hower Slate Co. (Slate) ..B  
**PA.**—East Bangor  
Bangor Consolidated Slate  
Slate Co. (Bangor Slate) AA  
**PA.**—Easton  
Bangor Excelsior Slate Co.  
(Bangor Slate) .....A  
**PA.**—Pen Argyl  
Crown Slate Co. (Slate) ...C  
Lobb's Sons, William (Slate) C  
**PA.**—Pittsburg  
Lawrence & Co., W. W.  
(Slate) .....AA  
**PA.**—Slatington  
Slatington-Bangor Slate  
Syndicate (Slate) .....D  
Eureka Slate Mfg. Co.  
(Slate) .....E  
**VT.**—Fair Haven  
Fair Haven Marble & Mar-  
bleized Slate Co. (Bangor  
Slate) .....B  
**WIS.**—Milwaukee  
Meinecke & Son, A. (Chil-  
dren's; Folding) .....AA

## BLACKING

See also Paste; Polish

**ILL.**—Chicago  
Martell Co., 303 Dearborn

**BLACKING (Con.)**

(Harness; Shoe; Paste) B  
 Martin & Martin, 1898 Car-  
 roll (Shoe) .....D  
**MASS.—Boston**  
 Baker & Co., Chas. F. (Shoe  
 & Paste) .....A  
 Brown & Co., B. F. (Shoe  
 & Paste) .....H  
 Burbank Mfg. Co., 62 Al-  
 vord (Shoe) .....C  
 Congo Blacking Mfg. Co.,  
 63 Oliver (Shoe) .....F  
 Hawthaway & Sons, C. L.,  
 346 Cong. (Shoe).....AA  
 Morse Blacking Co., 34  
 Binford (Shoe; Finish).D  
 Wood Co., Geo. H. (Shoe &  
 Paste) .....C  
**MASS.—Canton Junction**  
 Crow Blacking Co. (Leather) B  
**MASS.—Worcester**  
 Albertson, W. R. (Shoe)..D  
 Pike Mfg. Co. (Shoe)....D  
**MICH.—Grand Rapids**  
 West & Co., S. H. (Shoe &  
 Polish) .....F  
**MINN.—Winona**  
 Roessner Mfg. Co. (The)  
 (Shoe; Polish) .....F  
**N. J.—Camden**  
 Hollingshead & Co., R. M.  
 (Shoe) .....B  
**N. Y.—Buffalo**  
 Favorite Mfg. Co., 1067  
 Niagara (Shoe Dressing) D  
 Stinson & Co., B. F., 418  
 Niagara. (Shoe) .....D  
**New York City**  
 Bixby & Co., S. M., 194  
 Hester (Shoe; Paste)...C  
 Griffing Mfg. Co., 82 Cort-  
 landt (Shoe) .....C  
 Loewenstein, M., 71 Wash-  
 ington Sq. So. (Shoe)...D  
 Miller Co., Frank, 349 W.  
 26th (Shoe; Paste; Leath-  
 er; Boot Edge; Harness) B  
 Moss, Geo. A., 167 Reade  
 (Shoe; Paste) .....B  
 Prescott & Co., J. L. (Shoe  
 & Paste) .....A  
 Raven Gloss Mfg. Co., 81  
 White (Shoe) .....D  
 Restorff & Bettmann, 35  
 Bond (Shoe) .....B  
 Rothschild Bros. & Co.,  
 (Shoe) .....AA  
**N. Y.—Rochester**  
 American Chemical Mfg. &  
 Mining Co. (Shoe) .....B  
 Rochester Chemical Co.  
 (Shoe) .....B  
**OHIO—Cincinnati**  
 Ampt Co., Chas. F. (Shoe) D  
**PA.—Philadelphia**  
 Boyer & Co., 135 No. 2d  
 (Shoe) .....D  
 Colburn Co., A. (The)  
 (Shoe) .....AA  
 Diamond & Onyx (Shoe)..B  
 Diamond, McDonnell & Co.  
 (Shoe; Paste) .....C  
 Eclipse Cement & Blacking  
 Co. (Shoe) .....C  
 Mason Co., James S. (Shoe  
 & Paste) .....A  
 Paxson Co., J. W.  
 (Foundry) .....AA  
**WIS.—Milwaukee**  
 Diamond Ink Co. (Shoe)..D

**BLADDERS**

**ILL.—Chicago**  
 Morgan & Wright, 333 W.  
 Lake (Rubber) .....AA  
**MASS.—Andover**  
 Tyler Rubber Co. (Football) AA  
**OHIO—Akron**  
 Faultless Rubber Co. (Rub-  
 ber Ball) .....AA  
 Goodrich Co., B. F. (Foot-  
 ball; Punching).....AAAA

**BLADES**

**CAL.—San Francisco**  
 Pacific Saw Mfg. Co. (Cur-

**BLADES (Con.)**

riers; Band Saw) .....X  
**CONN.—Bridgeport**  
 Bridgeport Brass Co. (Metal  
 Fan) .....AA  
**CONN.—Lakeville**  
 Holley Mfg. Co. (Plush Cut-  
 ting) .....B  
**CONN.—New Haven**  
 West Haven Mfg. Co. (Hack  
 Saw) .....B  
**CONN.—Waterbury**  
 Holmes Booth & Haydens Co  
 (Metal Fan) .....AAA  
**DEL.—Wilmington**  
 Hiller & Ives Co. (Meat  
 Shear) .....AAAA  
**GA.—Atlanta**  
 Southern Saw Wks. (Saw) B  
**ILL.—Chicago**  
 Republic Iron & Steel Co.,  
 Stock Exch. Bldg. (Steel  
 Stone; Screw) .....AAAA  
**ILL.—Rockford**  
 Barnes Co., W. F. & John  
 (Scroll Saw) .....AA  
**IND.—Indianapolis**  
 Atkins & Co., E. C. (Band  
 Saw; Hack Saw; Wood  
 Saw; Scroll) .....AAAA  
 Barry Saw & Supply Co., W.  
 B. (Hand Saw; Saw)...C  
**IND.—Lawrenceburg**  
 Bishop & Co., Geo. H. (Saw;  
 Butchers' & Woods Saw) A  
**MASS.—Athol**  
 Athol Machine Co. (Hack  
 Saw) .....B  
**MASS.—Fitchburg**  
 Fitchburg File Wks. (Hack  
 Saw; Butchers' Saw) .D  
 Simonds Mfg. Co. Band  
 Saw; Metal Shears; Wood  
 Saw; Butchers' Saw;  
 Scroll) .....AAA  
**MASS.—Greenfield**  
 Goodell-Pratt Co. (Butchers  
 Saw; Hack Saw) .....B  
 Nichols Bros. (Butchers'  
 Saw) .....C  
**MASS.—Southbridge**  
 Harrington, T. J. (Cuban  
 Cigar; Extension) .....D  
 Richard Stephan Co. (Cloth) E  
**N. J.—Newark**  
 National Saw Co. (Curriers';  
 Band Saw; Butchers'  
 Saw; Doctors'; Hack Saw;  
 Scroll Saw; Wood Saw) B  
 Ohl & Co., G. A. (Metal  
 Shear) .....B  
**N. Y.—Amsterdam**  
 Breedons' Son, Wm. (Burr) B  
**N. Y.—Brooklyn**  
 Mack & Winkle, 172 Skill-  
 man Av. (Butchers' Saw) F  
 Oldham & Sons Inc. Jos-  
 hua (Steel Stone Saw) .D  
**N. Y.—Buffalo**  
 Diamond Saw & Stamp'g  
 Wks. (Butchers' Saw; Hack  
 Saw) .....D  
 Niagara Machine-Tool Wks.  
 (Metal Shear) .....A  
 White Co., L. & I. J.  
 (Shear) .....A  
**New York City**  
 American Wood Working  
 Mach. Co. (Band Saw) AAAA  
 Chatillon & Sons, J., 85  
 Cliff (Butchers' Saw) .A  
 Jennings & Co., C. E., 101  
 Reade (Scroll Saw; Hack  
 Saw; Wood Saw).....B  
 Loyd & Co., Chas., 558  
 Water (Metal Shear)...B  
**OHIO—Cincinnati**  
 Cincinnati Punch & Shear  
 Co. (Metal Shear).....D  
 Fay & Egan Co., J. A.  
 (Band Saw) .....AAAA  
**OHIO—Leetonia**  
 Crescent Machine Co. (Band  
 Saw) .....D  
**OHIO—Youngstown**  
 Sennet Co., G. B. (Metal  
 Shear) .....B  
**PA.—Beaver Falls**  
 Emerson, Smith Co. (Ltd.)

**BLADES (Con.)**

(Band Saw; Scroll Saw; Saw) .....A  
**PA.—Philadelphia**  
 Disston & Sons, Hy. (Band Saw; Curriers' Saw; Doctor's; Hack Saw; Gin Roller; Metal Shear; Scroll Saw; Wood Saw) .....AAAA  
**Horn & Bro., Wm. H. (Curriers')** .....B  
**PA.—Pittsburg**  
 American Steel Hoop Co. Steel Stone; Plain; Corrd Saw) .....D  
 Jones & Laughlin Steel Co. (Steel Stone Saw).....AAAA  
 Heppenstall Forge & Knife Co. (Gin Roller) .....B  
 Pittsburg Steel Co. (Steel Stone Saw) .....AAAA  
**VT.—Bennington**  
 Cooper, Charles (Burr)...B  
**WIS.—Racine**  
 Freeman & Sons Mfg. Co., S. (Saw) .....A

**BLANKETS**

See Bedding

**BLANKETS HORSE**

**COL.—Denver**  
 Denver Tent & Awning Co.C  
**ILL.—Chicago**  
 Johnson Co., J. W. ....B  
**KY.—Louisville**  
 Louisville Girth & Blanket Mills (Saddle) .....D  
**MASS.—Hampden**  
 Kenworthy, Jno. ....X  
**MASS.—Holyoke**  
**MO.—St. Louis**  
 Zittlosen Mfg. Co. (Horse) B  
 Springfield Blanket Co...B  
**N. H.—Troy**  
 Troy Blanket Mills .....B  
**N. J.—Burlington**  
 Birch, Jas. H. ....AA  
**N. J.—Newark**  
 Peters Harness & Saddlery Co. ....C  
**N. Y.—Candor**  
 Candor Blanket Co. ....C  
**N. Y.—Ossayuna**  
 Alexander Blanket Co. ...D  
**New York City**  
 Chase & Co., L. C. (Com.). AA  
 Smith, Worthington Co., 40 Warren .....AA  
**N. Y.—Oriskany**  
 Waterbury & Sons Co., H. A

**OHIO—Cincinnati**

Columbia Mfg. & Supply Co. X  
 Engelke Saddlery Co. ....C  
**OHIO—Tiffin**  
 Tiffin Woolen Mills ....B  
**PA.—Philadelphia**  
 Ayres & Sons, Wm. ....AA  
 Erskine, Alexander .....B  
 Stafford & Co. ....C  
**WIS.—Burlington**  
 Burlington Blanket Co. (Lined, Duck Stable; Cattle; Saddle) .....A  
**WIS.—Fond du Lac**  
 Fond du Lac Awning & Tent Co. (Stable) .....B

**BLANKS**

**CONN.—Hartford**  
 Billings & Spencer Co. (Thumb Nut; Screw; Snap Gauge) .....A  
**CONN.—Terryville**  
 Eagle Lock Co. (Key).....AAA  
**CONN.—Torrington**  
 Coe Brass Mfg. (Cartridge) AAAA  
**CONN.—Waterbury**  
 Rogers & Hamilton (Spoon & Fork) .....AAAA  
**ILL.—Chicago**  
 Baker & Vawter Co. (Mani-

**BLANKS (Con.)**

fold Shipping; Order) .AA  
 Whitman & Barnes Mfg. Co., West Pullman (Thumb; Nut;; Screw)...AAAA  
**IND.—Alexandria**  
 Lippincott Glass Co. (Lead Glass) .....A  
**IND.—Madison**  
 Ohio Valley Shell & Pearl Co. (Button) .....E  
**IOWA—Fort Madison**  
 Fort Madison Button Co. (Button) .....B  
**MASS.—Boston**  
 Little, Brown & Co. (Law) AA  
**MASS.—Holyoke**  
 Franklin Paper Co. (Lithograph) .....A  
 Hampden Glazed Paper & Card Co. (Lithograph; Railroad) .....A  
 Whitmore Mfg. Co. (Lithograph; Railroad) .....A  
**MASS.—Springfield**  
 Holyoke Card & Paper Co. (Lithograph; Railroad).A  
 N. E. Card & Paper Co. (Lithograph) .....A  
**MICH.—Grand Rapids**  
 Barlow Bros. (Manifold Shipping) .....B  
**N. Y.—Brooklyn**  
 Bohannon, Wilson (Key)...C  
**New York City**  
 Baker, Voorhis & Co. (Law) A  
 Williams & Co., J. H., 9 Richards (Thumb; Nut; Screw) .....AAA  
**N. Y.—Rochester**  
 Sargent & Greenleaf Co. (Key) .....AA  
**OHIO—Bellaire**  
 Rodefer, T. A. (Decorators' Opal Glass) .....A  
**OHIO—Cincinnati**  
 Clark Co., Robt. (Law)...B  
**OHIO—Columbus**  
 Case Mfg. Co. (Gear)...A  
**OHIO—Hamilton**  
 Hamilton Autographic Register Co. (Manifold Shipping; Manifold Order)..B  
**PA.—Eddystone**  
 Tindell Morris Co. (Gear)..AA  
**PA.—Lancaster**  
 Penna. Iron Co. (Thumb; Nut; Screw) .....A  
**PA.—Nazareth**  
 Nazareth Fdry. & Mach. Co. (Gear) .....B  
**PA.—Philadelphia**  
 Keystone Drop Forge Wks., 19th & Clearfield (Thumb; Nut; Screw) .....B  
**R. I.—Pawtucket**  
 Rhode Island Cardboard Co. (Lithograph; Railroad).A  
**R. I.—Providence**  
 New England Butt. Co. (Key) .....AA  
 Wall & Co., A. T. (Jewelers' Round; Square) .....C

**BLEACH**

**MASS.—Lynn**  
 Hadley Cement Co. (Sole).B  
**N. Y.—Albany**  
 Albany Chemical Co. (Laundry) .....A

**BLEACHERS**

See Machinery

**MASS.—Holyoke**  
 Holyoke Machine Co. (Rotary) .....AA  
**MASS.—Lawrence**  
 Horne & Sons Co., J. H. (Rotary) .....A  
**MASS.—Lowell**  
 Lowell Machine Shop (Rotary) .....AAAA  
**New York City**  
 United States Finishing Co., 320 Broadway (Cotton Fabric) .....AAAA

**BLEACHERS (Con.)**  
**P.A.—Schuylkill Haven**  
 Rowland, Saml. (Knit  
 Goods) .....D

## BLEACHES

See Powder; Bleaching

## BLENDERS

**New York City**  
 Bradley & Smith (Paint)  
 AA  
 Hanlon & Goodman (Paint)  
 A

## BLENOL

**OHIO—Cincinnati**  
 Merrill Chemical Co., Wm.  
 S. ....AAA

## BLINDS

See Saddlery & Harness; also  
 Woodwork.

## BLOATERS

See Fish

## BLOCK BRAKE

See Hardware; Carriage

## BLOCKERS

See also Machinery

**OHIO—Akron**  
 Talpin, Rice & Co. (Clay).B  
 Webster, Camp & Lane  
 Mach. Co. (Clay) ..AAAA

## BLOCKING

**CONN.—South Norwalk**  
 Le Count, Wm. G. (Ad-  
 justable) .....D  
**New York City**  
 Sheridan, T. W. & C. B.  
 (Bookbinders' Presses).A  
**P.A.—Harrisburg**  
 Hickok Mfg. Co., W. O.  
 (Bookbinders' Presses)AA

## BLOCKS

See Brick; Asbestos, etc.

**CAL.—San Francisco**  
 Jackson Machine Works,  
 Byron (Wooden Hoisting)  
 A  
 Union Iron Wks., 222 Mar-  
 ket (Differential Chain)  
 AAAA

**CONN.—Derby**  
 Shelton Co. (Bronze Hoist-  
 ing) .....A

**CONN.—Hartford**  
 Pratt & Whitney Co.  
 (Die) .....AAAA

**CONN.—Meriden**  
 Runge Mfg. Co. (Joiners'  
 Bench) .....X

**CONN.—Middletown**  
 Wilcox, Crittenden & Co.  
 (Yacht; Chain Hoisting;  
 Deck; Snatch; Pulley).A

**CONN.—New Britain**  
 Brady, T. H. (Pulley for  
 Electric Light Poles)...C

**CONN.—New Haven**  
 Dann Bros. & Co. (Carriage;  
 Wagon Head).....B

**CONN.—Plainville**  
 Hills, Edwin (I. & S. Pul-  
 ley) .....A

**CONN.—Stamford**  
 Yale & Towne Mfg. Co.  
 (Iron Hoisting)....AAAA

**CONN.—Torrington**  
 Union Hardware Co.  
 (Tackle; Wooden Hoist-  
 ing) .....A

**D. C.—Washington**  
 Washington Asphalt Block  
 & Tile Co., S. Capital &  
 R., S. E. (Asphalt)....A

## BLOCKS (Con.)

**ILL.—Chicago**  
 Allis-Chalmers Co., N. Y.  
 Life Bldg. (Pillow)AAAA  
 Barrett Mfg. Co., Mer-  
 chants Loan & Trust  
 Bldg. (Asphalt) ..AAAA  
 Borden & Selleck Co., 48  
 Lake (Pillow) .....B  
 Born Packers Supply Co.,  
 309 W. Van Buren (Meat  
 Chopping) .....F  
 Caldwell & Son Co., H. W.,  
 Western Av. & 17th (Pil-  
 low) .....AA  
 Chicago Wheel & Mfg. Co.  
 (Leveling) .....C  
 Channon Co., H., Market &  
 Rand (Pulley) .....AA  
 Hoisting & Conveying Ma-  
 chinery Co. (Pillow)...H  
 Jones Foundry & Machine  
 Co., 143 W. North Av.  
 (Pillow) .....C  
 Klein & Son, Mathias, 87  
 W. Van Buren (Steel  
 Tackle; Pulley for Elec-  
 tric Light Poles) .....A  
 Link Belt Machy. Co. (Pil-  
 low) .....AAA  
 Macomber & Whyte Rope  
 Co., 19 S. Canal (Wire  
 Rope; Steel) .....E  
 Pioneer Fire Proofing Co.,  
 204 Dearborn (Hollow  
 Building) .....A  
 Plamondon Mfg. Co., 57 S.  
 Clinton (Pillow) .....A  
 Webster Mfg. Co. (Pillow)  
 AA

Wolff, Sayer & Heller (Meat  
 Chopping) .....AA

**ILL.—Downer's Grove**  
 Dicke Tool Co. (Chain Hoist-  
 ing; Pulley; Steel Hoist-  
 ing) .....D

**ILL.—Effingham**  
 Boos & Co., John (Artificial  
 Flower; Meat) .....D

**ILL.—Joliet**  
 Bates Machine Co. (Pillow)  
 A

**ILL.—Sycamore**  
 Patton Co., F. C. (Swage).A

**IND.—Brazil**  
 Indiana Paving Brick &  
 Block Co. (Hollow Build-  
 ing) .....F

**IND.—Mishawaka**  
 Dodge Mfg. Co. (Pillow)  
 AAAA

**IND.—Terre Haute**  
 Terre Haute Brick & Pipe  
 Co. (Vitrified Paving)...A

**IND.—Wabash**  
 Underwood Mfg. Co., H. C.  
 (Alphabet) .....E

**IOWA—Mason City**  
 Mason City Brick & Tile Co.  
 (Hollow Building) ....C

**KANS.—Leavenworth**  
 Great Western Mfg. Co.  
 (Pillow) .....A

**MAINE—Danforth**  
 Butterfield, Jas. K. (Last)  
 D

**MAINE—Houlton**  
 Gilpatrick, Ora (Last)....  
 AAAA

**MAINE—Orland**  
 Valentine & Soper (Last) .E

**MAINE—Portland**  
 Laughlin & Son, Thos.  
 (Chain; Iron; Wooden  
 Hoisting) .....B

**MD.—Baltimore**  
 Donohue & Co., Jno. T.  
 (Iron; Steel; Pulley)...C

**MD.—Baltimore**  
 Poole Engineering & Machy.  
 Co. (Pillow) .....AA

**MD.—Cumberland**  
 Gardner Bros. (Furnace)...B

**MASS.—Boston**  
 Boston & Lockport Block  
 Co., 100 Commercial  
 (Chain Hoisting; Cutting;  
 Deck; Snatch; Wood;  
 Differential Chain; Pul-  
 ley; Tackle; Steel; Iron  
 Hoisting; Old Derrick)...B

**Boston Belting Co. (Rubber;  
 Rubber Hat) .....AAAA**

**Clapp Rubber Co., E. H.**



**BLOCKS (Con.)**

(Rubber) .....A  
 Golding & Co., 177 Fort Hill Sq. (Stereotype)...B  
 Harvey, H. H., 608 Atlantic Av. (Differential Chain; Iron Hoisting)...B  
 Merriman Bros., 162 Commercial (Chain Hoisting; Deck; Snatch; Tackle; Wire Rope).....D  
 Seelye Mfg. Co. (Die)....C  
**MASS.—Fitchburg**  
 Putnam Machine Co. (Mandrel) .....A  
**MASS.—Greenfield**  
 Wells Bros. & Co. (Swage) .....A  
 Willey & Russell Mfg. Co. (Swage; Leveling) ...AA  
**MASS.—Leominster**  
 Whitney-Reed Chair Co. (Toy; Building) ..AAAA  
**MASS.—Lowell**  
 Cragin & Co., F. W. (Shoe Mrs.; Butchers').....F  
**MASS.—Pittsfield**  
 Jones & Sons Co., E. D. (Pillow) .....B  
**MASS.—Somerset**  
 Somerset Enamel Brick Co. (Cupola) .....D  
**MASS.—Springfield**  
 Bradley Co., Milton (Toy; Alphabet) .....A  
 Bullock & Co., O. W. (Jewelers') .....A  
**MASS.—Taunton**  
 Union Stove Lining Co. (Jewelers') .....C  
**MASS.—Worcester**  
 Kidder, R. E., 2 Hermon (Cutting) .....E  
**MICH.—Bay City**  
 Michigan Pipe Co. (Creosoted Wood Paving) ..AA  
**MICH.—Detroit**  
 Buhl Malleable Co., Wright & Adair (Tackle) .....A  
 Edwards & Co., H. D. (Iron and Steel Pulley) ....AA  
 Nat'l Fulton Brass Mfg. Co., 28 Brush (Sure Grip Steel; Tackle) .....AA  
 Rousseau Mfg. Co., F. X., 564 Porter (Tackle) ...F  
**MICH.—Northville**  
 Dubuar Mfg. Co., J. B. (Wooden Hoisting).....X  
**MICH.—Saginaw**  
 Morley Bros. (Log Loading) .....AA  
 Wickes Bros. (Pillow) .AAA  
**MO.—St. Louis**  
 Brecht Butchers' Sup. Co., G. V. (Meat Chopping)...AAA  
 Leachen & Sons Rope Co., A. (Steel; Chain Hoisting; Deck; Snatch; Desk; Steel Hoisting; Tackle; Wire Rope) .....AAA  
 Medart Patent Pulley Co. (Pillow) .....AAA  
 Plenger & Henger Mfg. Co. (Swage) .....A  
**N. J.—Jersey City**  
 Williams & Son, E. A. (Sheet Metal Soldering)...AA  
**N. J.—Harrison**  
 Hyatt Roller Bearing Co. (Pillow) .....D  
**N. J.—Newark**  
 Newark Hat Block & Machine Co. (Hat) .....E  
**N. J.—Peapack**  
 Ludlow Bros. (Wheel Hub) .....E  
**N. J.—Trenton**  
 Trenton Rubber Mfg. Co. (Rubber; Prop.).....A  
**N. J.—Woodbridge**  
 Valentine & Bro., M. D. (Blast Furnace) .....AA  
**N. Y.—Albany**  
 Dederick's Sons, P. K. (Chain Hoisting; Iron Hoisting) .....AA  
 Embossing Co. (Alphabet)B  
**N. Y.—Auburn**  
 Eccles, Richard (Carriage; Wagon Head) .....A

**BLOCKS (Con.)**

**N. Y.—Buffalo**  
 Buffalo Dental Mfg. Co. (Sheet Metal Soldering) .B  
 Buffalo Last Wks. (Boot; Shoe Pasting) .....B  
 Contractors' Plant Mfg. Co., 129 Erie (Sheave; Chain Hoisting; Iron Hoisting; Wood; Pulley) .....B  
 Howard Iron Wks. (Bookbinders' Iron Bench) ...A  
 Noye Mfg. Co., 50 Lakewood Av. (Pillow) .....F  
**N. Y.—Cobleskill**  
 Harder Mfg. Co. (Meat Chopping) .....C  
**N. Y.—Cohoes**  
 Cohoes Iron Foundry & Machine Co. (Differential Chain) .....A  
**N. Y.—Jamestown**  
 Am. Mfg. Concern (Toy A. B. C.) .....A  
**N. Y.—Kreischerville**  
 Kreischer Brick Mfg. Co. (Fire Clay) .....B  
**N. Y.—Lockport**  
 Western Brock Co. (Deck; Snatch; Dock; Pulley; Wire Rope) .....B  
**N. Y.—Long Island City**  
 North American Metaline Co. (Tackle) .....D  
 Steubner, G. L. (Chain Hoisting; Wire Rope; Iron Hoisting) .....C  
**New York City**  
 American News Co. (Building) .....AAAA  
 American Type Founders' Co. (Stereotype) ..AAAA  
 American Wood Working Mach. Co. ....AAAA  
 Ashwell, Henry A., 536 W. B'way (Hat) .....F  
 Bacon, Earle C. (Wire Rope) .....D  
 Braddock Machine & Mfg. Co., 26 Cortlandt (Pillow) .....D  
 Brown, A. & T., 28 Cortlandt (Pillow) .....A  
 Cuming & Co., Mari A., 49 Bleecker (Hat) .....D  
 Donegan & Swift, 6 Murray (Chain) .....C  
 Drummond & Co., M. J., 192 B'way (Derrick Foot)...A  
 Eckstein, Chas. G., 249 Centre (Deck; Snatch; Chain; Hoisting) .....D  
 Empire Rubber Mfg. Co. (Prop) .....AA  
 Fairbanks Co., 416 Broome (Differential Chain) .....AAAA  
 Farmer & Son Type Foundry Co., A. D. (Stereotype) .....B  
 Goodyear Rubber Co. (Prop) .....AAAA  
 Gutta Percha & Rubber Mfg. Co. (Rubber)AAAA  
 Hastings Pavement Co. (Asphalt Paving) .....AA  
 Hoe & Co., R. (Stereotype) .....AAAA  
 Horsman, E. D. (Building) .....C  
 Hunt Co., O. W. (Iron Hoisting; Wooden Hoisting)AA  
 Lindsay Type Foundry (Stereotype) .....B  
 McCoy Co., Jos. F., 157 Chambers (Differential Pulley; Leveling; Tackle) .....C  
 McLaughlin Bros. (Toy; Alphabet) .....AAA  
 McMullen's Sons, W. A., 153 South (Tackle; Wooden Hoisting) .....B  
 Mace & Co., L. H. (Toy; Building) .....B  
 Macomber - Whyte - Moon Co., 131 Worth (Wire Rope) .....B  
 Metal Stamping Co. (Prop) .....A  
**N. J. Foundry & Machine Co. (Differential Pulley) .....D**  
 Tiebout, W. & J., 118

**BLOCKS (Con.)**

Chambers (Deck; Snatch) B  
 Warren Chemical & Mfg. Co. (Asphalt Paving)...A  
 Yale & Towne Mfg. Co., 9 Murray (I. & S. Pulley; Chain Hoisting)...AAAA  
 N. Y.—Niagara Falls  
 Dobbie Foundry & Machine Co. (Chain Hoisting; Deck; Snatch; Derrick; Foot; Sheave; Differential Chain; Tackle; Wire Rope)...D  
 N. Y.—Poughkeepsie  
 Lane Bros. Co. (Wooden Hoisting)...A  
 N. Y.—Seneca Falls  
 Westcott-Jewell Co. (Kallido; Toy; Alphabet; Building)...D  
 N. Y.—Syracuse  
 Zimmermann, Chas. E. (Furniture Corner; Head) E  
 N. Y.—Troy  
 Adams Laundry Mach. Co. (Cupola)...B  
 McMurray Co., C. F., Centre Island (Pillow)...C  
 Ostrander Fire Brick Co. (Locomotive)...A  
**OHIO—Akron**  
 Akron Vitriified Clay Co. (Building)...B  
**OHIO—Canton**  
 Aultman Co. (Pillow)...A  
**OHIO—Cincinnati**  
 Creaghead Engineering Co. 313 Walnut (Pillow; Pulley)...D  
 Randall & Co. (Saddlers' Collar; Saddlers' Cutting) B  
 Tatum Co., Samuel C. (Pillow)...B  
**OHIO—Cleveland**  
 Bartlett & Snow Co., French near Columbus (Tackle) B  
 Burr Mfg. Co. (Steel Tackle; Pulley for Electric Light Poles)...D  
 Central Builders Supply Co., The (Self-Locking Tackle; Concrete Hollow Building) C  
 Chisholm & Moore Mfg. Co., cor. Lake & Kirkland (Chain Hoisting; Differential Chain; Pulley; Iron Hoisting)...AA  
 Cleveland Block Co., 163 River (Malleable Iron; Steel; Tackle; Wooden Hoisting; Iron)...B  
 Dunn, Jas. P. (Wooden Hoisting)...H  
 Dyson & Sons, Jos. (Die)...A  
 Hartz & Co., Henry V. (Tackle)...C  
 Van Dorn Iron Wks. Co. (Horse)...AA  
**OHIO—Columbus**  
 Case Mfg. Co. (Iron Hoisting)...A  
 Jeffrey Mfg. Co. (Pillow) AAAA  
**OHIO—Cuyahoga Falls**  
 Falls Rivet & Machine Co. (Pillow)...C  
**OHIO—Dayton**  
 Fletcher Mfg. Co. (Pulley for Electric Light Poles) F  
**OHIO—Defiance**  
 Defiance Machine Wks. (Pillow)...AAA  
**OHIO—Haydenville**  
 Haydenville Co. (Paving)...A  
**OHIO—Logan**  
 Hocking Clay Mfg. Co. (Hollow Building)...B  
**OHIO—Magnolia**  
 Greer Beatty Clay Co. (Hollow Building)...C  
**OHIO—Mineral City**  
 Markley, Geo. J. (Hollow Building)...F  
**OHIO—Piqua**  
 Piqua Handle & Mfg. Co. (Radiator Brush; Brush; Floor Broom)...A

**BLOCKS (Con.)**

**OHIO—Ravenna**  
 Byers, John F. (Wood Hoisting)...B  
**OHIO—Waynesburg**  
 Whiteacre Fire Proofing Co. (Hollow Building)...C  
**OHIO—West Lafayette**  
 West Lafayette Mfg. Co. (Alphabet)...E  
**OHIO—Youngstown**  
 Sennett Co., Geo. B. (Die) A  
**PA.—Aliquippa**  
 Vulcan Crucible Steel Co. (Die)...B  
**PA.—Allegheny**  
 Pittsburg Clay Pot Co. (Glass-melting Tank)...AA  
**PA.—Chambersburg**  
 Wolf Co. (Pillow)...A  
 Woods' Sons, T. B. (Pillow) B  
**PA.—Corry**  
 Mahle Boring Machine Co. (Broom; Brush)...B  
**PA.—Eddystone**  
 Tindel-Morris Co. (Die)...A  
**PA.—Erie**  
 Standard Saw Mill Machinery Co. (Carriage; Wagon Head)...A  
**PA.—Harrisburg**  
 Hickok Mfg. Co. (Bench; Iron Bench; Bookbinders) AA  
**PA.—KANE**  
 Holgate Bros. Co. (White-wash; Broom; Brush)...C  
**PA.—Mechanicsburg**  
 Wilcox Mfg. Co., D. (Carriage; Wagon Head)...A  
**PA.—Nazareth**  
 Nazareth Foundry & Machine Co. (Pillow)...B  
**PA.—New Bethlehem**  
 Canton Hollow Brick Co. (The) (Plain; Rock-Faced Hollow Building)...C  
**PA.—Philadelphia**  
 Abrasive Material Co. (Emery Grinding)...A  
 Borgner, Cyrus (Furnace) B  
 Oresson Co., Geo. V., 18th & Allegheny Av. (Pillow) AA  
 Harrington Son & Co., Edwin 17th & Callowhill (Chain Hoisting; Iron Hoisting)...AA  
 Nittinger, Aug., Sr., 826 4th (Meat Chopping)...A  
 Olsen & Co., Tinius (Iron Hoisting)...A  
 Philadelphia Roll & Machine Co. (Die)...A  
 Sellers & Co., Wm., 1800 Hamilton (Pillow).AAAA  
**PA.—Pittsburg**  
 American Clay Mfg. Co., Keystone Bldg. (Hollow Building)...AAAA  
 American Sewer Pipe Co., 2nd Nat'l Bank Bldg. (Hollow Building).AAAA  
 Columbia Bridge Co., Park Bldg. (Pillow)...B  
 Dagus Brick Co. (The), Smith Blk (Hollow Building)...AAAA  
 Jones & Laughlin's Steel Co. (Pillow)...AAAA  
 National Fire Proofing Co., Frick Bldg. (Hollow Building)...AAAA  
 Pittsburg Pulley Co., Frick Bldg. (Pillow)...B  
 Pittsburg & Buffalo Co., Frick Bldg. (Hollow Building)...AAA  
 U. S. Fire Proofing Corp'n, 326 Tenth Av. (Hollow Building)...A  
**PA.—Reading**  
 Reading Chain Block Wks. (Differential)...X  
 Reading Crane & Hoist Wks. (Differential Pulley; Chain Hoisting; Iron Hoisting)...C  
 Penna. Fire Proofing Co. (Hollow Building)...B  
**PA.—Tamaqua**  
 Tamaqua Mfg. Co. (Pillow) B

**BLOCKS (Con.)**

**PA.**—Waynesboro  
Frick Co. (Pillow) ..AAAA  
**PA.**—Wilkesbarre  
Vulcan Iron Wks. (Pillow;  
Iron; Steel Pulley).....AAAA  
**PA.**—Williamsport  
Valley Iron Wks. (Pillow) A  
A

**R. I.**—Pawtucket  
Bliss Mfg. Co., R. (Toy;  
Building) .....AAAA  
**R. I.**—Providence  
Coleman & Sons, Walter  
(Yacht; Steel Hoisting;  
Wooden Hoisting) .....C  
Franklin Mach. Co. (Pillow)  
A

Rhode Island Tool Co.  
(Chain & Eye).....AAAA  
**R. I.**—Westerly  
Calder & Carnie (Paving) .F  
**R. I.**—Woonsocket  
Woonsocket Mach. & Press  
Co. (Pillow) .....A

**TENN.**—Memphis  
Chickasaw Iron Wks.  
(Pillow) .....A

**VT.**—Barre  
Trow & Holden (Granite  
Cutters' Working) .....B

**W. VA.**—Parkersburg  
Parkersburg Mill Co.  
(Broom; Brush) .....A

**WIS.**—Milwaukee  
Filer & Stowell Co. (Pillow)  
AAA

Winship Mfg. Co. (Butch-  
ers') .....E

**WIS.**—So. Milwaukee  
Stowell Mfg. & Fdry. Co.  
(Bucket; Deck; Lead;  
Pulley for Electric Light  
Poles; Log Loading;  
Snatch) .....A

**BLOOMS**

See Iron & Steel

**BLOTTERS**

See Pads; Blotting, also Pa-  
per.

**BLOWERS**

**CONN.**—Danbury  
Peck Mfg. Co. (Fur).....D  
**CONN.**—Hartford  
Sterling Blower & Pipe Co.  
A

**ILL.**—Chicago  
Chicago Flexible Shaft Co.  
(Pressure) .....B

Garden City Fan Co. (Pres-  
sure; Positive) .....B

**IND.**—Connersville  
Connersville Blower Co. (Ro-  
tary; Pressure) .....A

Roots Co. P. H. & F. M.  
(Blacksmiths'; Blast;  
Brazing; Cupola; Exhaust;  
Forge; Hand; Positive;  
Pressure; Rotary) ....AA

**MASS.**—Boston  
Bailey & Co., C. P. (Toy  
Rubber; Bubble) .....B

Sturtevant Co., B. F.  
(Blast; Cupola; Fan;  
Forge; Hand; Mining;  
Pressure; Electric; Rub-  
ber) .....AAA

**MASS.**—Hyde Park  
Boston Blower Co. (Forge;  
Gas; Hand; Church Or-  
gan; Electric) .....B

**MASS.**—Springfield  
Hannan & Finton .....D

**MICH.**—Detroit  
Amer. Blower Co., 1400 Rus-  
sell (Volume; Cupola;  
Fan; Forge; Laundry;  
Pressure) .....AA

**N. H.**—Exeter  
Exeter Machine Wks. (Elec-  
tric; Furnace) .....B

**N. J.**—Newark  
Backus Water Motor Co.  
(Church Organ) .....B

**N. J.**—Trenton  
De Laval Steam Turbine Co.  
X

**BLOWERS (Con.)**

**N. Y.**—Brooklyn  
Guild & Garrison, Kent Av.  
& S. 10th (Piston; Acid)B  
**N. Y.**—Buffalo  
Buffalo Dental Mfg. Co.  
(Foot; Jewelers') .....B  
Buffalo Forge Co. (Blast;  
Chain Pulley; Cupola;  
Electric; Fan; Forge;  
Hand; Mining; Pressure)  
AAA

**N. Y.**—Lansingburg  
Empire Forge Co. (Fan;  
Hand) .....F

**New York City**  
American Gas Furnace Co.  
(Blast; Forge; Positive;  
Pressure) .....A

Donegan & Swift, 6 Murray  
(Cupola) .....C

Fairbanks Co., 416 Broome  
(Hand; Power) .....AAAA

Niles - Bement - Pond Co.,  
136 Liberty .....AAAA  
Parson Mfg. Co., 320  
B'way .....C

Slotkin & Praglin, 216 Canal  
B

Sprague Electric Co. (Elec-  
tric) .....AAAA

**N. Y.**—Schenectady  
General Electric Co.  
(Electric) .....AAAA

**OHIO**—Springfield  
Foss Mfg. Co. (Fan; Hand;  
Power) .....A

**OHIO**—Toledo  
De Vilbiss Mfg. Co.  
(Powder) .....C

**PA.**—Lancaster  
Champion Blower & Forge  
Co. (Forge; Crank; Fan;  
Hand; Pressure) .....AA

Potts, David H. (Crank;  
Fan) .....D

**PA.**—Mechanicsburg  
Comstock, Geo. S. (Fan) ..C

**PA.**—Philadelphia  
Box & Co., Alfred (Chain  
Pulley) .....B

Paxton Co., J. W., 1021 N.  
Delaware Av. ....AA  
Wilbraham - Green Blower  
Co., 2526 Frankfort Av.  
(Pressure; Rotary) ....B

**PA.**—Scranton  
McClave, Brooks & Co.  
(Organ; Steam; Powder)  
A

**PA.**—South Bethlehem  
Bethlehem Foundry & Ma-  
chine Co. (Pressure) ..C

**PA.**—Wilkesbarre  
Vulcan Iron Wks. (Hand;  
Jet) .....AAAA

**R. I.**—Providence  
Davol Rubber Co. (Powder)  
AA

**WIS.**—Madison  
Northern Electric Mfg. Co.  
(Pressure) .....AAAA

**WIS.**—Milwaukee  
Bailey & Sons Co., W. (Elec-  
tric) .....X

National Blower Wks. (Pul-  
ley; Forge; Volume;  
Blast; Cupola; Fan;  
Forge; Pressure) .....A

**BLOWPIPES**

**ILL.**—Chicago  
Turner Brass Wks. (Gas-  
line) .....A

White Mfg. Co., 158 Ind ..X  
**N. Y.**—Buffalo  
Buffalo Dental Mfg. Co.  
(Brazing; Jewelers') ..AA

**OHIO**—Canton  
Sun Vapor Street Light Co.  
A

**PA.**—Philadelphia  
Bockel & Co., Wm. (Lab-  
oratory) .....A

**R. I.**—Providence  
Providence Gas Burner Co.  
(Jewelers') .....A

**BLUESTONE**

See Copper; Sulphate

**N. J.**—Chrome

**BLUESTONE (Con.)**

De Lamar's Copper Refining Co. ....AAAA  
 New York City  
 Van Houten & Ten Broeck Co. ....D  
 N. Y.—Oxford  
 Clarke Bluestone Co., F. G. A  
 PA.—Philadelphia  
 Maxwell's Sons, Jno. ....A

**BLUING**

ARK.—Fort Smith  
 Boos Mfg. Co. ....G  
 CONN.—New Haven  
 Doyle Co., Jno. T. (The) ..D  
 ILL.—Chicago  
 Landell, Jno. E., 153 Walnut D

Puhl-Webb Co., 119 W. Randolph .....C  
 Thomas Co., L. H., 220 S. Peoria (Liquid; Solid) ..C  
 IND.—South Bend  
 Russ Co. ....C  
 IOWA—Cedar Rapids  
 Shaver, Blake & Co. (Ball) D

KY.—Louisville  
 Mammoth Sky Blue Co., 144 E. Main .....F

MD.—Baltimore  
 Brady, Robinson Co., 126 South .....D  
 Crawford Co., W. H., 112 S. Gay (Indigo) .....E  
 Heller, E. W., 34 Hopkins Pl. (Ball) .....D

MASS.—Boston  
 Carter's Ink Co. (Dry; Liquid; Sheet; Laundry) A  
 Hubbard Blue Co., 72 Brighton Av. ....E

Palmer Premium Blue Co., 200 Milk .....D  
 Sawyer Crystal Blue Co., 67 Broad (Laundry; Liquid; Solid) .....C  
 Spear's Sons Co., Alden (Laundry) .....AA

MASS.—Concord Junction  
 Bluine Mfg. Co. ....B

MICH.—Detroit  
 Michigan Paste & Mfg. Co., 310 Grand River Av. ....F

MINN.—Minneapolis  
 Bertrand Mfg. Co., H., 137 N. 10th .....D

MO.—St. Louis  
 Donnell Mfg. Co., 612 S. 8th (Laundry) .....B

N. J.—Bayville  
 American Bluing Co. ....D

N. J.—Newark  
 Amer. Ultramarine & Globe Aniline Wks., (Heller & Merz Co.) Hamburg Pl. A

N. J.—Rahway  
 Harrison Mfg. Co. (Sheet) F

N. Y.—Brooklyn  
 Fischer Co., G. & L. W., 127 Harrison Av. (Ball) E

Robinson Bros., Montrose & Seneca Av. ....D

Voss, H. F., Park Av. ....D  
 Wiarda & Co., John C. (Dry) .....AA

N. Y.—Buffalo  
 Abwender, E. E., 300 Cedar (Bottle) .....C

American Bluing Co., 56 Mulberry .....D  
 Favorite Mfg. Co. (The) 1067 Niagara .....D

N. Y.—Clyde  
 Finch, Frank (Laundry) ...C

N. Y.—Cropseyville  
 Davis, Aaron (Est. of) (Laundry) .....D

N. Y.—Massena  
 Handy Package Dye Co. (Laundry) .....F

New York City  
 Adler Color & Chemical Co. (Dry; Laundry) .....A

Androvette, E. E., 250 Front (Indigo) .....D

Fischer & Co., C. H., 45 Harrison .....B

Heller & Merz Co., 22 Cliff Liquid; Solid; Ball; Laundry) .....A

**BLUING (Con.)**

Hirsh & Son, L., 368 Greenwich (Ball) .....C  
 James & Bro., D. R., 123 Maiden Lane .....AA  
 Longman & Martinez (Sheet) .....AAA  
 Miller Co., F., 349 W. 26th (Laundry) .....B  
 Reckitt & Sons (Ltd.), 80 W. Broadway .....C  
 Royal Ball Blue Co., 167 Reade (Ball) .....F  
 Tiemann & Co., D. F., 46 Duane (Enameled Leather; Indigo Wash; Dry in Bulk; Laundry; Varnish) AAA

OHIO—Cincinnati  
 E. Pearl (Laundry) ...D

OHIO—Cleveland  
 Zipp Mfg. Co., 111 Woodland Av. ....C

Woodmansee, F. A., 133 OHIO—Newark  
 Styron, Beggs & Co. (Liquid) .....A

PA.—Allegheny  
 Chamberlin & Johnson (Laundry; Liquid) ....D

PA.—Easton  
 World Refining Co. ....X

PA.—Philadelphia  
 Clawson Co. (The), 45 S. 2nd .....C

Colburn & Co., A., 110 N. 2nd .....C

Continental Mfg. Co. (Laundry) .....D

Diamond & Onyx, 317 De Lancey (Stick) .....B

Diamond, McDonnell & Co., 409 N. 4th (Indigo Stick; Laundry) .....C

Dorn Wash Blue Mfg. Co., 1038 N. 3rd .....F

Favorite Mfg. Co., 201 N. Front .....C

Thayer & Co., P. W., 23 S. Front .....B

PA.—Pittsburg  
 Swearingen Ink Co., J. C., 222 Wick .....D

TENN.—Bristol  
 Andrews Mfg. Co. ....C

Webb Mfg. Co. ....C

VA.—Richmond  
 Diamond Blue Mfg. Co. (The) .....E

WIS.—Milwaukee  
 Gallasch Co., 298 Milwaukee .....E

For Binders; Box; Bristol; Card; Egg Case; Elec; Insulation; Fibre; Leather; Manilla; Mill; Oiled; Pulp; Straw; Trunk; Press; See Paper List

For Wooden, See Lumber; For Guide, See Guide-Board.

For Wash, See Washboards & Woodenware.

CONN.—Meriden  
 Manning, Bowman & Co. (Ironing; Shirt) .....AA

CONN.—South Norwalk  
 Hoyt, Jas. L. (Cribbage) E

CONN.—Waterbury  
 Amer. Pin Co. (Cribbage; Whist) .....AA

ILL.—Chicago  
 Abbott & Co., A. H., (Artists' Mill) .....B

Belding-Hall Mfg. Co. (Ironing) .....AA

Adams & Westlake Co. (Stove) .....AAAA

Carman, John A., 274 W. Randolph (Shirt) .....E

Dietzgen Co., Eugene (Artists' Academy; Artists' Mill; Drawing) .....A

Nicol & Co. (Bulletin; Grocers') .....D

Kendtorff & Co., H., (Stove) .....D

Schomer, Henry (Skirt) ..D  
 ILL.—Decatur  
 Chambers, Bering, Quinlan Co. (Shoveling) .....A  
 Haworth & Sons Mfg. Co.

**BOARDS (Con.)**  
 (Shoveling) .....AA  
**Tait Mfg. Co., F. B.,**  
**ILL.—De Kalb**  
**De Kalb Fence Co (Steelwire**  
**Fence) .....AA**  
**ILL.—Galva**  
**Hayes Pump & Planter Co.**  
**(Shoveling) .....A**  
**ILL.—La Salle**  
**Matthiessen & Hegeler Zinc**  
**Co. (Stove) .....AAAA**  
**ILL.—Peru**  
**Peru Elec. Mfg. Co.**  
**(Tablet) .....A**  
**IND.—Bluffton**  
**Bluffton Mfg. Co. (Ironing)**  
**O**  
**IND.—Butler**  
**Butler Co. (Shoveling) ...B**  
**IND.—Fort Wayne**  
**Fort Wayne Electric Cor-**  
**poration (Electric Hanger)**  
**AAA**  
**Wayne Mfg. Co., Anthony,**  
**(Ironing; Tapestry) ....X**  
**IND.—Indianapolis**  
**Udell Wks. (Ironing; Fold-**  
**ing Lap) .....A**  
**IND.—Muncie**  
**Glasscock Bros. Mfg. Co.**  
**(Metal Bread) .....B**  
**IOWA.—Davenport**  
**Brammer Mfg. Co., H. F.,**  
**(Ironing) .....A**  
**IOWA.—Prairie City**  
**Dowden Mfg. Co. (Ltd.)**  
**(Shoveling) .....B**  
**IOWA.—Webster City**  
**Litchfield Mfg. Co. (Shovel-**  
**ing) .....A**  
**MAINE.—South Paris**  
**Paris Mfg. Co. (Ironing;**  
**Lap) .....A**  
**MASS.—Boston**  
**Carrecabe & Co., J. M.,**  
**(Leather) .....C**  
**Collins & Co., Geo. Z.,**  
**(Leather) .....C**  
**Crosby Steam Gage & Valve**  
**Co. (Gauge) .....AA**  
**Hill & Cutler (Leather) ..B**  
**Nat. Fibre Board Co.**  
**(Fibre) .....A**  
**Sewing Machine Supply Co.**  
**(Plaiting) .....B**  
**Whitcher & Co., Frank W.,**  
**(Shoe Cutting) .....A**  
**MASS.—Lowell**  
**Lowell Machine Shop**  
**(Paper Machine) ..AAAA**  
**MASS.—Springfield**  
**Bradley Co., Milton, (Back-**  
**gammon; Checker; Chess)**  
**A**  
**MASS.—Worcester**  
**Crompton & Knowles Loom**  
**Wks. (Compass) ..AAAA**  
**Hill Dryer Co. (Bread;**  
**Pastry) .....D**  
**MASS.—Winchendon**  
**Clarke & Co., Wilder P.,**  
**(Wash) .....A**  
**MICH.—Bay City**  
**Vance Box Co., E. J.,**  
**(Bread Cloth Folding;**  
**Advertising Sign) .....B**  
**MICH.—Belding**  
**Belding-Hall Mfg. Co.**  
**(Stove) .....AA**  
**MICH.—Detroit**  
**Dwight Detroit Co. (Black)**  
**A**  
**MICH.—Kalkaska**  
**Freeman Mfg. Co. (Wooden**  
**Meat) .....B**  
**MICH.—Saginaw**  
**Lufkin Rule Co. (Glass Cut-**  
**ting) .....AA**  
**Saginaw Mfg. Co. (Wash)**  
**AA**  
**MINN.—Minneapolis**  
**Northwestern Compo Board**  
**Co. (Compo) .....B**  
**N. H.—Ashland**  
**Ashland Leather Board Co.**  
**(Leather) .....D**  
**N. H.—Grasmere**  
**Excelsior Fibre Co. (Lea-**  
**ther) .....X**  
**N. H.—Lisbon**  
**Parker & Young Co. (Sound-**  
**ing) .....AA**  
**N. H.—Meredith**  
**Clarke & Co., Geo. H.,**  
**(Hosiery) .....D**

**BOARDS (Con.)**  
**N. H.—Milton**  
**Milton Leather Board Co.**  
**(Leather) .....D**  
**N. H.—Nashua**  
**Maine Mfg. Co. (Lap) ....A**  
**Fletcher & Webster Furni-**  
**ture Co. (Skirt) .....C**  
**N. H.—North Rochester**  
**Spaulding & Sons Co., J. C.,**  
**(Leather) .....AA**  
**N. J.—Bloomfield**  
**Davay & Co., E. H., (Fric-**  
**tion) .....D**  
**N. J.—Paterson**  
**Jackson & Sons, Jas.,**  
**(Compass) .....X**  
**Royle & Sons, Jno., (Com-**  
**pass) .....A**  
**N. Y.—Binghamton**  
**Wilkinson Mfg. Co. (Folding**  
**Lap) .....A**  
**N. Y.—Brookport**  
**Gleason, B. F., (Under-**  
**takers' Cooling) .....E**  
**N. Y.—Brooklyn**  
**Cooper & McKee (Knife;**  
**Meat; Pastry; Ironing;**  
**Bosom; Shirt; Stove; Lap)**  
**A**  
**Sweeney Mfg. Co., W. H.,**  
**(Stove) .....A**  
**N. Y.—Buffalo**  
**Shepard & Co., Sidney**  
**(Stove) .....AAAA**  
**N. Y.—Castleton**  
**Ingalls & Co. (Trunk; Dress;**  
**Suit Case) .....B**  
**N. Y.—Cattaraugus**  
**Oakes & Burger (Cheese**  
**Scale) .....B**  
**N. Y.—Gouverneur**  
**Van Duzen Mfg. Co. (Lap) C**  
**New York City**  
**American Stove Board Co.**  
**(Stove) .....A**  
**Devoe, F. T. & C. J. Ray-**  
**nolds Co., (Artists' Aca-**  
**demy; Artists' Mill)**  
**AAAA**  
**Friedrichs, E. H., (Artists'**  
**Academy; Mill; Drawing)**  
**A**  
**Grote & Co., F., (Orlbbage)**  
**D**  
**Homan & Co., Andrew,**  
**(Checkers; Chess) ....D**  
**Mace & Co., L. H., (Bread;**  
**Knife; Meat; Pastry;**  
**Bosom; Ironing; Shirt;**  
**Wash; Lap) .....B**  
**McLoughlin Bros. (Back-**  
**gammon; Checker; Chess)**  
**AAA**  
**Reilly Bros. (Paper-**  
**hangers') .....E**  
**Soltmann, E. G., 125 E. 42d**  
**(Compo) .....B**  
**N. Y.—Rochester**  
**American Drafting Furn. Co.**  
**(Drawing; also Parallel**  
**Rule Attachment) ....E**  
**National Casket Co. (Under-**  
**takers' Cooling) .....AAAA**  
**N. Y.—Syracuse**  
**Onondaga Nov. Co. (Bread;**  
**Ironing; Lap) .....E**  
**N. Y.—Utica**  
**Utica Electrical Mfg. &**  
**Supply Co. (Distributing;**  
**Electrical) .....X**  
**OHIO.—Cincinnati**  
**Ault Woodenware Co.**  
**(Bread; Ironing; Wash)**  
**AA**  
**Globe-Wernicke Co. (Paper**  
**Clip) .....AAAA**  
**OHIO.—Cleveland**  
**American Washboard Co.**  
**(Wash) .....A**  
**Cleveland Faucet Co.**  
**(Dairy Drain) .....AAA**  
**Lapham, Owen T., (Wash)**  
**AA**  
**OHIO.—Hamilton**  
**Black-Clawson Co. (Paper**  
**Machine) .....A**  
**OHIO.—Salem**  
**Clarke Co., W. J., (Wash)**  
**A**  
**OHIO.—Toledo**  
**Stevens, B. A., (Shuffle) A**  
**Toledo Steam Cooker Co.**  
**(Bread) .....C**  
**PA.—Erie**  
**American Mfg. & Novelty**

**BOARDS (Con.)**  
 Co. (Bosom) .....C  
**PA.—Harrisburg**  
 Hickok Mfg. Co., W. O.,  
 (Bookbinders' Cutting;  
 Plashed Tin; Pressing) .....AA  
**PA.—Philadelphia**  
 Dairyman's Supply Co.  
 (Cheese Scale) .....B  
 Pearson, Jos. T., 1815 Tay-  
 lor (Hosiery) .....AA  
 Schaum & Uhlinger (Com-  
 pass) .....AAA  
 Weber & Co., F., (Artists'  
 Academy) .....A  
**PA.—Pittsburg**  
 Armstrong Cork Co. (Cork)  
 .....AAAA  
**PA.—Union City**  
 Novelty Woodworks (Draw-  
 ing) .....B  
**R. I.—Providence**  
 Van Stone Mfg. Co. (Iron-  
 ing; Shirt) .....X  
**VT.—Burlington**  
 Crane, W. & D. G., (Cloth  
 Folding) .....A  
**VA.—Richmond**  
 Richmond Cedar Wks.  
 (Wash) .....AAAA  
**W. VA.—Ravenswood**  
 Moore, C. P., (Drawing) C  
**WIS.—Two Rivers**  
 Hamilton Mfg. Co. (Press-  
 ing) .....AA

## BOATS

See also Ships; Vessels; Can-  
 noes; Launches; Yachts,  
 etc.

**CAL.—San Francisco**  
 Union Iron Wks. (Steam)  
 .....AAAA  
**DEL.—Wilmington**  
 Drein & Son, Thos., (Life;  
 Wooden; Metallic; Row;  
 Sail; Yacht) .....B  
 Harlan & Hollingsworth Co.  
 (Steam; Ferry; Tow or  
 Tug; Torpedo) .....X  
 Pusey & Jones Co. (Tow or  
 Tug; Steam) .....AAA  
**ILL.—Chicago**  
 Willard & Co., Chas. P.,  
 (Tow or Tug) .....D  
**MAINE.—Bath**  
 Bath Iron Wks. (Ltd.)  
 (Torpedo; Steam) .....D  
 New England Co. (Steam;  
 Ferry; Tow or Tug) .....D  
**MD.—Baltimore**  
 Nilson Yacht Building Co.  
 (Yacht) .....D  
**MASS.—Boston**  
 Atlantic Wks. (Steam;  
 Ferry; Tow or Tug) AA  
 Lawley & Son, Geo., (Sail;  
 Row) .....A  
 Sheldon Co., Orin, (Row;  
 Sail; Yacht) .....D  
**MASS.—Gloucester**  
 Higgins & Gifford Boat Mfg.  
 Co. (Life; Sail; Row;  
 Seine) .....X  
**MASS.—Osterville**  
 Crosby, D., & Son (Cat) ..F  
 Crosby, Herbert F., (Cat) H  
 Crosby, Wilton, (Cat) F  
**MASS.—Westfield**  
 Crane Bros. (Folding; Linen-  
 old; Row) .....AAA  
**MICH.—Detroit**  
 Michigan Steel Boat Co.  
 (Folding) .....C  
**MICH.—Grand Rapids**  
 Wolverine Motor Wks.  
 (Steam; Stern Wheel) B  
**MICH.—Kalamazoo**  
 King Folding Canvas Boat  
 Co. (Folding Canvas) ..C  
**MICH.—Muskegon**  
 Racine Boat Mfg. Co.  
 (Automobile) .....A  
**MICH.—St. Joseph**  
 Truscott Boat Mfg. Co.  
 (Row; Sail) .....A  
**MINN.—Duluth**  
 Pearson's Boat Construction  
 Co. (Row; Sail, etc.)..B  
**MINN.—Wayzata**  
 Moore, R. C., (Row) ....E  
**MO.—St. Louis**  
 American Boat Wks.

**BOATS (Con.)**  
 (Knocked Down) .....F  
**N. J.—Camden**  
 Dialogue & Son, Jno. H.,  
 (Tug; Steam) .....AA  
**N. J.—Gloucester City**  
 Rogers Boat, Gauge &  
 Drill Wks. (Sail) .....A  
**N. J.—Bayonne**  
 Elec. Launch Co. (Electric;  
 Motor) .....A  
**N. Y.—Brooklyn**  
 Continental Iron Wks.  
 (Steam; Ferry) .....A  
 Kahnweillers Sons, David,  
 (Life; Row; Sail; Sheet  
 Metal) .....B  
**N. Y.—Canton**  
 Rushton, J. H., (Adiron-  
 dack; Hunting; Row;  
 Sail) .....F  
**N. Y.—Long Island City**  
 Lane & DeGroot Co. (Collap-  
 sible Life) .....D  
**New York City**  
 Gas Engine & Power Co.  
 (Row; Sail; Torpedo; Co-  
 tor) .....AAA  
 Smith, John T., (Life; Row;  
 Metallic; Sail; Ships') E  
 Lozier Motor Co., 1 Bway,  
 (Motor) .....D  
**N. Y.—Ogdensburg**  
 Spalding St. Lawrence Boat  
 Co. (Sail; Dingies) ....C  
**N. Y.—Port Richmond**  
 Burlee Dry Dock Co. (Tug;  
 Ferry; Etc.) .....A  
**N. Y.—Roslyn**  
 Clapham, Thos., (Sail) D  
**OHIO—Miamisburg**  
 Acme Folding Boat Co.  
 (Folding; Canvas; Pneu-  
 matic) .....B  
**OHIO—Salem**  
 Mullins, W. H., (Sheet  
 Metal; Row; Steel; Duck-  
 ing) .....A  
**OHIO—Toledo**  
 Hepburn, J. W., (Row;  
 Sail) .....X  
**PA.—Allegheny**  
 Carlin's Sons, Thos.,  
 (Derrick) .....A  
**PA.—Chester**  
 Delaware River I. S. B.  
 Engine Co. (Steam) AAA  
**PA.—Pittsburg**  
 Armstrong Cork Co. (Life)  
 .....AAAA  
 Reese & Son, James, (Tow  
 or Tug; Iron; Wooden;  
 Steel) .....AA  
**R. I.—Bristol**  
 Herreshoff Mfg. Co. (Tor-  
 pedo; Steam) .....A

## BOBBINS

**CONN.—Bridgeport**  
 Wheeler & Wilson Mfg.  
 Co. (Sewing Machine)  
 .....AAAA  
**CONN.—Danielsonville**  
 Jacobs Mfg. Co., E. H., ..B  
**CONN.—Dayville**  
 Arnold, O. S., .....F  
**CONN.—Hartford**  
 Billings & Spencer Co. (Sew-  
 ing Machine) .....AA  
 Hartford Machie Screw Co.  
 (Sewing Machine) AAAA  
**CONN.—Windham**  
 Hartson Co., L. M., (Iron;  
 Fibre Head) .....X  
**GA.—Athens**  
 Lyndon Mfg. Co. ....C  
**GA.—Macon**  
 Georgia Spool & Bobbin Mfg.  
 Co. (Spinning; Twister;  
 Slobber; Speeder; Filling;  
 Intermediate) .....C  
**ILL.—Chicago**  
 American Electric Telephone  
 Co. ....B  
**KY.—Maysville**  
 Ohio Valley Pulley Wks. B  
**MASS.—Adams**  
 Adams Bobbin & Spool Co. D  
**MASS.—Chicopee**  
 Courtney, D. S., .....B  
**MASS.—Fall River**  
 Fall River Bobbin & Shuttle  
 Co. ....AAAA  
 Fall River Foundry &  
 Machine Co. ....F

**BOBBINS (Con.)**

**MASS.**—Hopedale  
Draper & Co. ....AAAA  
**MASS.**—Lawrence  
Sprague Co., L. ....AAAA  
Weld Bobbin & Spool Co. D  
**MASS.**—Lowell  
New England Shuttle Co. X  
**MASS.**—New Bedford  
Greene & Wood .....B  
**MASS.**—Winchester  
Winchester Spool & Bobbin  
Co. ....A  
N. H.—Claremont  
McGuire, Jno. A., .....C  
N. H.—Colebrook  
Woodward, Russell M., X  
N. H.—Lisbon  
Parker & Young Co. (& in  
the rough) .....AA  
N. H.—Littleton  
Eaton, Henry A., .....C  
N. H.—Manchester  
Baldwin Co., Jas., .AAAA  
N. H.—Nashua  
Eaton Co., Isaac, .....E  
Murray, Chas. O., .....X  
N. J.—Paterson  
Atkinson & Co., J. (Silk) E  
Daggers, Jno. R., .....B  
Hall & Co. I. A., .....A  
Van Riper Mfg. Co. ....B  
N. Y.—Johnsonville  
Baker & Sons, Michael, ..D  
New York City  
Household Sewing Machine  
Co. (Sewing Machine) B  
Kruse & Murphy Mfg. Co.  
(Sewing Machine) ....D  
New Home Sewing Machine  
Co. (Sewing Machine)  
AAAA  
Singer Mfg. Co., Bway. &  
Dey (Sewing Machine)  
AAAA  
N. Y.—Utica  
Williams Co., J. H. ....A  
N. C.—Greensboro  
Sherwood Bobbin & Mfg.  
Co. ....D  
Southern Bobbin Co. ....D  
N. C.—Lincolnton  
Griggs Mfg. Co. ....E  
**OHIO**—Cleveland  
Standard Sewing Machine  
Co. (Sewing Machine)  
AAA  
White Sewing Machine Co.  
(Sewing Machine) AAAA  
**PA.**—Allentown  
Allentown Bobbin Wks.  
(Silk; Steel) .....D  
**PA.**—Carbondale  
Clover Leaf Mfg. Co. ....D  
**PA.**—Philadelphia  
Billington Co., Jos. H., 113  
Chestnut .....A  
Bradford Woodworking Co.,  
2154 N. 3d .....F  
**PA.**—Pittsburg  
Armstrong Cork Co.  
(Fishing Line) ....AAAA  
**PA.**—Weatherly  
Mack Woodworking Co., H.  
A., (Silk) .....X  
R. I.—Providence  
American Supply Co. ....AA  
Brown Bros. Co. ....B  
Fletcher Mfg. Co. ....AAAA  
Providence Enamel Co....F  
U. S. Bobbin & Shuttle Co.  
AAAA  
R. I.—South Scituate  
Potter Bros. ....E  
Wilburg Benjamin .....E  
R. I.—Woonsocket  
Colburn, Rred. S. ....X  
S. C.—Westminster  
Southern Shuttle & Bobbin  
Co. ....B  
**VT.**—Essex Junction  
Vermont Spool & Bobbin Co.  
O

**BOBS**

**CONN.**—New Britain  
Russell & Erwin Mfg. Co.  
(Plumb) .....AAAA  
Stanley Rule & Level Co.  
(Plumb) .....AAA  
**CONN.**—New Haven  
Sargent & Co. (Plumb)....  
AAAA

**BOBS (Con.)**

**CONN.**—Southington  
Peck, Stow & Wilcox Co.  
(Plumb) .....AAAA  
**MASS.**—Athol  
Starrett Co., L. S. (Plumb)  
A  
**MASS.**—Boston  
Welch & Co., T. F.  
(Plumb) .....D  
**MASS.**—Chicopee Falls  
Stevens Arms & Tool Co., J.  
(Plumb) .....AAA  
**MO.**—St. Louis  
Crescent Novelty Mfg. Co.  
(Plumb) .....E  
Kupferle, Jno. C. (Plumb)  
AA  
N. J.—Elizabeth  
Braunsdorf-Mueller Co.  
(Plumb) .....D  
N. J.—Newark  
Bernz, Otto (Plumb) .....B  
Osborne & Co., C. S.  
(Plumb) .....B  
N. Y.—Homer  
Phoenix Hardware Mfg. Co.  
(Plumb) .....D  
New York City  
Jennings & Co., C. E., 79  
Reade (Plumb) .....B  
Keuffel & Esser Co., 127  
Fulton (Plumb) .....AA  
Seltmann, E. G., 125 E.  
42nd (Plumb for Engineers  
& Architects) .....B  
Tower & Lyon Co., 95 Cham-  
bers (Plumb; Trammel  
Points) .....B  
**OHIO**—Cincinnati  
Haven Co., Jas. L. (Plumb)  
B  
**PA.**—Philadelphia  
Disston & Sons, Henry  
(Plumb) .....AAA  
**PA.**—Reading  
Reading Hardware Co.  
(Plumb) .....AAAA  
**PA.**—Wrightsville  
Wrightsville Hardware Co.  
(Plumb) .....B  
R. I.—Providence  
Brown & Sharpe Mfg. Co.  
(Mercury; Plumb).AAAA

**BODIES**

See also Woodwork; Car-  
riage & Wagon

**CONN.**—Bridgeport  
Braitling, F.K. (Doll) ...F  
**CONN.**—Danbury  
Mallory & Sons, A. E. (Hat)  
AA  
**CONN.**—New Haven  
Dann Bros. & Co. (Carriage;  
Hearse; Wagon) .....B  
**ILL.**—Chicago  
Illinois Malleable Iron Co.  
(Water Column) ....AA  
**IND.**—La Porte  
La Porte Carriage Co. (Car-  
riage) .....A  
**MASS.**—Amesbury  
Currier & Cameron Co.  
(Carriage) .....C  
**MASS.**—Boston  
Wood Co., A. M. (Carriage)  
O  
**MICH.**—Detroit  
Wilson Carriage Co., C. R.  
(Carriage) .....D  
**MO.**—St. Louis  
Powitzki & Collins Carriage  
Woodwork Co. (Carriage)  
A  
N. H.—Concord  
Holt Bros. Mfg. Co.  
(Wagon) .....B  
**OHIO**—Cincinnati  
Cincinnati Panel Co. (Car-  
riage) .....B  
Mill Creek Wagon Co. (Car-  
riage; Wagon) .....C  
**PA.**—Philadelphia  
Knell, Francis B. (Doll) ..H  
**PA.**—Pittsburg  
U. S. Aluminum Co.  
(Aluminum) .....B

**BODKINS**

New York City

**BODKINS (Con.)**  
Hoe & Co., R. ....AAAA

## BOILERS, STEAM

See also Heaters  
See also Miscellaneous  
Next Heading

**ALA.—Birmingham**  
Hardie-Tynes Foundry & Machine Co. (Steam) ..A  
**ALA.—Montgomery**  
Hartley Boiler Wks. (Steam) .....C  
**CAL.—Los Angeles**  
Baker Iron Wks., 950 Buena Vista (Steam) .....A  
Fulton Engine Wks., Cheves cor. Oneviolo (Steam) ..B  
Llewellyn Iron Wks., E. R. R., cor. N. Main (Steam) ..A  
Thomson & Boyle, 310 Requena (Steam) .....C  
**CAL.—Oakland**  
Oakland Iron Wks. (Steam) ..B  
**CAL.—Sacramento**  
Root, Neilson & Co. (Steam) ..B  
**CAL.—San Francisco**  
California Boiler Wks., 125 Fremont (Steam) .....C  
Dundon, P. F., 223 Folsom (Steam) .....B  
Eureka Boiler Wks., 113 Mission (Steam) .....C  
Fulton Engineering & Ship Bldg. Wks., 15 1st (Steam) .....AA  
Moynihan, Tim. J., 311 Mission (Steam) .....B  
Risdon Iron & Locomotive Wks., Stewart & Folsom (Water Tube) .....AAA  
San Francisco Iron Wks., 223 Folsom (Steam) .....B  
Union Iron Wks., 224 Market (Portable on Wheels; Steam; Water Tube) ....AAAA  
**CAL.—Stockton**  
Stockton Iron Wks. (Steam) ..A  
**COL.—Denver**  
Davis Iron Wks., F. M., 8th & Larimer (Steam) ...A  
Denver Boiler & Sheet Iron Wks., 35th & Wazee (Steam) .....C  
Denver Engineering Wks., 30th & Blake (Steam) ..A  
Stearns-Rogers Mfg. Co. (Steam) .....A  
Young, John, 2445 Blake (Steam) .....B  
**CONN.—Bridgeport**  
Skidmore & Sons, P. H., E. Wash. Av. & Hosatonic (Steam) .....A  
**CONN.—New Haven**  
Bigelow Co., 92 River (Steam) .....B  
**CONN.—Putnam**  
Putnam Foundry & Machine Corp. (Steam) .....B  
**DEL.—Edgemore**  
Edgemore Iron Co. (Water Tube; also Galloway; Internally Fired) ....AAAA  
**DEL.—Wilmington**  
Pusey & Jones Co. (Marine; Stationary) .....AAA  
Remington Machine Co. (Water Tube) .....A  
**D. C.—Washington**  
Gray & Co., E. N., 316 Main Av. S. W. (Steam) ....C  
**FLA.—Jacksonville**  
Merrill-Stevens Engineering Co. (Steam) .....B  
**GA.—Atlanta**  
Atlanta Mach. Wks., King & Ga. R. R. (Steam) ..B  
Harrison Safety Boiler Wks., Prud. Bldg. (Steam) .....C  
**GA.—Augusta**  
Georgia Iron Wks. (Steam) ..C  
Lombard-Forsyth Boiler Co. (Iron; Steam) .....A

**BOILERS, ST'M (Con.)**  
**GA.—Columbus**  
Columbus Iron Wks. Co. (Steam) .....AA  
Golden Foundry & Machine Co. (Steam) .....A  
**GA.—Newman**  
Cole Mfg. Co., R. D. (Steam) .....A  
**GA.—Savannah**  
Kehoe & Sons, Wm. (Steam) ..A  
McDonough & Ballantyne (Steam) .....B  
Rourke & Sons, John (Steam) .....B  
**GA.—Valdosta**  
Valdosta Fdry. & Mach. Co. (Steam) .....O  
**ILL.—Chicago**  
Allis-Chalmers Co., Home Ins. Bldg. (Water Tube) ....AAAA  
McGregor, Geo. L., 246 S. Clinton (Steam) .....O  
Marine Iron Wks., Sta. A. (Steam) .....B  
Mohr & Sons, John, 32 Ill. (Steam) .....A  
National Boiler Wks., 56 Fulton (Steam) .....B  
Pfeiffer Boiler Co., Chris., 70 Mich. (Steam) ....B  
Standard Safety Boiler Co., Marquette Bldg. (Water Tube) .....O  
Sullivan Mach. Co., 185 Adams (Steam) ....AAA  
Willard & Co., Chas. P., 15 N. Canal (Water Tube) ..O  
**ILL.—Galesburg**  
Frost Mfg. Co. (Steam) ..A  
**ILL.—Kewanee**  
Kewanee Boiler Co. (Locomotive; Fire Box) ..AAA  
**ILL.—Quincy**  
Michelman Boiler Co. (Steam) .....O  
**ILL.—Springfield**  
Drake, Wm. (Steam) ....O  
Springfield Boiler & Mfg. Co. (Steam) .....A  
**IND.—Anderson**  
Anderson Fdy. & Mach. Wks. (Steam) .....B  
Wooley Fdry. & Mach. Wks. (Steam) .....B  
**IND.—Evansville**  
Hellman Machine Wks., 1st & Pine (Steam) .....B  
**IND.—Ft. Wayne**  
Ft. Wayne Fdry. & Mach. Co. (Steam) .....O  
**IND.—Indianapolis**  
Atlas Engine Wks., 19th & Martindale Av. (Flue; Internally Fired; Water Tube) .....AAAA  
Chandler & Taylor Co., 740 W. Wash. Av. (Tubular; Upright; Firebox; Portable on Wheels) .....A  
**IND.—Jeffersonville**  
Tweedy Shipyard & Fdry. Co. (Steam) .....C  
**IND.—La Porte**  
Rumley Co., M. (Steam) ..AAAA  
**IND.—New Albany**  
Hegewald Co., Chas. (Steam) .....B  
**IND.—Richmond**  
Gaer, Scott & Co. (Steam) ..AAA  
Richmond Mach. Wks. (Steam) .....A  
Robinson & Co. ((Steam) ..A  
**IOWA—Burlington**  
Murray Iron Wks. Co. (Steam) .....A  
**IOWA—Des Moines**  
Beckman Bros. (Steam) ..O  
Des Moines Mfg. & Supply Co. (Steam) .....A  
**IOWA—Dubuque**  
Iowa Iron Wks. (Ltd.), 9th & Wash. (Steam) .....B  
Morrison Bros. (Steam) ....B  
**IOWA—Marshalltown**  
Lennox Machine Co. (Steam) .....O  
Thorthill Co., A. E. (Steam) .....O



**BOILERS, ST'M (Con.)**

**IOWA**—Ottumwa  
Fair-Williams Bridge &  
Mfg. Co. (Steam) .....B  
**IOWA**—Sioux City  
Sioux City Boiler & Sheet  
Iron Wks. (Tubular;  
Steam) .....A  
**KANS.**—Enterprise  
Ehram & Sons, J. B.  
(Steam) .....C  
**KY.**—Louisville  
Caldwell Co., W. E., 200  
E. Branders (Steam)....A  
Gelger, Fiske & Koop Co.,  
725 E. Main (Steam)....C  
Grainger & Co., 131 10th  
(Steam) .....C  
Vogt-Mach. Co., Hy., 10th &  
Ormsby Av. (Steam)....AA  
**LA.**—New Orleans  
Payne & Joubert, 423 Ca-  
rondelet (Steam) .....C  
**MAINE**—Bangor  
Union Iron Wks. (Steam).A  
**MAINE**—Bath  
Bath Iron Wks. (Steam).AA  
**MAINE**—Hallowell  
Fullers' Sons, Geo. (Steam)  
C  
**MAINE**—Portland  
Portland Co., 53 Fore (Ma-  
rine & Stationary) ....AA  
**MD.**—Baltimore  
Baltimore Marine Railway  
Mach. & Boiler Wks.,  
Phillips & Point (Steam)  
A  
Baltimore Ship Building &  
Dry Dock Co., Locust  
Point (Marine) .....B  
Bassahor & Co., Thos. C., 28  
Light (Steam) .....A  
Codd & Co., E. J., 700 S.  
Caroline (Steam Engine)  
A  
Spedden Ship Bldg. Co., 915  
S. B'way (Marine) .....C  
**MD.**—Cumberland  
McKay, Merwin (Steam)....A  
**MASS.**—Boston  
Atlantic Works, 70 Border,  
E. Boston (Steam)....AA  
Cunningham Iron Co., B. &  
Fargo (Steam) .....C  
Hodge Boiler Works, Sum-  
ner & North Ferry, E.  
Boston (Steam) .....B  
**MASS.**—Cambridge  
Kendall & Sons, Edw., 168  
Main (Steam) .....AA  
Riverside Boiler Wks. 50  
Howard (Steam) .....C  
Roberts Iron Wks. Co., 180  
Main (Steam) .....B  
**MASS.**—Fitchburg  
Fitchburg Steam Engine Co.  
(Steam) .....B  
**MASS.**—Florence  
Norwood Engineering Co.  
(Steam) .....C  
**MASS.**—Lowell  
Scannell & Wholey 26 Tan-  
ner (Steam) .....C  
**MASS.**—New Bedford  
New Bedford Boiler &  
Mach. Co. (Steam) ...C  
**MASS.**—Quincy  
Fore River Ship & Eng. Co.  
(Marine; Water; Tube  
&c.) .....AAAA  
**MASS.**—Taunton  
Taunton Locomotive Mfg.  
Co. (Steam) .....AA  
**MASS.**—Worcester  
Allen & Sons Co., Wm., 63  
Green (Steam) .....C  
Stewart Boiler Wks. Albany  
& Muskego (Steam) ..B  
**MICH.**—Battle Creek  
Brennan & Co., John  
(Steam) .....A  
**MICH.**—Bay City  
Bay City Boiler Co. (Steam)  
C  
Industrial Wks. (Steam) AA  
McKimmion Mfg. Co.  
(Steam) .....C  
Marine Iron Co. (Steam)....C  
**MICH.**—Cadillac  
Hayes, Wm (Steam) ....C  
**MICH.**—Detroit  
Brennan & Co., John, 24th  
& M. C. R. R. (Steam)....A  
Detroit Screw Wks. 346

**BOILERS, ST'M (Con.)**

Franklin (Water Tube)...A  
Pratt, Stephen, Beecher, Av.  
& M. C. R. R. (Steam) A  
**MICH.**—Grand Rapids  
Brobst, Hey. Canal & Cold-  
brook (Steam) .....B  
**MICH.**—Hancock  
Portage Lake Boiler Wks.  
(Steam) .....B  
**MICH.**—Kalamazoo  
Clark Engine & Boiler Co.,  
Geo., 505 N. Church  
(Steam) .....C  
Dutton Co., C. H. (Steam) B  
**MICH.**—Lansing  
Lansing Boiler & Engine Co.  
(Steam) .....B  
**MICH.**—Manistee  
Manistee Iron Wks. Co.  
(Steam) .....B  
**MICH.**—Fort Huron  
Jenks Ship Bldg. Co.  
(Marine & Stationary)...A  
**MICH.**—Saginaw  
Bartlett & Co., A. F.  
(Steam) .....A  
Jackson & Church Co.  
(Water Tube) .....A  
Wickers Bros. (Water Tube)  
AA  
**MINN.**—Minneapolis  
Bros. Boiler & Mfg. Co.,  
Wm., Nicollet Island  
(Steam) .....B  
**MISS.**—Corinth  
Adams Mach. Co., W. T.,  
(Steam) .....AA  
**MISS.**—Meridian  
Martin Mach. Wks.  
(Steam) .....C  
**MO.**—St. Joseph  
Augustine, T. C., 611 Patee  
(Steam) .....AA  
**MO.**—St. Louis  
O'Brien Boiler Wks. Co.,  
John, 11th & Mullanpky  
(Water Tube) .....AA  
Stewart Boiler Co., 23d &  
Papin (Steam) .....B  
Wangler Boiler & Sheet Iron  
Wks. Co., Jos. F., 1547 N.  
9th (Steam) .....A  
**MO.**—Springfield  
Crescent Iron Wks.  
(Steam) .....A  
**MONT.**—Anaconda  
Anaconda Copper Mining Co.  
(Steam) .....AAAA  
**MONT.**—Butte  
Western Iron Wks. (Inc.)  
(Steam) .....B  
**N. H.**—Exeter  
Exeter Mach. Wks.  
(Steam) .....B  
**N. J.**—Burlington  
Stuart & Peterson Co.,  
(Steam Jacketed; Plain or  
Porcelain) .....A  
**N. J.**—Elizabeth  
Moore & Sons Co., Sam'l L.,  
(Steam) .....AA  
**N. J.**—Gloucester City  
Rogers Boat, Gauge &  
Drill Wks., John M.  
(Steam) .....B  
**N. J.**—Hoboken  
Fletcher Co., W. & A., 12th  
& Hudson (Marine &c.)..A  
**N. J.**—Jersey City  
Brown & Miller ft. Morris  
(Steam) .....A  
Smith & Sons Co., Theo.,  
(Steam) .....A  
**N. J.**—Newark  
Hewes & Phillips Iron Wks.  
Orange & Ogden (Steam)  
A  
Lambert Hoisting Eng. Co.,  
117 Polnier (Steam)....C  
**N. J.**—Paterson  
Haes Mfg. Co. (Range;  
Copper) .....B  
Smith & Son, Sam'l., 120  
R. R. Av. (Steam; Loco-  
motive; Tubular) .....A  
**N. J.**—Phillipsburg  
Tippett & Wood (Steam) A  
**N. J.**—Red Bank  
Roberts Safety Water Tube  
Boiler Co. (Water Tube)  
B  
**N. J.**—Ridgefield Park  
Riverside Boiler Wks.  
(Steam) .....A

**BOILERS, ST'M (Con.)**

N. J.—Rutherford  
 Hazleton Boiler Co. (Water Tube) .....A  
 N. J.—Trenton  
 McKenzie, Duncan, Hamilton Av. & Clark (Steam) .....A  
 Thropp Sons Co., John E. (Steam) .....A  
 Thropp, Wm. R., F. State & S. Olden Av. (Steam) C  
 N. Y.—Albany  
 Skinner & Arnold Co., 205 Bway. (Steam) .....C  
 N. Y.—Binghamton  
 Shanley & Wells, 118 Wash- (Water Tube) .....A  
 N. Y.—Brooklyn  
 Clonbrock Steam Boiler Co., 240 Lorraine (Monn Climax; Vertical; Incline; Water Tube) .....A  
 Continental Iron Works, Cayler cor. West (Steam; Gas) .....A  
 Cunningham, Chris., 437 Greenpoint Av. (Steam).B  
 Pioneer Iron Works, 151 William (Steam) .....A  
 N. Y.—Buffalo  
 Farrar & Trefts 54 Perry (Steam) .....AAA  
 Lake Erie Boiler Wks. Chicago & Perry (Steam) A  
 N. Y.—Fishkill on Hudson  
 Fishkill Landing Machine Co. (Steam) .....A  
 N. Y.—Geneva  
 Herendeen Mfg. Co. (Steam) A  
 New York Central Iron Wks. Co. (Steam) .....B  
 N. Y.—Little Falls  
 Burrell & Co., D. H. (Steam) .....AAA  
 Reddy's Sons, M. (Steam).C  
 N. Y.—Marathon  
 Climax Road Machine Co. (Steam Engine) .....B  
 N. Y.—Newburgh  
 Abendroth & Root Mfg. Co. (Steam) .....A  
 Delaney & Co., P. (Steam) B  
 Newburgh Ice Machine & Eng. Co. (Steam) .....A  
 New York City  
 Abendroth & Root Mfg. Co., 99 John (Water Tube).A  
 Babcock & Wilcox Co., 85 Liberty (Forged Steel; Water Tube) .....AAAA  
 Boyer Water Tube Boiler Co., 90 Water (Water Tube) .....B  
 Gas Engine & Power Co., & Seabury & Co., Chas. L., 11 B'way (Marine; Water Tube) .....AA  
 Gorton & Lidgerwood Co., 96 Liberty (Steel Sectional) AAA  
 Lidgerwood Mfg. Co., 96 Liberty (Steam) .....AAA  
 Morgan Iron Works, 814 9th (Steam) .....B  
 New York Safety Steam Power Co., 113 Liberty Worthington Sectional; Steam; Water Tube)...B  
 Nichols, D. M. (Est. of), 2 Gouverneur Pl. (Steam).B  
 Roberts Safety Water Tube Boiler Co., 39 Cortlandt (Steam) .....C  
 Smith Co., H. B., 133 Center (Steam) .....AA  
 N. Y.—Ogdensburg  
 Nash Bros. & Co. (Steam).A  
 N. Y.—Oneida  
 Oneida Iron Wks. (Steam) B  
 N. Y.—Oswego  
 Ames Iron Wks. (Steam) AA  
 N. Y.—Rochester  
 Wilson Machine Co., W. A. (Steam) .....B  
 N. Y.—Troy  
 Frankling Boiler Works Co., P. O. Sta. 3 (Water Tube) B

**BOILERS, ST'M (Con.)**

N. Y.—Utica  
 Utica Steam Engine & Boiler Works (Steam) .....C  
 N. Y.—Watertown  
 Watertown Eng. Co. (Steam; Heavy Duty; High Pressure) .....C  
 N. Y.—Wellsville  
 McEwan Bros. (Steam)...C  
 N. C.—Charlotte  
 Liddell Co. (Steam) .....A  
 N. C.—Winston-Salem  
 Salem Iron Wks. (Steam).B  
**OHIO—Akron**  
 McNell Boiler Co. (Cook Water Tube) .....C  
**OHIO—Alliance**  
 Reeves Bros. Co. (Steam).A  
**OHIO—Barberton**  
 Stirling Co. (The) (Water Tube) .....AAAA  
**OHIO—Canton**  
 Aultman Co. (Steam) ....A  
**OHIO—Cincinnati**  
 Erie City Iron Wks., 809 Walnut .....AAAA  
 Jones & Co., Robt., Pearl & Ludlow (Steam) .....A  
 McIlvain & Spiegel Boiler & Tank Co., Pearl & Lawrence (Clyde Steam)...B  
 Tudor Boiler Mfg. Co., 716 E. Pearl (Water Tube).B  
**OHIO—Cleveland**  
 Amer. Ship Bldg. Co., 120 Viaduct (Marine) .AAAA  
**OHIO—Columbus**  
 Borger Bros. & Co., Broad & Scioto (Steam) .....A  
 Rarig Engineering Co., 5th Av. (Steam) .....A  
**OHIO—Defiance**  
 Defiance Machine Works (Steam) .....A  
**OHIO—Findlay**  
 Adams Bros. Co. (Steam).B  
**OHIO—Fremont**  
 June & Co., D. (Steam)..AA  
**OHIO—Girard**  
 Girard Boiler & Mfg. Co. (Steam) .....B  
**OHIO—Lima**  
 Golley & Finley Iron Wks. (Steam) .....A  
**OHIO—Lowellville**  
 Meehan Boiler & Construction Co. (Water Tube)..C  
**OHIO—Mansfield**  
 Aultman & Taylor Mchry. Co. (Water Tube) ....AA  
**OHIO—Marietta**  
 Marietta Boiler Works (Water Tube; Portable on Wheels) .....A  
 Pattin Bros. Co. (Steam).B  
 Strecker, H. (Steam)....C  
**OHIO—Marion**  
 Huber Mfg. Co. (Steam) AAA  
**OHIO—Massillon**  
 Russell & Co. (Steam) AAAA  
**OHIO—Middleport**  
 Ohio Mach. Co. (Steam)...C  
**OHIO—Mt. Vernon**  
 Cooper Co., C. & G. (Steam; Steel) .....AA  
**OHIO—Newark**  
 McNamara Mach. Works (Steam) .....B  
 Scheidler Machine Works (Steam) .....C  
**OHIO—Niles**  
 Niles Boiler Co. (Steam).B  
**OHIO—Portsmouth**  
 Portsmouth Fdy. & Mach. Wks. (Steam) .....A  
**OHIO—Ravenna**  
 Byers Mach. Co., John F. (Steam) .....B  
**OHIO—Salem**  
 Buckeye Eng. Co. (Steam) AA  
**OHIO—Sandusky**  
 Klotz Machine Co. (Steam) B  
**OHIO—Springfield**  
 Leffel & Co., Jas. (inc.) (Stationary; Portable; Horizontal; Vertical) .AA  
 Trump Mfg. Co. (Steam)..B  
**OHIO—Toledo**  
 Ricard Boiler & Eng. Co.,

<b>BOILERS, ST'M (Con.)</b> 700 Water (The McNaul; Water Tube) .....B	<b>BOILERS, ST'M (Con.)</b> S. Delaware Av. (Steam) AA
<b>OHIO—Warren</b> Warren City Boiler Works (Steam) .....B	Cramp & Sons Ship & Eng. Bldg. Co., Wm., Beach & Ball (Marine) .....AAAA
<b>OHIO—Youngstown</b> Enterprise Boiler Co. (Steam) .....C	Ervien & Co., C. W., 420 Memphis (Steam) .....B
<b>Pollock Co., W m. B.</b> (Steam) .....B	General Engineering Co., 764 Swanson (Steam) .....B
<b>OHIO—Zanesville</b> Union Machine Wks. (Steam) .....A	Goldner & Son, Hy., Tasker St. Wharf, Del. River (Steam) .....C
<b>OREGON—Astoria</b> Astoria Iron Works (inc.) (Steam) .....B	Harrison Safety Boiler Works, 17th (Steam) ...A
<b>OREGON—Portland</b> Willamette Boiler Works. Front & Everett (Steam) B	Howard Foundry & Machine Wks., 2123 Mkt. (Steam) C
<b>PA.—Allegheny</b> Porter Fdy. & Mach. Co. (Steam) .....A	Kensington Engine Works (Ltd.), 245 N. Broad (Re- turn Tubular) .....A
<b>PA.—Allentown</b> Allentown Boiler Wks. (Col- lum & Knoce) (Steam).C	Moore Water Tube Boiler Co., E. J., 2227 Wood (Steam) .....C
<b>Heilman Boiler Wks.</b> (Steam) .....B	Naylor, John S., Front & Girard (Steam) .....A
<b>PA.—Bangor</b> Flory Mfg. Co., S. (Steam) B	Nittlinger, August, Sr., 826 N. 4th (Steam) .....A
<b>PA.—Beaver Falls</b> Keystone Driller Co. (Up- right; Portable) .....B	Nuttall, John, 1723 N. 5th (Steam) .....C
<b>PA.—Bradford</b> Bovalrd & Seyfang Mfg. Co. (Steam) .....A	Phoenix Iron Works, Odd Fellows Temple Bldg. (Steam) .....B
<b>PA.—Chester</b> Wetherill Machine Co., Jas. P. (Steam; Berry Water Tubs) .....AAAA	Rich. J. & G., 120 N. 6th (Steam) .....B
<b>PA.—Coatsville</b> Coatsville Boiler Works (Steam) .....A	<b>PA.—Pittsburg</b> Hyde Bros. & Co., Lewis Blk. (Water Tube) ...B
<b>PA.—Conshohocken</b> Bate & Son, Wm. T. (Steam) .....A	McNeil & Bros. Co., Jas., 29th & A. V. Ry. (Steam) AA
<b>PA.—Corry</b> Ajax Iron Works (Station- ary; Portable) .....B	Munroe & Son, R., 23d & Smallman (Water Tube; Portable on Wheels) ...A
<b>PA.—Drbois</b> Dubois Iron Wks. (Tubular) AAAA	Oil Well Supply Co., 21st & A. V. Ry. (Steam; Water Tube) .....AAAA
<b>PA.—East Stroudsburg</b> International Boiler Works Co. (Steam) .....C	Rhean & Co., S. B., 43d & A. V. Ry. (Steam) ...A
<b>PA.—Erie</b> Erie City Iron Wks. (Station- ary; Portable; Verti- cal) .....AAAA	Riter-Conlev Mfg. Co., 56 Water (Steam) ....AAA
<b>Erie Engine Wks. (Water Tube) .....A</b>	<b>PA.—Pittston</b> Exeter Mach. Wks. (Steam) .....B
<b>Nagle Engine &amp; Boiler Wks.</b> (Steam) .....AAA	<b>PA.—Pottstown</b> Sotler Bros. (Inc.) (Steam) B
<b>Pennsylvania Boiler Works</b> (Steam) .....AA	<b>PA.—Pottsville</b> Snarks & Parker (Steam).C
<b>Searns Mfg. Co. (Water Tube) .....AA</b>	<b>PA.—Ridgway</b> Ridgway Mfg. Co. (Steam) C
<b>Union Iron Wks. (Steam).A</b>	<b>PA.—Scranton</b> Finch Mfg. Co., N. 8th. c. W. Linden (Steam) ...AA
<b>PA.—Harrisburg</b> Harrisburg Fdy. & Mach. Wks. (Steam) .....A	<b>PA.—Shamokin</b> Mullen & Son, Jno. (Water Tube) .....A
<b>Harrisburg Mfg. &amp; Boiler Co. (Water Tube) ....B</b>	<b>PA.—Sharon</b> Sharon Roller Wks. (Ltd.) (Wheeler Water Tube)..C
<b>PA.—Kennett Square</b> American Road Mach. Co. (Portable; Stationary).AA	<b>PA.—Tatamy</b> Messinger Mfg. Co. (Low Pressure) .....B
<b>PA.—Kutztown</b> Kutztown Foundry & Ma- chine Co. (Steam) ....B	<b>PA.—Titusville</b> Young & Sons, E. R. (Steam) .....B
<b>PA.—Lancaster</b> Best, John (Est. of) (Steam) .....B	<b>PA.—Troy</b> Troy Engine & Machine Co. (Steam) .....B
<b>PA.—Lebanon</b> Lebanon Boiler Works (Steam) .....C	<b>PA.—Warren</b> Struthers-Wells Co. (Steam; Portable on Wheels) ...AA
<b>PA.—Meadville</b> Phoenix Iron Works Co. (Steam; Portable on Wheels) .....A	<b>PA.—Washington</b> Petroleum Iron Works Co. (Steam) .....B
<b>PA.—New Castle</b> Pennsylvania Engineering Works (Steam) .....A	<b>PA.—Waynesboro</b> Frick Co. (Portable on Wheels) .....AAA
<b>PA.—Norristown</b> Newbold & Son Co., R. S. (Steam) .....A	Geiser Mfg. Co. (Steam) AAA
<b>PA.—Oil City</b> Oil City Boiler Wks. (inc.) (Water Tube; Portable on Wheels) .....AAAA	<b>PA.—Wilkesbarre</b> Vulcan Iron Wks. (Portable on Wheels; Steam) ...AA
<b>PA.—Philadelphia</b> Baizley Iron Wks., Jno., 510	<b>PA.—Williamsport</b> Keeler Co., E. (Internat Furnace; Water Tube).A
	Larzelere Mach. Co. (Steam) B
	<b>PA.—York</b> Proomell, Schmidt & Steacy

**BOILERS, ST'M (Con.)**  
 Co. (American Combination Water Tube)....B  
**Farguhar & Co., A. B.**  
 (Steam; Locomotive).AAA  
**Motter & Sons, Geo. F.**  
 (Steam) .....B  
**York Mfg. Co. (Ltd.) (Return Tubular)** .....AA  
**R. I.—Bristol**  
**Herreshoff Mfg. Co. (Water Tube)** .....A  
**R. I.—Hope Valley**  
**Nichols & Langworthy Mach. Co. (Steam)** .....AA  
**R. I.—Providence**  
**Almy Water Tube Boiler Co., 178 Allens Av. (Water Tube)** .....B  
**Harris Steam Engine Co., W. A., Park c. Promenade (Steam)** .....B  
**S. C.—Spartanburg**  
**Morgan Iron Wks. (Steam)** .....O  
**TENN.—Chattanooga**  
**Casey & Hedges Mfg. Co. (Steam)** .....A  
**Sherman-Morris Mfg. Co. (Steam)** .....B  
**Walsh & Weldner Boiler Co. (Water Tube)** .....A  
**TENN.—Jackson**  
**Southern Eng. & Boiler Wks. (Steam; Portable on Wheels)** .....A  
**TENN.—Memphis**  
**Chickasaw Iron Wks., 2d c. Winchester (Steam)**....A  
**TENN.—Nashville**  
**Culbert & Sons, Wm., 127 S. Market (Steam)** ....C  
**TEXAS—Galveston**  
**Astall Iron Works, 2615 Strand (Steam)** .....O  
**TEXAS—San Antonio**  
**Alamo Iron Wks. (Steam)**.C  
**Collins Mfg. Co., F. F. (Steam)** .....A  
**VT.—Rutland**  
**Holmes & Co., J. H. (Steam)** .....B  
**VT.—Winooski**  
**Stevens Mach. Co. (Steam)** .....B  
**VA.—Newport News**  
**Newport News Shipbuilding & Dry Dock Co. (Steam)** .....AAA  
**VA.—Norfolk**  
**Duvall & Co., Geo. W. (Steam)** .....C  
**WASH.—Everett**  
**Sumner Iron Wks. (Water Tube)** .....A  
**WASH.—Seattle**  
**Moran Bros. Co. (Marine; Stationary)** .....A  
**Washington Iron Wks. Co., Grant St. Bridge (Steam)** .....B  
**WASH.—Spokane**  
**Union Iron Wks. (Inc.) (Steam)** .....A  
**WASH.—Tacoma**  
**Puget Sound Dry Dock & Machine Co., 1701 Dock (Steam)** .....B  
**W. VA.—Charleston**  
**South Side Fdy. & Machine Wks. (Steam)** .....A  
**WIS.—Milwaukee**  
**Davis Brothers Mfg. Co. (Steam)** .....B  
**Milwaukee Boiler Co., 220 Oregon (Steam)** .....A  
**WIS.—Racine**  
**Freeman & Sons Mfg. Co., S. (Portable on Wheels; Steam)** .....A  
**WIS.—Watertown**  
**Kunert Mfg. Co., E. (Steam)** .....C

## BOILERS, MISCELLANEOUS

**CONN.—Waterbury.**  
**Randolph-Clowes Co. (Copper Range)** .....AAA

**BOILERS, MISC. (Con.)**  
**ILL.—Aurora**  
**Phillips, T. L. (Hot Water)** .....D  
**ILL.—Chicago**  
**Clow & Sons, J. B., 344 Franklin (Galvanized Iron Range)** .....AAA  
**Wolff Mfg. Co., L., 117 W. Lake (Copper Range)** .....AAA  
**ILL.—Clyde**  
**Coonley Mfg. Co. (Rice; Coffee; Milk)** .....A  
**IND.—Evansville**  
**Grote Mfg. Co. (Hot Water)** .....D  
**IND.—Kokomo**  
**Globe Stove & Range Co. (Charcoal)** .....A  
**MD.—Baltimore**  
**McShane Mfg. Co., Hy., 441 North (Galvanized Iron Range; Copper)**...AAAA  
**Sadtler & Co., J. B., 813 S. Howard (Galvanized Iron Range)** .....C  
**MASS.—Boston**  
**Badger & Sons' Co., 65 Pitts (Copper Range; Wash.)**.A  
**Reardon, John, 111 Albany (Copper Range)** .....E  
**Walker & Pratt Mfg. Co., 31 Union (Hot Water)**.AA  
**MASS.—Worcester**  
**Hamblin & Russell Mfg. Co. (Wire Egg)** .....B  
**National Mfg. Co. (Egg)**.A  
**Wire Goods Co. (Vegetable)** .....A  
**MICH.—Detroit**  
**Detroit Range Boiler Co., 619 24th (Galvanized Iron Range)** .....B  
**United States Heater Co., 251 Campbell (Hot Water)** .....A  
**MICH.—Mt. Clemens**  
**Donaldson Bros. (Farm)**...A  
**MINN.—St. Paul**  
**South Park Fdy. & Machine Co. (Heating)** .....B  
**N. J.—Bartley**  
**Bartley & Sons, Wm. (Heating)** .....D  
**N. J.—Jersey City**  
**Griffing Iron Co., A. A. (Cast Iron Hot Water)** .....AA  
**N. J.—Trenton**  
**Throop, Wm. R. (Rubber)** .....A  
**N. Y.—Brooklyn**  
**Brooklyn Range Boiler Co., Eagle (Galvanized Iron Range)** .....B  
**Ronalds & Johnson Co., 51 Boerum Pl. (Galvanized Iron Range; Copper)**..AA  
**N. Y.—Cortland**  
**Wickwire Bros. (Vegetable)** .....AAAA  
**New York City**  
**Avery, Hy. W., 364 Front (Copper)** .....D  
**Iron Clad Mfg. Co., 4 Cliff (Galvanized Iron Range)** .....AAA  
**Jochum, Andrew, 148 E. 50th (Copper Range)**...D  
**Koven & Bro., L. O., 50 Cliff (Galvanized Iron Range)** .....A  
**Lalance & Grosjean Mfg. Co., 19 Cliff (Galvanized Iron Range)** .....AAAA  
**Steege, Hy., 143 E. 31st (Copper Range)** .....A  
**Trager Steam Copper Works, 447 W. 26th (Coal Range)** .....A  
**N. Y.—Oswego**  
**Steam Carriage Boiler Co. (Automobile)** .....D  
**N. Y.—Rochester**  
**Rochester Stamping Co. (Coffee)** .....AAA  
**OHIO—Cincinnati**  
**Francis & Bro., Chas. E. (Glue)** .....B  
**OHIO—Cleveland**  
**Cleveland Stamping & Tool Co. (Vegetable)** .....A  
**OHIO—Hamilton**

**BOILERS, MISC. (Con.)**  
 Meyers Mfg. Co., Fred J.  
 (Vegetable) .....B  
**OHIO—Lima**  
 Star Iron Works (Shop)...D  
**OHIO—Toledo**  
 Advance Machinery Co.  
 (Glue) .....C  
**PA.—Conshohocken**  
 Wood Mfg Co., John (Gal-  
 vanized Iron Range)...B  
**PA.—Philadelphia**  
 Blessing, C. A., 516 Mont-  
 gomery Av. (Copper  
 Range) .....AA  
 Carroll, Patrick, 1335 Mt.  
 Vernon (Galvanized Iron  
 Range) .....C  
 Darby & Son, Edw., 233  
 Arch (Vegetable) ....A  
 Harney, Wm., 1011 Master  
 (Bath; Galvanized Iron  
 Range) .....F  
 Hibbs, E. A., 209 Quarry  
 (Galvanized Iron Range)  
 D  
 Hill, Thos. D., 2314 N. 8th  
 (Bath; Galvanized Iron  
 Range) .....B  
 Janney, Steinmetz & Co.,  
 Drexel Bldg. (Automobile)  
 D  
 Penna. Range Boiler Co.,  
 2010 N. 10th (Galvanized  
 Iron Range) .....B  
 Thompson Iron Wks., 1825  
 Callowhill (Galvanized  
 Iron Range) .....D  
**PA.—Pittsburg**  
 Scalfe & Sons, Wm. B.  
 (Galvanized Iron & Cop-  
 per Range) .....AAA  
**WIS.—Milwaukee**  
 Pressed Steel Tank Co. (Au-  
 tomobile) .....AAAA  
 Seamless Structural Co.  
 (Automobile) .....D

## BOLSTERS

See also Bedding

**IND.—Hammond**  
 Simplex Railway Appliance  
 Co. (Car Truck; Body)  
 AA  
**IOWA—Davenport**  
 Bettendorf Axle Co. (Car  
 Truck; Body) .....AA  
**MASS.—Boston**  
 Bent & Co., Geo. W. ....B  
**MASS.—Hopedale**  
 Westcott, A. W. (Spindle)  
 F  
**MO.—St. Louis**  
 American Car & Foundry  
 Co. (Car Truck; Body)  
 AAAA  
**N. J.—Trenton**  
 Bloom & Godley (Spindle)  
 A  
 New York City  
 American Steel Foundries,  
 74 B'way (Car Truck;  
 Body) .....AAAA  
**OHIO—Piqua**  
 Plqua Handle & Mfg. Co.  
 (Spindle) .....A  
**PA.—Chester**  
 American Steel Foundries  
 (Car Truck; Body).AAAA  
**PA.—Lebanon**  
 American Iron & Steel Mfg.  
 Co. (Car Truck; Body)  
 AAAA  
**PA.—Philadelphia**  
 Sterlingworth Railway Sup-  
 ply Co. (Car Truck; Body)  
 B  
**PA.—Pittsburg**  
 Pressed Steel Car Co. (Car  
 Truck; Body) .....AAAA  
 Standard Steel Car Co.,  
 Frick Bldg. (Car Truck;  
 Body) .....B  
**R. I.—Bridgeton**  
 Hopkins Machine Works  
 (Spindle) .....C  
**R. I.—Pawtucket**  
 Payne & Co., Geo. W.  
 (Spindle) .....A

## BOLTERS

See also Machinery

**MAINE—Bangor**  
 Bangor Foundry & Machine  
 Co. (Lath) .....F  
**MICH.—Bay City**  
 Garland Co., M. (Gang)...C  
**MICH.—East Saginaw**  
 Mitts & Merrill (Lath)...B  
**MICH.—Kalamazoo**  
 Hill & Co., W. E. (Shingle;  
 Lath) .....D  
**N. Y.—Buffalo**  
 Holmes Machinery Co., E. &  
 B. (Gang) .....B  
**N. Y.—Lockport**  
 Trevor Mfg. Co. (Shingle)  
 B  
**VT.—Montpelier**  
 Lane Mfg. Co. (Shingle;  
 Lath) .....A  
**WIS.—Eau Claire**  
 Phoenix Mfg. Co. (Shingle)  
 A  
**WIS.—Milwaukee**  
 Allis-Chalmers Co. (Lath)  
 AAAA  
 Filler & Stowell Co. (Ltd.)  
 (Shingle; Gang) ....AAAA

## BOLTS

See Hardware; Carriage

**ALA.—Birmingham**  
 Southern Bolt & Nut Wks.  
 (Bridge; Structural Mach-  
 ine) .....B  
**CAL.—San Francisco**  
 Judson Mfg. Co., Howard  
 & Beale (Track) .....AA  
 Payne's Bolt Wks. 121  
 Howard (Carriage) ....A  
**COLO.—Denver**  
 Colorado Fuel & Iron Co.,  
 Boston Bldg. (Bridge,  
 Structural; Machine; &  
 Track) .....AAAA  
**CONN.—Bridgeport**  
 Bridgeport Brass Co. (Brass;  
 Copper) .....AA  
**CONN.—Derby**  
 Birmingham Brass Co.  
 (Brass) .....AA  
**CONN.—Hartford**  
 Billings & Spencer Co.  
 (Hook & Eye) .....A  
 Hartford Machine Screw Co.  
 (Stud Machine) .....AAAA  
**CONN.—Marion**  
 Frost, L. D., (Est.)  
 (Carriage) .....C  
**CONN.—Middletown**  
 Wilcox, Crittendon & Co.  
 (Hook & Eye) .....A  
**CONN.—Milldale**  
 Clark Bros. & Co. (Bicycle;  
 Carriage; Hanger; Hook  
 & Eye; Machine; Plow;  
 Stove Special all Kinds..A  
**CONN.—Mt. Carmel**  
 Mt. Carmel Bolt Co. (Stove)  
 B  
**CONN.—New Britain**  
 New Britain Hdw. Mfg. Co.  
 (Machine; Planer Head) B  
 Stanley Works. (Barrel;  
 Wrought Steel; Door;  
 Window; Shutter) .AAA  
**CONN.—New Haven**  
 Cowles & Co., C. (Carriage)  
 A  
 Reynolds & Co. (Belt or Ele-  
 vator; Bridge; Structural;  
 Coupling; Machine; Link;  
 Stove; Stud; Tap) ....B  
 Sargent & Co. (Barn Door;  
 Barrel; Door; Window;  
 Hook & Eye for Shutters)  
 AAAA  
**CONN.—Plantsville**  
 Atwater Mfg. Co. (Whiffle-  
 tree) .....A  
**CONN.—Seymour**  
 New Haven Copper Co.  
 (Copper) .....AA  
**CONN.—Shelton**  
 Bassett, D. M. (Carriage).C  
 Shelton Co. (Carriage; Sink;  
 Stove) .....A  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co.  
 (Barn Door; Brass; Cop-

**BOLTS (Con.)**

per; Carriage; Copper Soldering; Door; Window; Stove; Tire) .....AAAA  
 Southington Cutlery Co. Sleight; Link; Shoe; Tire) .....AA

**CONN.—Torrington**

Coe Brass Mfg. Co. (Brass) .....AAAA  
 Progressive Mfg. Co. (Bicycle) .....A

**CONN.—Unionville**

Union Nut & Bolt Co. (Belt or Elevator; Bridge; Structural; Machine) .....A  
 Upon Nut Co. (Bridge; Structural; Carriage; Coupling; Hook & Eye; Loom; Machine; Plow; Sink; Stove; Stud; Tire; Track; Wiffletree) AAA

**CONN.—Waterbury**

Benedict & Burnham Mfg. Co. (Brass) .....AAAA  
 Holmes. Booth & Hayden Co. (Brass; Copper) AAAA  
 Plume & Atwood Mfg. Co. (Brass; Copper) .....AAA  
 Scovill Mfg. Co. (Brass) .....AAAA

Steele & Johnson Mfg. Co. (Brass) .....A  
 Waterbury Brass Co. (Brass) .....AAAA

**CONN.—Winsted**

Moore-Franklin Co. (Carriage; Countersunk; Shoe; Sleight; Tire) .....A  
 Richards Hardware Co. (Tire) .....O

**DEL.—Wilmington**

Diamond State Steel Co. (Bridge; Structural; Carriage; Machine; Stud; Track) .....AAA

**ILL.—Aurora**

Willcox Mfg. Co. (Expansion) .....B

**ILL.—Chicago**

Columbia Screw Co. (Belt; Elevator; Brass; Copper; Sink; Stove) .....  
 Continental Bolt & Iron Works, 22d & Union (Bridge; Structural; Car; Foundations; Key; Machine; Track) .....B  
 Illinois Screw Co., 19 Lake (Boller; Patch; Planer head) .....C  
 Republic Iron & Steel Co., Stock Exch. Bldg. (Boller; Stay; Bridge; Structural; Carriage; Countersunk; Drift; Foundation; Hook & Eye; Plow; Sleight; Shoe; Stud; Tap; Tire; Sink; Track) .....AAAA  
 Standard Screw Co., 2 N. Canal (Coupling; Planer Head; Stud; Machine Screw Coupling) .....AAA

**ILL.—Freeport**

Arcade Mfg. Co. (Door; Window) .....B

**IND.—Indianapolis**

Parkhurst Bros. & Co., 218 Kentucky Av. (Bridge; Structural; Carriage & Hanger) .....C

**MD.—Baltimore**

Clendenin Bros. 111 S. Gay. (Copper Soldering) .....A  
 Dietrich Bros. 344 North (Machine) .....A  
 National Supply Co. 7 W. Lombard .....B

**MASS.—Boston**

Boston Bolt Co., 33 Purchase (Belt; Elevator; Bridge; Structural; Expansion; Hook & Eye; Machine; Sink; Bolt; Track) .....B  
 New England Bolt & Nut Co., 253 Atlantic Av. (Barrel; Belt; Elevator; Bridge; Structural; Carriage; Expansion; Hook & Eye; Machine; Sink; Stud; Tap; Tire) .....C  
 Sylvester Co., 70 Kilby (Bridge Structural) .....B

**MASS.—Lowell**

American Bolt Co. (Belt; Elevator; Bridge; Struc-

**BOLTS (Con.)**

tural; Carriage; Hook & Eye; Machine; Stud; Track) .....B

**MASS.—New Bedford**

Taunton-New Bedford Copper Co. (Brass; Copper; Yellow Metal only) .....AAA

**MASS.—Springfield**

Transue & Williams Co. Hook & Eye; Drop Forged) .....A

**MASS.—Worcester**

Wire Goods Co., 20 Union (Hook & Eye) .....B

**MICH.—Detroit**

Anderson & Sons, W. H. (Drift; Foundation; Hook & Eye; Expansion; Wall; Anchor) .....O

**Detroit Copper & Brass**

Rolling Mills (Copper; Brass) .....AAAA

Diamond Stamped Ware Co. Summit nr. River (Copper Soldering) .....A

**Michigan Bolt & Nut Wks.**

Meldrun Av. (Boiler Stay; Bridge; Structural; Car; Carriage; Collar; Counter-Foundation; Hanger; Hook Head; Hook & Eye; Machine; Plow; Sleight Shoe; Stove; Stud; Tap; Tire; Track) .....A

**MO.—Kansas City**

Kansas City Bolt & Nut Co. Inde Av. & Bristol (Bridge; Structural; Carriage; Coupling; Drift; Foundation; Hanger; Hook & Eye; Key; Mach.; Stud; Tap; Track) .....A

**MO.—St. Louis**

Moran Bolt & Nut Mfg. Co. Florida & Maine, (Belt; Elevator; Boiler Patch; Boiler Stay; Bridge; Structural; Car; Carriage; Countersink; Drift; Foundation; Hanger; Hook & Eye; Key; Mach.; Plow; Stove; Stud; Track) .....A

**St. Louis Screw Co. 3017 N.**

13th (Bicycle; Boiler Patch; Coupling; Stove; Stud; Thumb) .....B

**N. J.—Dover**

Dover Iron Co., of N. J. ...A

**N. J.—Jersey City**

Ames & Co., W. (Track) ...A

**N. Y.—Brooklyn**

Evans, F. H., 596 Kent Av. (Expansion; Expansion Eye; Expansion Switch-board; Hook & Eye; Toggle) .....O

**Williams & Co., J. H., 9**

Richards (Hook & Eye Drop Forge) .....AAA

**N. Y.—Buffalo**

Buffalo Bolt Co. (Door; Window) .....A

**New York City**

American Steel & Wire Co. 71 B'way (Machine) .....AAAA

**Ansonia Brass & Copper Co.**

99 John (Copper Solder-Gaskell & Son, Wm. 433 E. 25th (Bridge; Structural; Mach.) .....B

**Greenlie, Wyatt & Co. 499**

Water (Mach.; Tap) .....B  
 Hall's Sons, Sam'l. 229 W. 10th (Machine) .....A

**Hendricks Bros. 49 Cliff**

(Copper) .....AAAA

**Hungerford Press & Copper**

Co., U. T., 497 Pearl (Brass & Copper) .....A

**McCabe Hanger Mfg. Co.,**

425 W. 25th (Expansion; Expansion Eye; Expansion Switchboard) .....C

**Trenton Iron Co., 17 Burling**

Slip .....AA  
 Union Nut & Bolt Co., 107 Chambers (Machine) ...B

**N. Y.—Port Chester**

Russell, Burdsall & Ward Bolt & Nut Co. (Bicycles; Coupling; Mach.; Sink; Sleight Shoe; Stove; Tap; Tire; Whiffletree) .....AA

**BOLTS (Con.)**

**N. Y.—Rochester**  
Sargent-Greenleaf Co. (Door & Window) .....AA  
**N. Y.—Syracuse**  
Central City Bolt Co. Bell; Elevator; Bridge; Structural; Carriage; Hook; Eye; Machine; Stove; Tap; Tire) .....C  
**OHIO—Canton**  
Ney Mfg. Co. (Door; Window) .....B  
**OHIO—Cincinnati**  
Cincinnati Screw & Tap Co., 2442 Beekman (Boiler Patch; Coupling; Mach.; Planer Head; Steel)....B  
**OHIO—Cleveland**  
Atlas Bolt & Screw Co., Marquette opp. Hamilton (Barn Door; Carriage; Mach.; Sink; Sleigh Shoe; Stove; Tap; Tire).....A  
Cleveland Bolt & Mfg. Co., Stanton & C. & P. R. R. (Carriage) .....C  
Cleveland Cap & Screw Co., 66 Clarkwood Av. (Coupling; Stud) .....B  
Cleveland City Forge & Iron Co., Case Av. c. Lake.AA  
Eberhard Mfg. Co., Pennyson & C. & P. R. R. (Carriage) .....AA  
Kirk-Latty Mfg. Co., Malcolm Av., Nickle Plate R. R. (Carriage; Sink; Tire) B  
Lamson & Sessions Co., 412 Scranton Av. (Carriage; Countersink; Hanger; Hook; Eye; Key; Mach.; Plow Sink; Sleigh Shoe; Stove; Stud; Tap; Tire; Track) .....AA  
National Screw & Tack Co., Stanton & C. & P. R. R. (Bicycle; Stove; Thumb; Tire) .....AA  
Taylor & Boggis Co., 521 Seneca (Door; Window) AA  
**OHIO—Columbus**  
Berry Bros. (Carriage; Tire) B  
Columbus Bolt Wks. (Bridge; Structural; Carriage; Hook; Eye; Mach.; Plow; Sink; Stove; Stud; Tap; Tire; Whiffletree) A  
Weinman Machine Wks., 23 N. Sciott .....C  
**OHIO—Elyria**  
Western Automatic Machine & Screw Co. (Collar Coupling; Planer; Head; Stud; Bicycle; Brass; Copper; Case Hardened; Check; Jam; Semi-Furn.; Tapped) AA  
**OHIO—Mansfield**  
Ohio Brass Co. (Insulated) B  
**OHIO—Salem**  
Clark Co., W. J. (Belt; Elevator) .....B  
**OHIO—Toledo**  
Church, Isaac (Anchor; Awning Hinge; Expansion; Expansion Eye; Expansion Switchboard; Foundation; Shutter; Toggle) .....F  
**OHIO—Youngstown**  
Youngstown Car Mfg. Co. (Car) .....A  
Youngstown Mfg. Co. (Bridge; Structural; Car) AA  
**PA.—Allegheny**  
Graham Nut Co., 755 Rebecca (Foundation) ....C  
**PA.—Erie**  
Griffin Mfg. Co. (Barrel; Door; Window) .....A  
**PA.—Lancaster**  
Penn Iron Co. (Anchor; Belt; Elevator; Car; Foundation; Machine; Track) A  
**PA.—McKees Rocks**  
Lockhart Iron & Steel Co.

**BOLTS (Con.)**

(Boiler Stay) .....AA  
**PA.—Mechanicsburg**  
Wilcox Mfg. Co., D. (Hook; Eye; Drop Forged Eye).B  
**PA.—Milton**  
Milton Mfg. Co. (Carriage; Machine; Stud; Tap)....A  
**PA.—New Castle**  
New Castle Forge & Bolt Co. (Carriage; Drift; Foundation; Hook; Eye; Mach.; Stone; Track)....B  
**PA.—Philadelphia**  
Brohard Co., 1624 N. 9th (Expansion) .....X  
Cambria Steel Co., Arcade Bldg. (All Kinds).AAAA  
Enterprise Mfg. Co., N. 3d & Dauphin (Barn Door) AAAA  
Hoopes & Townsend Co., 1330 Buttonwood (Belt; Elevator; Boiler; Patch; Bridge; Stone; Car; Carriage; Cross Arm; Drift; Foundation; Hanger; Hook; Eye; Key; Mach.; Plow; Stud; Tap; Tire; Track) .....AAA  
Keystone Drop Forge Co., Harrison Bldg. (Hook; Eye) .....B  
McGookin, O., H., 1630 9th (Bridge; Structural)....C  
Phosphor Bronze Smelting Co., 220 Washington Av. (Brass; Copper; Phosphor Bronze; Machine) .....B  
Seaman & Co., D. C., 1638 N. Hutchinson (Expansion; Expansion Eye; Stud; Hook; Eye).....D  
Steward & Romaine Mfg. Co., 124 N. 8th (Double Expansion; Hitching; Ring; Expansion; Expansion Eye; Toggle; Hook & Eye) .....D  
**PA.—Pittsburg**  
Fort Pitt Forge Co. (Iron; Steel) .....B  
Hubbard & Co., Murland Bldg. (Carriage; Hook; Eye; Machine; Track)....A  
Lanz & Sons, M., 101 S. 29th (Boiler Patch; Bridge; Structural; Carriage; Countersink; Foundation; Hook; Eye; Key; Loom; Machine; Track; Anchor) .....B  
Oliver Iron & Steel Co., S. 10th & Muriel (Belt; Elevator; Boiler; Bridge; Stone; Car; Carriage; Collar; Coupling; Countersink; Drift; Foundation; Key; Machine; Stud; Track) .....AAAA  
Pittsburg Screw & Bolt Co., 25th & Liberty (Boiler Patch; Coupling; Foundation Hanger; Hook Head; Mach.; Planer; Head; Stud) .....B  
Pittsburg Mfg. Co., 28th & A. V. Ry. (Bridge; Structural; Machine) .....B  
Scaife & Sons' Co., Wm. B., 221 1st Av. (Bridge; Structural) .....B  
**PA.—Reading**  
Penn. Hdw. Co. (Barrel; Mortise; Door; Window) AA  
Reading Hdw. Co. (Barrel; Brass; Copper; Door; Window) .....AAA  
**PA.—Scranton**  
Scranton Bolt & Nut Co. (Boiler Patch; Bridge; Structural; Car; Carriage; Collar; Countersink; Coupling; Drift; Foundation; Hanger; Hook Head; Hook; Eye; Key; Mach.; Stud; Track; Whiffletree) A  
**R. I.—Pawtucket**  
Haskell Mfg. Co., Wm. H. (Belt; Elevator; Boiler Patch; Boiler Stay; Brass; Copper; Bridge; Struc-

**BOLTS (Con.)**

tural; Coupling; Hanger  
Hook; Head Hook; Eye;  
Mach.; Plow; Sink; Stud;  
Tap) .....A  
Pawtucket Mfg. Co. (Belt;  
Elevator; Boiler Patch;  
Brass; Copper; Bridge;  
Structural; Coupling;  
Hook; Eye; Mach.; Plow;  
Tap) .....A

**R. I.—Providence**

American Screw Co., 21  
Stevens (Bell; Elevator;  
Stove; Tire) .....AAAA

Rhode Island Tool Co.  
(Boiler Patch; Counter-  
sink; Coupling; Founda-  
tion; Hanger; Hook; Eye;  
Key; Loom; Machine;  
Planer; Head; Stud; Tap;  
Thumb) .....AAA

**VA.—Richmond**

Old Dominion Iron & Nail  
Works Co. (Bridge; Struc-  
tural; Car; Countersink;  
Drift; Foundation; Hang-  
er; Key; Machine) .....AAA

Tredeger Co. (Track) .....AAA

**W. VA.—Wheeling**

Wheeling Hinge Co. (Car-  
riage; Stove) .....AA

**WIS.—Milwaukee**

Milwaukee Tack Co., Wahl  
& 27th Av. ....C  
National Elastic Nut Co.,  
Russell Av. c. Superior  
(Machine; Track) .....A

**BONBON-  
NIERS**

See also Silverware &  
Jewelry

**CONN.—Wallingford**

Wallace & Sons Mfg. Co., R.  
.....AAAA

**New York City**

Jansen, Edward .....A

**BONDS****ILL.—Chicago**

Adams & Westlake Co.,  
Ontario & N. Franklin  
(Rail) .....AAA

American Steel & Wire Co.,  
The Rookery (Rail) .....AAAA

Atkinson & Co., J. M., 204  
Dearborn (Rail) .....F

Electric Appliance Co., 94  
W. Van Buren (Rail) .....R

Porter & Berg, 309 Dear-  
born (Rail) .....D

**MASS.—Boston**

Anderson Mfg. Co., Albert  
& J. M. (Rail) .....B

Chase-Shawmut Co., 390 At-  
lantic Av. (Rail) .....B

Thomas, Edw. G., 4 State  
(Rail) .....X

**MASS.—Worcester**

Morgan Spring Co. (Rail) .....B

**N. J.—Trenton**

Roebbing's Sons Co., John A.  
(Rail) .....AAAA

**N. Y.—Brooklyn**

Columbia Machine Works &  
Malleable Iron Co., 167  
Chestnut (Rail) .....A

**New York City**

Harrington, S. H., 120 Lib-  
erty (Rail; Diagonal Rail;  
Protected Rail) .....E

Johns-Manville Co., H. W.,  
100 William (Rail) .....AAAA

**N. Y.—Schenectady**

General Electric Co. (Rail)  
.....AAAA

**OHIO.—Cleveland**

Cleveland Brass & Bronze  
Works, 1188 Hamilton  
(Rail) .....D

**OHIO.—Mansfield**

Ohio Brass Co. (Rail) .....B

**PA.—North East**

Eureka Tempered Copper  
Works (Rail) .....B

**PA.—Pittsburg**

Westinghouse Electric &  
Mfg. Co. (Rail) .....AAAA

**BONDS (Con.)****R. I.—Providence**

American Electrical Works  
(Rail) .....AAAA

**WIS.—Milwaukee**

Falk Co., ft. 30th (Rail) ..A

**BONE**

See also Rawbone

**CONN.—Middletown**

Rogers & Hubbard Co.  
Granulated; Raw;  
Ground) .....A

**MICH.—Three Oaks**

Warren Featherbone Co.  
(Corset) .....AA

**N. J.—Newark**

Lister Agricultural Chem.  
Co. (Leg; Fat) .....AAAA

**N. Y.—Brooklyn**

Wiarda & Co., John C.,  
(Ground) .....AA

**OHIO.—Cincinnati**

Obermayer Co., S. (Case  
Hardening) .....AA

**PA.—Philadelphia**

Paxton Co., J. W. (Case  
Hardening) .....AA

**PA.—York**

York Chemical Wks. (Gran-  
ulated; Raw) .....A

**VT.—Hyde Park**

Page, Carroll S. (Fertilis-  
ing; Ground) .....A

**BONNETS**

See Millinery; Hats

**New York City**

Howard & Morse (Smoke  
Stack) .....D

Sjoberg & Co., J. P., 583  
W. 32d (Car) .....D

**OHIO.—Hamilton**

Meyers Mfg. Co., Fred J.  
(Smoke Stack) .....B

**BOOKCASES**

See Furniture

**BOOKS**

For Pocket Books, see Lea-  
ther Goods. See Ledgers.

**CAL.—San Francisco**

Althof & Bahls (Account)  
.....D

Hicks, Judd & Co. (Account)  
.....B

**CONN.—Derby**

How Mfg. Co. (Pin) .....A

**CONN.—Hartford**

Bailey Mfg. Co. (Letter  
Copying) .....C

Burr & Co., J. B. (Account)  
.....F

Burr Index Co. (Account;  
Physicians; Scratch;  
Blank) .....B

Plimpton Mfg. Co. (Br. U.  
S. Envelope Co., Spring-  
field, O.) (Account) .AAA

**CONN.—Waterbury**

Waterbury Blank Book Mfg.  
Co. (Account; Contrac-  
tors'; Index; Membership;  
Quartermasters') .....C

**CONN.—Windsor Locks**

Whittlesey, Frank H. (Let-  
ter Copying) .....B

**ILL.—Chicago**

Amberg File & Index Co.  
(Letter Copying) .....A

Baker-Vawter Co. (Account;  
Letter Copying) .....AA

Cameron, Amberg & Co.  
(Account) .....AA

Conkey Co., W. B. (Juve-  
nile) .....AAA

Ideal Specialty Co., 143 S.  
Clinton (Scrap) .....G

Jones Stationery & Printing  
Co., J. M. (Check; Draft)  
.....D

McDonald & Co., J. S. (Ac-  
count) .....A

Safeguard Account Co. (Ac-



**BOOKS (Con.)**

count) .....B  
 Shepard Co., Henry O. (Account) .....B  
 Western Bank Note & Engraving Co. (Check; Draft) .....AA  
 Wood & Co., Chas. H. (Letter Copying) .....F  
**IND.—Indianapolis**  
 Allison Coupon Co. (Telegraph; Railroad; Coupon) .....B  
**IND.—South Bend**  
 Pershing, H. Albert (Advertising; Copying; Coupon; Duplicate; Memorandum; Remittance) .....D  
**IOWA—Davenport**  
 Egbert, Fidler & Chambers (Account; Invoice; Memorandum) .....B  
**KANS.—Topeka**  
 Adams Bros. (Duplicating Sales) .....D  
**MASS.—Boston**  
 Forbes Lithograph Mfg. Co. (Check; Draft) .....AA  
 Gay & Co., Aaron R. (Account) .....F  
 Groom & Co., Thos. (Account; Hotel Register; Letter Copying; Note; Record) .....B  
 Webster Co., F. S. (Letter Copying) .....AA  
**MASS.—Holyoke**  
 Griffith, Axtel & Cady Co. (Check; Draft) .....D  
 National Blank Book Co. (Account; Cash; Drawing; Memorandum; Pass) .....AA  
**MASS.—Lowell**  
 Dumas & Co. (Blank; Memorandum) .....C  
**MASS.—Springfield**  
 Bradley Co., Milton (Kindergarten) .....A  
**MASS.—Worcester**  
 Maynard-Gough Co. (Account; Hotel Register; Livery) .....E  
**MICH.—Detroit**  
 Winn & Hammond (Account) .....D  
**MINN.—Minneapolis**  
 Swinburne & Co. (Account) .....E  
**MINN.—St. Paul**  
 Cosby & Co., Chas. E. (Manifold; Sales; Shipping) .....E  
**MO.—St. Louis**  
 Barnard & Co., Geo. D. (Account; Memorandum; Pass) .....AA  
**N. Y.—Buffalo**  
 Gies & Co. (Check; Draft) .....AAA  
**N. Y.—Castleton**  
 Fort Orange Pad Co. (Composition; Note) .....X  
**N. Y.—Elmira**  
 American Sales Book Co. (Sales; Grocers' Order) .....B  
**New York City**  
 American Bank Note Co. (Cash; Check; Draft) .....AAAA  
 American Book Co. (Educational; Text; School; Writing) .....AAAA  
 Boorum & Pease Co. (Account; Business College; Cash; Drawing; Invoice; Letter Copying; Manifold; Memorandum; Note; Record; Sales; School; Writing; Scrap; Scratch; Blank) .....AAA  
 Brabant Needle Co., 47 Great Jones (Needle) .....D  
 Corliss, Macy & Co. (Account; Check; Draft) .....B  
 Faber, Eberhard (Memorandum; Blank) .....AAA  
 International Bank Note Co. (Check; Draft) .....B  
 Johnson & Co., Milton C. (Check; Draft) .....E  
 Keuffel & Esser Co., 127 Fulton (Engineers' Field) .....AA  
 Kiggins & Tooker Co. (Account)

**BOOKS (Con.)**

count) .....B  
 Kissam, B. A. (Account) .....D  
 Koch, Sons & Co. (Account; Invoice; Music; Scrap) .....X  
 Liebenroth, Von Auw & Co. (Account) .....B  
 Lusk & Son, Richard E. (Account) .....B  
 McLaughlin Bros. (Toy) .....AAA  
 New York Bank Note Co. (Check; Draft) .....A  
 New York Blank Book Co. (Account; Composition; Invoice; Letter Copying; Memorandum; Order; Pass) .....AAAA  
 New York Cash Sales Book Co., 534 Pearl (Cash Sales) .....D  
 Ottman Lithographing Co. (Check; Draft) .....A  
 Shaw Blank Book Co., J. G. (Account; Letter Copying; Memorandum) .....B  
 Shipman, Asa L. (Invoice; Scrap) .....B  
 Slote & Co., Daniel (Account) .....B  
 Tower Mfg. & Novelty Co. (Account) .....A  
**N. Y.—Saugerties**  
 Saugerties Mfg. Co. (Account) .....AA  
**N. Y.—Syracuse**  
 Hall & McChesney (Index; Trial Balance) .....B  
 Wells Mfg. Co., A. J. (Account) .....X  
**OHIO—Cleveland**  
 Brooks Co. (Account) .....A  
 Forman-Bassett-Hatch Co. (Account) .....A  
 McKim Co., C. S. (Letter Copying) .....D  
**OHIO—Cochran**  
 Forbes, J. B. (Coupon) .....A  
**OHIO—Dayton**  
 Reynolds & Reynolds Co. (Account; Order; Repeating) .....A  
**PA.—Philadelphia**  
 Christy's Sons Co., Wm. M. (Account) .....X  
 Globe Bible Publishing Co. (Bibles; Toy) .....AAA  
 Hofstetter Bros. (Account) .....O  
 Lippincott Co., J. B. (Account) .....AAA  
 Mann Co., Wm. (Account; Cash; Engineers' Field; Invoice; Letter Copying; Memorandum; Pass; Receipt; Sales; Scrap; Check; Draft) .....AA  
 Murphy & Sons' Co., W. F. (Account) .....AA  
**PA.—Roaring Spring**  
 Roaring Spring Blank Book Co. (Account) .....A  
**R. I.—Providence**  
 Hall Co., J. C. (Manifold; Order; Repeating; Check; Draft) .....B  
**TENN.—Nashville**  
 Marshall & Bruce Co. (Account) .....A  
**VT.—Post Mills**  
 Chubb Rod Co., T. H. (Fly; Tackle) .....A  
**VA.—Glenallen**  
 Cussons, May & Co. (Advertising; Memorandum) .....B  
**WIS.—Milwaukee**  
 Razall Mfg. Co., H. G. (Account; Letter Copying) .....B  
 Sentinel Co. (Account) .....AA

**BOOSTERS**

**N. J.—Ampere**  
 Crocker-Wheeler Co. (Electric) .....A  
**N. Y.—Watertown**  
 Eager Electric Co. (Electric) .....D  
**PA.—Pittsburg**  
 Westinghouse Elec. Mfg. Co. (Elec. R. R.) .....AAAA

## BOOTHS

**IND.—Peru**  
Brownell, Chas. H. (Telephone) .....A  
**MO.—St. Louis**  
Wabash Woodworking Co. (Exhibit) .....C  
**N. Y.—Jamestown**  
Fenton Metallic Mfg. Co. (Booths: Voting) .....A  
**New York City**  
American Steel House Co., 796 11th Av. (Steel; Wood; Election) .....D  
Glaser, Rohrer & Co., 727 1st Av. (Exhibition)....D  
**OHIO—Cleveland**  
Forest City Steel & Iron Co. (Steel; Wood; Election).A  
Van Dorn Iron Works Co. (Wood; Steel; Election) AA  
**OHIO—Columbus**  
Columbus Bar Fixture Co. (Telephone) .....C  
**OHIO—Toledo**  
Yesbera Mfg. Co. (Telephone) .....B  
**PA.—Marietta**  
Penna. Construction Co. (Wood; Steel; Election).A  
Penna. Electric Co. (Wood; Steel; Election) .....B

## BOOTS

See also Boots & Shoes

**CONN.—Hartford**  
Stalker Mfg. Co. (Horse Interfering) .....E  
**ILL.—Chicago**  
Allis-Chalmers Co., Home Ins. Bldg. (Elevator) AAAA  
Borden & Selleck Co., 48 Lake (Elevator) .....B  
Caldwell & Son Co., 17th & Western Av. (Elevator).A  
Skillin & Richards Mfg. Co., 147 Fulton (Elevator)...C  
Weller Mfg. Co., 118 E. North Av. (Elevator)...A  
**ILL.—Marseilles**  
Marseilles Mfg. Co. (Elevator) .....A  
**IND.—Indianapolis**  
Nordyke & Marmon Co., 1101 W. Norris (Elevator) AAA  
**IND.—Mishawaka**  
Dodge Mfg. Co. (Elevator) AAA  
**IND.—Seymour**  
Hide & Leather Co. (John F. Shiel) (Horse Interfering) E  
**KY.—Newport**  
Higgins Mfg. Co. (Vehicle) A  
**MD.—Baltimore**  
Poole & Son Co., Robert, 233 E. German (Elevator)...A  
**MASS.—Beverly**  
Carter Co., J. F. (Oiled; Wagon) .....D  
**MICH.—Detroit**  
Buhl Malleable Co., Wight & Adair (Elevator) ....A  
**MINN.—Minneapolis**  
Minn. Steel & Machinery Co. (Elevator) .....A  
**N. Y.—Watervliet**  
Covert Mfg. Co. (Interfering Horse) .....A  
**OHIO—Canton**  
Aultman Co. (Elevator)...A  
**OHIO—Cincinnati**  
Monarch Carriage Goods Co. (Vehicle) .....B  
**OHIO—Cleveland**  
Bartlett & Snow Co., C. O., French (Elevator) ....B  
**OHIO—Columbus**  
Case Mfg. Co. (Elevator) AA  
Jeffrey Mfg. Co. (Elevator) AA  
**OHIO—Springfield**  
Rogers Iron Co. (Vehicle).C  
**OHIO—Toledo**  
Kroh Co., C. Z. (Vehicle).E

## BOOTS (Con.)

**PA.—Pittsburg**  
Nease, McLean & McGinness (Vehicle) .....A  
**PA.—South Bethlehem**  
Bethlehem Foundry & Machine Co. (Elevator)....C  
**WIS.—Oudaky**  
Power & Mining Machinery Co. (Elevator) .....AAA  
**WIS.—Milwaukee**  
Chain Belt Co., 766 Park (Elevator) .....B  
Grotenrath, Fred, 111 W. Water (Elevator) .....E

## BOOTS & SHOES

**CAL.—San Francisco**  
Buckingham & Hecht (Men's; Women's; Boys') AA  
Cahn, Nickelsburg & Co..A  
Nolan, Hewes, George Co. (Men's; Boys'; Youths'; Women's; Childrens')...B  
Rosenthal, Feder & Co....A  
**COLO.—Denver**  
Dunn Shoe & Leather Mfg. Co. ....B  
**CONN.—Beacon Falls**  
Beacon Falls Rubber Shoe Co. (Rubber) .....A  
**CONN.—Naugatuck**  
Goodyear's Metallic Rubber Shoe Co. ....AAAA  
**CONN.—South Norwalk**  
Lounsbury, Matthewson & Co. ....AA  
Lounsbury & Soule (Women's; Misses'; Childrens') B  
**GA.—Gainesville**  
Everett, Ridley, Ragan & Co. (Men's; Women's; Boys') .....AAAA  
Smith Mfg. Co., J. A....B  
**ILL.—Chicago**  
Columbia Overgarters & Leggings Co. ....C  
Edwards, Stanwood Shoe Co. A  
Florsheim & Co. (Men's)...A  
Mullin, John & Son....B  
Phelps, Dodge & Palmer Co. (Brogans) .....A  
Seltz, Schwab & Co. (Brogans) .....AAAA  
Smith & Sons Co., R. B. (Brogans) .....AA  
Smith Shoe Co., J. P....A  
Smith-Wallace Shoe Co. (Felt) .....A  
Tilt Shoe Co., J. E....A  
Wells & Co., M. D. (Brogans) .....AA  
**ILL.—De Kalb**  
Wells Co., M. D....AAAA  
**ILL.—Dixon**  
Watson-Plummer Shoe Co. (Men's; Women's; Childrens' Welts) .....A  
**ILL.—Elgin**  
Seltz, Schwab & Co....AAAA  
**ILL.—Gibson**  
Gibson Shoe Mfg. Co. (Men's; Boys') .....B  
**ILL.—Pontiac**  
Pontiac Shoe Mfg. Co. (Women's; Misses'; Childrens') .....A  
**IND.—Mishawaka**  
Beatty Felting Co. (Felt Boots; Shoes; Slippers).C  
Mishawaka Woolen Mfg. Co. (Wool; Rubber) .....AA  
**IOWA—Ft. Dodge**  
Green-Wheeler Shoe Co. (Women's) .....B  
**IOWA—Grinnell**  
Morrison, McIntosh & Co. (Sheepskin Footwear)...B  
**IOWA—Keokuk**  
Huiskamp Bros. Co. (Men's; Women's; Misses'; Childrens') .....AA  
**IOWA—Webster**  
Northwestern Felt Shoe Co. (Felt) .....B  
**KY.—Louisville**  
Conrad Rawls Shoe Co. (Women's; Misses'; Chil-

**BOOTS & SHOES (Con.)**  
 drens') ..... B  
**LA.—New Orleans**  
 Keiffer Bros. (Men's; Boys';  
 Women's) ..... A  
 Montelone, A. .... AA  
 Rosenberg, B. & Son (Men's)  
 A  
**MAINE—Auburn**  
 Cushman Co., Ara (Men's)  
 AA  
 Dingley-Foss Shoe Co.  
 (Men's) ..... A  
 Foss, Packard & Co. (&  
 Brogans) ..... AA  
 Parker & Peakes Co. (Men's;  
 Boys') ..... A  
**MAINE—Bangor**  
 Buck & Co., E. A. (Explor-  
 ers'; Prospectors'; Mocca-  
 sins) ..... F  
 Sawyer Boot & Shoe Co.  
 Lumbermens' Boot & Shoe  
 Moccasins) ..... B  
**MAINE—Calais**  
 St. Croix Shoe Co. .... B  
**MAINE—Eastport**  
 Holmes, E. A. F. A. .... B  
**MAINE—Freeport**  
 Cumberland County Shoe Co.  
 (Men's; Boys') ..... B  
 Shaw & Co., A. W. (Men's)  
 B  
**MAINE—Gardiner**  
 Commonwealth Shoe &  
 Leather Co. .... A  
**MAINE—Hallowell**  
 Johnson Bros. Shoe Mfg. Co.  
 A  
**MAINE—New Sharon**  
 Harding & Jordan Shoe Co.  
 (Men's; Boys') ..... B  
**MAINE—Norway**  
 Spinney & Co., B. F.  
 (Women's) ..... AAA  
**MAINE—Portland**  
 Berry Shoe Co., A. H.  
 (Women's) ..... A  
 Cox & Son, A. F. (Women's  
 Misses' Dongola) ..... A  
**MAINE—Springvale**  
 Usher & Son Shoe Co., W. R.  
 (Boys'; Youths') ..... B  
**MD.—Baltimore**  
 Baltimore Boot & Shoe Mfg.  
 Co. .... A  
 Carroll Shoe Co., John A.  
 (Women's) ..... B  
 Colmary & Co., A. H.  
 (Women's; Misses') ..... A  
 Dixon-Bartlett Co. .... B  
 Helser, Vanneman Mfg. Co.  
 B  
 Hess & Bro., N. (Men's) B  
**MASS.—Avon**  
 Littlefield, L. G. (Men's;  
 Boys') ..... B  
**MASS.—Beverly**  
 Millett, Woodbury & Co.  
 (Men's; Women's; Misses'  
 Childrens'; Warm) ..... B  
**MASS.—Boston**  
 American Rubber Co. (Rub-  
 ber) ..... AAAA  
 Boston Rubber Shoe Co.  
 (Rubber) ..... AAAA  
 Burt & Co., Geo. H. (Brog-  
 ans) ..... C  
 Coffin & Co., C. A. .... AAAA  
 Davis Boot & Shoe Co.  
 (Felt) ..... AA  
 Herman & Co., Jos. M.  
 (Brogans) ..... A  
 Hood Rubber Co. (Rubber)  
 Mawhinney Co., H. H. .... B  
 Moulton & Co., Chas. H.  
 (Brogans) ..... AA  
 Norman & Bennett ..... B  
 O'Connell & Sons, John  
 (Brogans) ..... AA  
 Plant Co., Thos. G. (Wom-  
 en's) ..... AAAA  
 Rice & Hutchins (Men's;  
 Boys'; Childrens') ..... AAAA  
**MASS.—Bridgewater**  
 McElwain & Co., W. H.  
 (Men's; Boys') ..... A  
**MASS.—Brockton**  
 Barry & Co., T. D. (Men's  
 Welts) ..... A  
 Churchill & Alden Co. .... B  
 Douglas Shoe Co., W. L.  
 (& Brogans) ..... AAAA

**BOOTS & SHOES (Con.)**  
 Eaton & Co., Chas. A.  
 (Men's) ..... B  
 Field Co., D. W. .... B  
 Grover & Co., R. B. .... A  
 Howard & Foster (Mens'  
 Welts) ..... C  
 Kingman & Co., F. C.  
 (Men's; Boys') ..... B  
 Packard & Field (Men's) A  
 Parker & Lewis ..... B  
 Reynolds & Co., L. M.  
 (Men's; Boys') ..... B  
 Slater & Morrill Co. .... B  
 Snow, Geo. G. (Men's) AA  
 Stacy, Adams & Co. (Men's)  
 A  
 Taylor & Co., E. E. .... B  
 White & Co., Frank E. AA  
**MASS.—Brookfield**  
 Moulton & Co., Chas. H. A  
**MASS.—Campello**  
 Churchill & Alden Co. .... B  
 Grover & Co., R. B. .... A  
 Keith, E. & L. C. (& Bro-  
 gans) ..... AAAA  
 Keith & Co., Geo. E.  
 (Men's; Women's; Boys')  
 AA  
 Keith Shoe Co., Preston B.  
 (Men's) ..... A  
**MASS.—Chelsea**  
 Bartels, Thelan & Co. (Wom-  
 en's; Misses'; Childrens')  
 A  
 Wright & Co., A. E. .... B  
**MASS.—East Weymouth**  
 Clapp & Co., Edwin ..... A  
 Dizer & Co., M. C. .... A  
 Strong & Garfield Co.  
 (Men's) ..... A  
**MASS.—Everett**  
 Andrews & Co. (Women's;  
 Misses'; Childrens') .... B  
**MASS.—Fitchburg**  
 Dickinson & Co., E. M.  
 (Misses'; Childrens';  
 Boys') ..... A  
**MASS.—Gloucester**  
 Fuller & Co., Chas. S.  
 (Cape Ann Shoe Co.)  
 (Women's; Misses'; Chil-  
 drens') ..... A  
**MASS.—Haverhill**  
 Bennett & Co. .... B  
 Chesley & Rugg (Women's;  
 Men's) ..... B  
 Chick Bros. (Women's;  
 Misses'; Men's; Boys';  
 Youths' & Childrens') A  
 Durgin & Son, J. H. .... A  
 Fox, Chas. K. (Low Cut) B  
 Gale Shoe Mfg. Co. (Wom-  
 en's; Misses'; Chil-  
 dren's) ..... B  
 Kimball, W. & V. O. .... B  
 Lynch, J. A. .... B  
 Porter, Howard L. (Wom-  
 en's; Slippers; Sandals  
 & Ties) ..... B  
 Russ Co., John W. (Men's)  
 A  
 Spaulding & Co., W. W.  
 (Boots; Shoes & Slippers)  
 A  
 Thayer, Maguire & Field  
 (Women's Slippers) .... A  
 Webster, Ira J. (Women's;  
 Boots; Shoes & Slippers)  
 B  
 Winchell & Co., J. H. .... A  
**MASS.—Hudson**  
 Apsley Rubber Co. (Rubber)  
 AA  
 Brett Co., C. M. .... B  
 Brigham, F. & Gregory Co.  
 (Women's; Men's; Boys';  
 &c.) ..... A  
 Jefts Co., L. T. .... B  
**MASS.—Lowell**  
 Stover & Bean (Men's; Satin  
 & Kangaroo; Women's;  
 Glove Grain & Kangaroo)  
 B  
**MASS.—Lynn**  
 Aborn & Co., C. H. (Wom-  
 en's; Boots & Oxfords)  
 B  
 Burt & Co., E. W. (Men's  
 & Women's) ..... B  
 Burt & Co., Geo. H. .... B  
 Creighton & Son, G. A. .... B  
 Donovan & Co., D. A. .... A  
 Faunce & Spinney (Wo-

**BOOTS & SHOES (Con.)**  
 men's; Misses' & Children's) .....AAA  
 Grover's Sons, J. J. (Women's Hand Sewed)....B  
 Hennessey & Thompson..B  
 Herrick & Co., G. W. (Women's Shoes & Oxfords).B  
 Hoag & Walden (Women's) B  
 Johnson & Co., Luther S. (Slippers) .....AA  
 Leonard Shoe Co. ....B  
 Little & Co., A. E. ....A  
 Luddy & Currier (Women's & Children's).....B  
 Phelan & Sons, James...AA  
 Porter & Son, William...A  
 Seymour & Jackson.....A  
 Smith Co., A. F. ....B  
 Thomas, J. B., & Tarr (Misses' & Children's) AA  
 Walton & Logan Co. (Boys') B  
 Welch & Landregan.....A  
 Williams, Clark & Co....A  
 Worthly, M. J. ....A  
**MASS.—Marlboro**  
 Frye Shoe Co., John A...A  
 Howe Shoe Co., S. H. (Men's & Women's, &c.) AA  
 O'Connell & Sons, John...AA  
**MASS.—Middleboro**  
 Leonard & Barrows....AA  
**MASS.—Milford**  
 Huckins, Temple & Wood..A  
 Milford Shoe Co. (Men's).B  
**MASS.—Millis**  
 Herman & Co., Joseph M..B  
**MASS.—Natick**  
 Walcott & Co., J. W....A  
**MASS.—Newburyport**  
 Burley & Stevens.....A  
 Cole & Co., B. E. ....AA  
 Dodge Bros. (Women's; Slippers; Shoes & Boots) AA  
**MASS.—North Abington**  
 Arnold & Co., M. N. (Men's) .....AA  
 Crossett, Lewis A. (Men's) A  
**MASS.—North Adams**  
 Fairfield, Millard & Co. .A  
 Millard & Co., N. L. ....B  
 Brown & Co., H. H. ....B  
**MASS.—North Brookfield**  
 Brown & Co., H. H. ....B  
**MASS.—North Grafton**  
 Nelson & Son Shoe Co., J. S. (Men's; Youths'; Boys') B  
**MASS.—Oxford**  
 Joslin Co., A. L. ....AA  
**MASS.—Roxbury**  
 Simmons & Hall Shoe Co. (Men's) .....B  
**MASS.—Salem**  
 Brown & Sons, J. (Misses' & Children's) .....A  
 Dane & Co., Joseph A. (Misses' & Children's).A  
 Field Shoe Co., P. O. (Women's) .....B  
 Fuller & Co., C. S. (Boys') B  
 Lefavor & Co., D. D. (Misses' & Children's).A  
 Straw & Co., L. G. ....B  
 Woodbury & Co., E. S. (Misses' & Children's).A  
**MASS.—South Natick**  
 Pfeiffer & Co., Wm. F...B  
**MASS.—Spencer**  
 Jones & Co., E. ....AAA  
 Prouty & Co., Isaac (Men's; Boys') .....A  
**MASS.—Ward Hill**  
 Knipe Bros. (Men's Shoes & Slippers) .....B  
**MASS.—Webster**  
 Corbin & Sons Co., B. A. (Men's; Boys'; Youths'; Little Men's; Women's).B  
**MASS.—Westboro**  
 Brigham & Sons, Geo. B. (Men's & Youths').....B  
**MASS.—Whitman**  
 Commonwealth Shoe & Leather Co. (Men's)...AA  
**MASS.—Worcester**  
 Bay State Shoe & Leather

**BOOTS & SHOES (Con.)**  
 Co. (Men's Brogans)...AA  
 Heywood Boot & Shoe Co. (Men's & Boys' Welts).B  
 Worcester Supply Co. (Women's, Misses' & Children's Felt Slippers; Felt & Leather Soles) .....B  
**MICH.—Cairo**  
 Lacy Shoe Co. ....B  
**MICH.—Detroit**  
 Snedcor & Hathaway Co. (Men's & Boys').....AA  
**MICH.—Grand Rapids**  
 Grand Rapids Felt Boot Co. (Wool; Felt; Knit & Rubber) .....B  
 Herold-Bertsch Shoe Co. (Men's; Boys'; Misses' & Children's) .....A  
 Rindge, Kalmbach, Logie & Co. (Men's; Boys'; Women's; Misses' & Children's) .....A  
**MASS.—Northville**  
 Rodgers Shoe Co. (Succ. to Fisk & Thomas) .....A  
**MINN.—Anoka**  
 North Star Shoe Co. (Men's; Boys') .....AA  
**MINN.—Duluth**  
 Duluth Shoe Co. (Men's; Boys' & Lumbermen's Gds.) .....A  
**MINN.—Minneapolis**  
 Grimsrud Shoe Co. ....B  
 North Star Shoe Co....AA  
**MINN.—Red Wing**  
 Foot & Co., S. B. ....A  
**MINN.—St. Paul**  
 Foot, Schulze & Co. (General line) .....AAA  
 Gotzian & Co., C. (Minnesota Shoe Co.) .....AA  
 Sharood Shoe Co. (Men's; Boys'; Women's; Misses' & Children's Shoes & Slippers) .....A  
**MINN.—Stillwater**  
 Jordan Co., W. B. & W. G. A  
**MINN.—Winona**  
 Williams, E. W. (General Line) .....B  
**MO.—Kansas City**  
 Barton Bros. (Men's) ....A  
**MO.—St. Joseph**  
 Noyes, Norman & Co. (Men's) .....A  
**MO.—St. Louis**  
 Brown Shoe Co. (Men's; Women's; Boys'; Misses' & Children's) .....AAAA  
 Courtney Shoe Co. ....AA  
 Dittman Boot & Shoe Co., Geo. F. (Women's; Misses' & Children's) .....AAA  
 Friedman Bros. Shoe Co. (Men's; Women's; Boys' & Children's) .....AAA  
 Giesecke-D'Oench-Hayes Shoe Co. (Men's; Women's; Boys'; Misses' & Children's) .....AAA  
 Goodfellow Shoe Co. (Women's; Misses' & Children's) .....A  
 Hamilton Brown Shoe Co. (Men's; Boys'; Women's; Misses'; Children's)AAAA  
 Johansen Bros. Shoe Co. (Women's) .....A  
 La Prolle Shoe Co....AAA  
 Meier Shoe Co., John....B  
 Mound City Boot & Shoe Co. ....A  
 Peters Shoe Co. (Men's & Women's) .....AA  
 Roberts, Johnson & Rand Shoe Co. (Men's; Women's; Misses' & Children's) .....AAA  
 Tennent Shoe Co. ....AA  
 Ver Steeg Shoe Co. (Women's; Misses'; Boys' & Children's) .....A  
 Wertheimer-Swarts Shoe Co. (Men's & Women's).AAA  
**NEB.—Omaha**  
 Kirkendall & Co., F. P. (Men's) .....AA  
**N. H.—Dover**  
 Hurd & Son, John H....B  
**N. H.—Exeter**

**BOOTS & SHOES (Con.)**

Gale Bros. ....A  
**N. H.—Farmington**  
 Aldrich & Co., C. E. ....B  
 Cloutman & Co., J. F. (Women's; Misses' & Children's) ....B  
 Farmington Shoe Co. (Men's) ....B  
**N. H.—Keene**  
 Lancaster Shoe Co., C. B. (Women's; Misses'; Children's) ....A  
**N. H.—Littleton**  
 Littleton Shoe Co. (Men's; Boys') ....B  
**N. H.—Manchester**  
 Crafts, G. P. (Men's; Boys'; Little Men's) ....A  
 Eureka Shoe Co. (Men's; Boys') ....B  
 Green & Co., C. E. (Women's; Misses' & Children's; McKay sewed) .A  
 Holt Shoe Co., F. M. (Men's; Boys') ....A  
 Kimball Bros. Shoe Co. (Women's & Children's) ....A  
 Reed & Co., H. B. ....A  
**N. H.—Nashua**  
 Brackett & Co., W. D. ....AAA  
 Estabrook-Anderson Shoe Co. ....AAA  
**N. H.—Portsmouth**  
 Portsmouth Shoe Co. ....AA  
**N. H.—Rochester**  
 Perkins, Linscott & Co. (Men's; Boys') ....A  
 Wallace, E. G. & E. ....AAA  
**N. H.—Somersworth**  
 Houghton, Hebard & Warren .A  
**N. H.—West Derby**  
 Perkins, Hardy & Co. (Women's; Misses' & Children's) ....B  
 Pillsbury, W. S. & R. W. (Women's; Misses' & Children's) ....A  
**N. J.—Burlington**  
 Budd Shoe Co., J. F. (Misses'; Children's; Infants') ....A  
 Wood & Co., R. T. (Women's; Misses'; Infants' & Children's) ....A  
**N. J.—Lambertville**  
 Lambertville Rubber Co. (Rubber) ....B  
**N. J.—Newark**  
 Banister & Co., James A. (Men's; Boys'; Boots; Shoes & Slippers) ....B  
 Dorsch & Sons Shoe Mfg. Co., Wm. ....B  
 Hogan Shoe Mfg. Co., E. E. (Women's) ....B  
 Johnston & Murphy ....B  
 Peters Harness & Saddlery Co. (Horse) ....O  
**N. J.—Newton**  
 Merriam Shoe Co., H. W. (Women's; Misses'; Infants'; Children's; Boys' & Youths') ....A  
**N. J.—Vineland**  
 Chandler, D. Harry (Women's; Misses'; Children's) ....B  
 Keighley & Sons, Chas. ....A  
**N. Y.—Brookport**  
 Moore-Shafer Shoe Mfg. Co. (Women's) ....B  
**N. Y.—Buffalo**  
 Strootman, John (Women's; Misses' & Children's) ....A  
**N. Y.—Dolgeville**  
 Green Felt Shoe Co., Daniel (Shoes & Slippers) ....B  
**N. Y.—Elmira**  
 Richardson & Co. ....A  
**N. Y.—Endicott**  
 Endicott-Johnson Co. (Men's Goodyear Welts) ....B  
**New York City**  
 Baker & Sons, Geo. (Women's; Misses' & Children's) ....B  
 Blynn & Sons, I. ....A  
 Burt Co., Edwin C. (Women's) ....B  
 Cohen & Sons, B. (Oxfords; Slippers) ....B  
 Cousins, J. & T. (Women's;

**BOOTS & SHOES (Con.)**

Boots; Low Outlets; Slippers) ....A  
 Dix Shoe Mfg. Co., Robert (Spring Heel Co.) ....A  
 Garside & Sons, A. ....A  
 Green & Co., Daniel (Felt) .A  
**Hanan & Son** ....AAA  
 Latteman Shoe Mfg. Co., John J. ....B  
 Parsons & Co., James (Men's & Women's) ....B  
 Ryan & Sons, Maurice ....B  
 Strohbeck, Chas. W. (Women's; Misses'; Children's Welts & Turns) .B  
 Thomas & Co. ....A  
**N. Y.—Poughkeepsie**  
 Hine & Lynch (Men's) ....B  
**N. Y.—Rochester**  
 Armstrong & Co., D. (Women's) ....B  
 Dugan & Hudson Co. (Boys' & Girls') ....B  
 Ford & Co., C. P. (Women's; Misses'; Children's) ....B  
 Jenkins Co., J. W. (Women's) ....B  
 Kelly, John (Women's) .B  
 Moleney Bros. Co. (Women's; Misses'; Children's Shoes & Slippers) .B  
**Newcomb, S. K.** ....B  
 Reed & Co., E. P. (Women's) ....A  
 Uix & Dunn (Women's; Misses'; Children's) ....A  
 Williams, Hoyt & Co. (Misses'; Children's; Infants') ....B  
 Wright, Peters & Co. ....A  
**N. Y.—Syracuse**  
 Fink's Sons, A. (Infants'; Children's; Misses) ....B  
 Gray's Son, H. H. (Women's) ....B  
 Nettleton, A. E. (Men's) .A  
 Syracuse Shoe Mfg. Co. (Women's Shoes & Oxfords) .B  
**N. C.—Elkin**  
 Elkin Shoe Co. ....B  
**OHIO—Canton**  
 Gilliam Mfg. Co. (Horse) .A  
**OHIO—Cincinnati**  
 Bering & Co. (Women's Shoes & Oxfords) ....A  
 Duttonhofer Sons Co., Val (Women's) ....A  
 Gerstle & Co., G. ....B  
 Helmers, Beltman & Co. .B  
 Julian & Kokenge Co. (Women's) ....A  
 Krippendorf & Dittman Co. ....AAA  
 Krohn, Fechheimer & Co. (Women's) ....AAA  
 Manss Shoe Mfg. Co. (Men's) ....A  
 Plaut & Marks Shoe Mfg. Co. (Women's; Misses'; Children's) ....B  
 Sachs Shoe Mfg. Co. (Women's) ....A  
 Stern, Auer & Co. ....B  
 Sullivan & Co., P. (Women's) ....B  
 Wolf Bros. & Co. (Women's) .B  
**OHIO—Cleveland**  
 Pierce & Co., S. L. ....A  
**OHIO—Columbus**  
 C. & E. Shoe Co. (Women's; Misses'; Children's; Boys) ....A  
 Godman Co., H. C. (Men's; Boys'; Women's; Misses'; Children's) ....AAA  
 Wolfe Bros. Shoe Mfg. Co. .AA  
**OHIO—Lancaster**  
 Fairfield Shoe Co. (Men's; Boys') ....AAA  
 Getz Shoe Mfg. Co., A. .AAA  
**OHIO—Portsmouth**  
 Drew Co., Irving (Women's; Misses'; Children's) ....B  
 Drew Co., Shelby (Women's) .AAA  
 Excelsior Shoe Co. (Men's; Boys'; Youths') ....A  
 Heer Shoe Co. (Women's &

**BOOTS & SHOES (Con.)**

**MISSSES** .....A  
**PA.—Allentown**  
 Allentown Shoe Mfg. Co.  
 (Boys'; Old Ladies' Silp-  
 pers, &c.) .....B  
**Leh & Co., H.** (Men's;  
 Boys'; Women's; Misses';  
 Children's) .....AAA  
**Lehigh Valley Shoe Co.**  
 (Boys') .....A  
**Roney & Berger** (Youths';  
 Misses'; Children's & In-  
 fants') .....B  
**PA.—Carlisle**  
 Carlisle Shoe Co. ....A  
**PA.—Chambersburg**  
 Chambersburg Shoe Mfg. Co.  
 (Women's) .....B  
**PA.—Hanover**  
 Sheppard & Myers Co.  
 (Men's) .....B  
**PA.—Harrisburg**  
 Bay Shore Co. ....B  
 Harrisburg Boot & Shoe  
 Mfg. Co. (Women's;  
 Misses'; Children's) ...AA  
**PA.—Honesdale**  
 Durland-Thompson Shoe Co.  
 (Men's; Boys'; also Bro-  
 gans) .....AA  
**PA.—Millersburg**  
 Johnson, Bailie Shoe Co. B  
**PA.—Orwigsburg**  
 Albright & Co., H. S. (Little  
 Men's; Misses'; Chil-  
 dren's) .....A  
**PA.—Palmyra**  
 Kreiders' Sons, W. L. (In-  
 fants'; Misses'; Chil-  
 dren's) .....B  
**PA.—Philadelphia**  
 Croxton, Wood & Co. (Wo-  
 men's; also Brogans) ...AA  
**Elkins & Co., M.** (Brogans)  
 D  
**Hallahan & Sons** (Women's)  
 B  
**Laird, Schober & Co.** ....A  
**McBrearty, John** .....B  
**Smaltz Goodwin Co.** ....B  
**Ziegler Bros.** (Women's;  
 Misses'; Children's) ...AA  
**PA.—Reading**  
 Curtis-Jones Co. (Children's  
 Turned) .....AA  
**PA.—Towanda**  
 Tracy, Chas. L. (Men's;  
 Boys'; also Brogans) ...B  
**PA.—Watson town**  
 Watson town Boot & Shoe  
 Co. (Lumbermen's) ....C  
**PA.—Williamsport**  
 Lycoming Rubber Co. (Rub-  
 ber) .....AAA  
**R. I.—Providence**  
 Banigan Rubber Co., Jos.  
 (Rubber) .....AAA  
**Bourn Rubber Co.** (Rubber)  
 B  
**R. I.—Woonsocket**  
 Woonsocket Rubber Co.  
 (Rubber) .....AAAA  
**TENN.—Memphis**  
 Carruthers Jones Shoe Co. A  
**TENN.—Nashville**  
 Carter & Co., J. W. ....A  
**TEXAS.—Dallas**  
 Padgett Bros. Co. (Boot &  
 Shoe Uppers) .....A  
**UTAH.—Salt Lake**  
 Zions Co-operative Merc. In-  
 stitution (Men's; Boys';  
 Youths'; Women's; Misses  
 & Children's) .....AAAA  
**VA.—Lynchburg**  
 Witt Shoe Co., Geo. D. ....A  
**WIS.—Beloit**  
 Foster Co., John (Women's)  
 B  
**WIS.—Eau Claire**  
 Cutter, A. A. (Lumbermen's  
 & Miners') .....B  
**WIS.—Milwaukee**  
 Beals & Torrey Shoe Co. A  
**Bradley & Metcalf Co.**  
 (Men's, Boys', Women's;  
 Misses') .....AA  
**Mayer Boot & Shoe Co., F.**  
 AA  
**Rich Shoe Co.** (Women's) B  
**Schoenecker Boot & Shoe**  
 Co., V. (General Line) ...A  
**WIS.—Racine**  
 Miller Co., J. ....AA

**BORAX**

**CAL.—San Francisco**  
 Lillenthal & Co., Mission &  
 Beale (Crystal Powdered)  
 AAA  
**Pacific Coast Borax Co., 101**  
 Sansome (Refined).AAAA  
**COLO.—Denver**  
 Denver Fire Clay Co.  
 (Glass) .....AA  
**ILL.—Chicago**  
 Pacific Coast Borax Co. (Br.  
 San Francisco, Cal)AAAA  
**Thorkildsen & Co., T., Union**  
 Stock Yards .....E  
**NEV.—Boyer**  
 Anglo-American Borax Co.  
 E  
**NEV.—Reno**  
 Rose Valley Borax Co. ....F  
**N. Y.—Brooklyn**  
 Wiarda & Co., John C. (Cal-  
 cined Glass) .....AA  
**New York City**  
 Archibald & Lewis, 193  
 Front .....C  
**Baker & Bro., H. J., 100**  
 William (Refined) ....AA  
**Calm & Bro., M., 41 Warren**  
 AA  
**Croton Chemical Co., 20**  
 Cedar (Refined) .....A  
**Feuchtwanger, & Co., L., B**  
**Fuerst Bros. & Co., 2 Stone**  
 B  
**Jones Chem. Co., E. F., 51**  
 Jay .....C  
**Pacific Coast Borax Co., 100**  
 William (Refined) (Br.  
 San Fran., Cal.) AAAA  
**Pfizer & Co., Chas., 81**  
 Maiden Lane .....AAAA  
**PA.—Easton**  
 Baker & Adamson Chemical  
 Co. ....A

**BORDERS**

**ILL.—Chicago**  
 Barnhart Bros. & Spindler  
 (Printers') .....AA  
**MO.—Kansas City**  
 Kansas City Wire & Iron  
 Wks. (Wire; Garden) ...B  
**N. H.—Nashua**  
 Highton & Sons, Wm.  
 (Brass; Bronze) .....D  
**New York City**  
 Fiske Iron Works, J. W.  
 (Wire; Garden; Grave).D  
**Howard & Morse** (Wire;  
 Garden) .....D  
**OHIO.—Hamilton**  
 Meyers Mfg. Co., Fred. J.  
 (Wire; Garden) .....B

**BORERS**

See also Drills; Machinery

**CONN.—Hamden**  
 Hamden Mfg. Co. (Tap;  
 Bung hole) .....C  
**ILL.—Chicago**  
 Elmes Engineering Wks.,  
 Chas. F. (Bung hole) ...A  
**IND.—Anderson**  
 Buckeye Mfg. Co. (Carpent-  
 ers') .....A  
**Lambert Gas & Gasoline**  
 Engine Co. (Carpenters'  
 Hand) .....A  
**MASS.—Fiskdale**  
 Snell Mfg. Co. (Carpenters')  
 B  
**MASS.—Greenfield**  
 Reece Co., E. F. (Counter)  
 E  
**MASS.—Millers Falls**  
 Millers Falls Co. (Carpent-  
 ers') .....AA  
**MO.—St. Louis**  
 Heynson Tool & Supply Co.  
 (Bung) .....D  
**N. H.—Lebanon**  
 Hendrick & Davis (Counter)  
 A  
**N. J.—Newark**  
 Bernz. Otto, S. 13th c. S.  
 Orange Av. (Tap) .....B  
**Osborne & Co., C. S. (Tap;**  
**Bung hole)** .....B  
**N. Y.—Buffalo**  
 Holmes Machinery Co., E. &

**BORERS (Con.)**  
 B. (Bunghole) .....B  
 White Co., L. & I. J.  
 (Bunghole) .....A  
**New York City**  
 Jennings & Co., C. E. (Car-  
 penters'; Tap; Bunghole) .....D  
 Russell & Erwin Mfg. Co.,  
 47 Chambers (Bunghole) .....AAAA

**N. Y.—Troy**  
 Kellogg, W. P. (Carpent-  
 ers') .....X  
**OHIO—Cincinnati**  
 Fay & Egan Co., J. A.  
 (Wood Pipe; Post &  
 Pump) .....AAAA  
**OHIO—Cleveland**  
 Cleveland Twist Drill Co.  
 (Counter) .....A  
**OHIO—Toledo**  
 Baker Bros. (Car Wheel)...A  
**PA.—Philadelphia**  
 Enterprise Mfg. Co., 3rd &  
 Dauphin (Bunghole) .....AAAA

Stortz & Son, John, 210  
 Vine (Tap) .....F

## BORTS

**New York City**  
 American Diamond Rock  
 Drill Co. ....D  
 Dessau, S., 180 Bdway. ...C

## BOSSSES

**PA.—Philadelphia**  
 Chester Steel Castings Co. ....AAA

## BOTTLES

**CAL.—San Francisco**  
 San Francisco & Pacific  
 Glass Wks. (Green; Pre-  
 scription & Druggists')...X  
**ILL.—Alton**  
 Illinois Glass Co. (Green;  
 Prescription & Druggists') .....AAAA

**ILL.—Bellefonte**  
 Port Glass Works.....B

**ILL.—Chicago**

Burley & Co., 118 Wabash  
 Av. (Lettered Bar)....AA

Buttler Bros. (Prescription  
 & Druggists') .....X

Foster & Co., A. M., 120  
 Lake .....A

Horwich, B., 373 So. Canal  
 (Secondhand) .....E

Horwich Bros., 480 S. Canal  
 (Second Hand) .....E

Ward & Co., Montgomery  
 (Prescription & Drug-  
 gists') .....AAAA

Western Bottle Mfg. Co.,  
 208 Randolph .....B

**ILL.—Litchfield**

Litchfield Bottle Glass Co.  
 D

**ILL.—Streator**

Streator Bottle & Glass Co.  
 (Green) .....A

**IND.—Albany**

Model Fruit Glass Co. ....A

North Baltimore Bottle  
 Glass Co. ....A

**IND.—Anderson**

Anderson Flint Bottle Co. ....C

Anderson Glass Co. ....A

Pennsylvania Glass Co. (Pre-  
 scription & Druggists')...A

**IND.—Arcadia**

Raker Bros. Glass Co. ....B

**IND.—Cicero**

Modes-Turner Glass Co. ....A

**IND.—Dunkirk**

Maring, Hart & Co. (Flint;  
 Milk; Brandy; Packing) .....A

**IND.—Eaton**

Western Flint Glass Co.  
 (Brandy; Catsup) .....C

**IND.—Gas City**

Thompson Bottle Co. (Green  
 & Amber) .....B

**IND.—Greenfield**

Greenfield Fruit Jar &  
 Bottle Co. ....AAAA

**IND.—Hartford City**

Diamond Flint-Glass Co. ....E

Hartford City Flint-Glass

## BOTTLES (Con.)

Co. ....D

Sans Parlel Bottle Co. ....D

**IND.—Lapel**

Lapel Bottle Co. ....D

Lapel Flint Glass Co. ....C

Wilcox Glass Co. ....D

**IND.—Loogootee**

Lythgow Bottle Co. ....D

**IND.—Marion**

Marion Flint Glass Co. ....A

Marion Fruit Jar & Bottle  
 Co. ....AAA

**IND.—Muncie**

Ball Bros. Mfg. Co. (Green)  
 ....AAAA

Boldt Glass Co., Chas. (Br.  
 Cincinnati, O.) .....A

Hemingray Glass Co. ....A

**IND.—Parker**

Woodbury Glass Co. ....A

**IND.—Shirley**

Baker Bros. Glass Co. ....B

Banner Glass Co. ....D

Indiana Bottle Co. ....B

**IND.—Sims**

Sims Glass Co. ....D

Swoveland, A. F. ....F

**IND.—Summitville**

American Flint Bottle Co. D

Model Glass Wks. ....D

**IND.—Terre Haute**

Modes Turner Glass Co.  
 (Whiskey) .....A

North Baltimore Bottle  
 Glass Co. ....AA

Root Glass Co. ....B

Terre Haute Glass Mfg.  
 Co. ....B

**IND.—Upland**

Grant County Glass Co. ....D

Upland Co-operative Glass  
 Co. ....C

**IND.—Whealing**

Continental Bottle Co. ....E

**IND.—Wilkinson**

Snow Flint Glass Co. ....E

**IND.—Yorktown**

Skillin-Goodin Glass Co.  
 (Catsup; Condiment; Pre-  
 scription; Extract &  
 Pickles) .....E

**KY.—Covington**

Hemingway Glass Co.  
 (Green; Flint) .....A

**KY.—Louisville**

Louisville Bottle Mfg. Co.,  
 37th & Bank. ....E

**MD.—Baltimore**

Baker Bros. & Co. (Green;  
 Flint) .....A

Bonnert-Vogler Co. (Bar;  
 Barbers') .....H

Swindell Bros. (Green;  
 Flint; Prescription &  
 Druggists') .....A

**MASS.—Boston**

Dean, Foster & Co., 14  
 Blackstone .....B

Grossman & Co., E., 127  
 Broad .....D

**MO.—Brunswick**

Oslerman & Co., Wm. ....D

**MO.—St. Louis**

Busch Glass Mfg. Co., A.  
 Main & Dorcus. ....AA

Hill & Bro., E. B. 1541 No.  
 7th .....E

Obeare-Nestor Glass Co., 402  
 No. 3d .....B

St. Louis Glass & Queens-  
 ware Co. (Flint; Prescrip-  
 tion & Druggists') .....A

Thompson Bottle Co., Se-  
 curity Bldg. (Green)....B

**N. J.—Bridgeton**

Cumberland Glass Mfg. Co.  
 (Green) .....B

More-Jonas Glass Co.  
 (Green) .....X

**N. J.—Clayton**

Moore Bros. Glass Co.  
 (Green; Prescription &  
 Druggists') .....AA

**N. J.—Glassboro**

Whitney Glass Wks. (Green;  
 Flint; Prescription &  
 Druggists') .....AAA

**N. J.—Millville**

Whitall-Tatum & Co. (Drug-  
 gists'; Exact Measure)  
 ....AAAA

Wheaton Co., T. C. (Per-  
 fumery) .....B

**BOTTLES (Con.)**

**N. J.—Salem**  
Gaynor Glass Wks. (Green; Water) .....C  
**N. J.—Vineland**  
Capitol Glass Mfg. Co....B  
Vineland Flint Glass Mfg. Co. ....D  
**N. J.—Woodbury**  
Woodbury Glass Wks. (Green) .....D  
**N. Y.—Brooklyn**  
Williamsburg Flint Glass Co., 260 Boerum.....E  
**N. Y.—Buffalo**  
Wright & Co., R. G. (Prescription & Druggists') AA  
**N. Y.—Clyde**  
Clyde Glass Wks. (Green) O  
**N. Y.—Corning**  
Hawkes & Co., T. G. (Flint; Cologne) .....A  
**N. Y.—Lancaster**  
Lancaster Co-operative Glass Wks. ....C  
**N. Y.—Lockport**  
Lockport Glass Wks. (Green) .....B  
**New York City**  
Biesecker, John S., 59 Murray (Milk) .....C  
Boley Mfg. Co., 52 Cannon (Beer) .....D  
Brooke, John B., 86 Fulton (Milk) .....C  
Brookfield Glass Co. (Green) .....B  
Dorflinger & Sons, C. (Prescription & Druggists') D  
Gotham Co. (Green) .....D  
Hagerty Bros. & Co., 10 Platt (Green; Prescription & Druggists') .....A  
Mattson Rubber Co. (Green) B  
**N. Y.—Olean**  
Acme Glass Co. ....C  
Olean Glass Co. ....B  
**N. Y.—Port Jervis**  
Orange County Flint Glass Works (Caster) .....A  
**N. Y.—Potsdam**  
Thatcher Mfg. Co. (Green; Milk) .....A  
**N. Y.—Poughkeepsie**  
Poughkeepsie Glass Wks. (Green; Flint) .....A  
**N. Y.—Rochester**  
Reed & Co., F. E. (Rochester Glass Works) .....C  
**OHIO—Bellaire**  
Bellaire Bottle Co. (Flint; Prescription & Druggists') A  
**OHIO—Bridgeport**  
Crystal Glass Co. (Inc.) (Green) .....A  
**OHIO—Cincinnati**  
Tatum Co., Saml. C. (Green) .....B  
**OHIO—Clinton**  
Warwick Glass Co. ....D  
**OHIO—Fostoria**  
Fostoria Bulb & Bottle Co. D  
**OHIO—Lancaster**  
Ohio Flint Glass Wks. ....X  
**OHIO—Massillon**  
Massillon Bottle & Glass Co. ....B  
Massillon Glass Wks. (Reed & Co., Props.) .....A  
Rhodes Glass & Bottle Co. (Green; Beer) .....C  
Warwick Glass Co. ....D  
**OHIO—Newark**  
Helsey & Co., A. H. (Inc.) (Prescription & Druggists') .....A  
**OHIO—Toledo**  
Libbey Glass Co. (Prescription & Druggists') .....AA  
**OHIO—Zanesville**  
Kearns-Gorsuch Bottle Co. Mineral Water; Extract; Flint; Liquor; Prescription; Green; Beer; Patent Medicine; Pickle) .....B  
**PA.—Allentown**  
Allentown Flint Bottle Co. (Flint) .....C  
**PA.—Beaver Falls**  
Co-op. Flint Glass Co. ....A  
Merriman & Co., J. (Prescription; Druggists') .....A

**BOTTLES (Con.)**

**PA.—Bendersville**  
Allen Flint Glass Wks., Jno. AAA  
**PA.—Blainsville**  
Whitney Glass Co. ....X  
**PA.—Bradford**  
Berney Glass Co. ....D  
Bradford Flint Glass Bottle Co. (Flint) .....C  
**PA.—Condersport**  
Ladonia Glass Co. ....X  
**PA.—East Downingtown**  
Cohansey Glass Mfg. Co. AA  
**PA.—East Stroudsburg**  
Thomas Bros. (Flasks & Demijohns, Glass) .....F  
**PA.—Everett**  
Everett Glass Co. ....E  
**PA.—Everson**  
Pittsburgh Seamless Bottle Co. ....D  
**PA.—Jeannette**  
Jeannette Glass Co. ....D  
**PA.—Kane**  
Kane Flint Bottle Co. ....C  
McKee Bros. (Prescription; Druggists') .....B  
**PA.—McDonald**  
Warner Glass Co. (Citrate Magnesia; Panel; Prescription; Perfumery; Vaseline; Essential Oil; Morphine; Sterilizing; Nursing; Packing; Quinine; Tooth Powder; Sample Liquor & Oil; Soda Syrup; Tablet) .....D  
**PA.—Parkers Landing**  
Wightman Glass Co., Thos. F  
**PA.—Philadelphia**  
Burgin & Sons (Green; Flint) .....A  
Flaccus Glass Co., C. L., 224 No. 3d. ....A  
Fox & Sons, H. C. (Green; Prescription & Druggists') AA  
Hero Fruit Jar Co. (Green) AA  
Mason Fruit Jar Co. (Green) X  
Standard Flint Glass Wks. (Flint) .....X  
Whitall, Tatum & Co. (Green; Prescription & Druggists') .....AAAA  
Whitney Glass Works, 227 So. Front .....X  
**PA.—Pittsburg**  
American Glass Co. (Green) X  
Cunningham Glass Co., D. O. (Green) .....AA  
Cunningham & Co. (Ltd.) (Green) .....B  
Flaccus Glass Co., C. L. (Flint; Prescription & Druggists') .....A  
Hamilton, J. T. & A. (Green; Flint) .....A  
Hamilton Co., W. H. (Prescription & Druggists') A  
McCully & Co., Wm. (Green; Prescription & Druggists') AAA  
McKee & Bros. ....AAAA  
National Glass Co., Heeren Bldg. ....AAAA  
Pittsburg Seamless Bottle Co. ....D  
U. S. Glass Co. (Prescription & Druggists') AAAA  
Wightman Glass Co., Thos. (Green; Flint; Prescription & Druggists') .....AA  
Wormser Glass Co. (Prescription & Druggists') X  
Olean Glass Co. ....B  
**PA.—Redman Mills**  
American Glass Wks. (Ltd.) B  
**PA.—Rochester**  
Point Bottle Wks. (Ltd.) (Flint; Prescription & Druggists') .....D  
**PA.—Royersford**  
Diamond Glass Co. (Soda Water; Wine; Bitters; Druggists'; Beer; Medicine) .....B  
Newborn & Co., W. H. ...B  
**PA.—Sharpsburg**  
Tibby Bros. Glass Co. ....A



**BOTTLES (Con.)**

**PA.**—Smithport  
Hains Flint Bottle Co.  
(Flint) .....E  
**PA.**—Spring City  
Spring City Glass Wks.  
(Ltd.) .....C  
**PA.**—Uniontown  
Uniontown Flint Glass Co.  
F  
**PA.**—Washington  
Hazel Glass Co. (Flint;  
Prescription; Druggists).  
AAA  
**R. I.**—Providence  
Aetna Bottle & Stopper Co.,  
54 Peck .....D  
**S. C.**—Columbia  
Carolina Glass Co. ....X  
**TENN.**—Chattanooga  
Chattanooga Bottle & Glass  
Mfg. Co. ....C  
**VA.**—Richmond  
Southern Glass Co. ....C  
**W. VA.**—Lazearville  
Scott & Hektein (Flasks;  
Jars; Glass Fruit) .....D  
**W. VA.**—Wheeling  
Central Glass Wks. (Pres-  
cription; Druggists') ...A  
Hazel-Atlas Glass Co.  
(Snuff; Catsup; Ink; Oil;  
Olives; Vaseline) ..AAAA  
North-Wheeling Glass Co.  
(Flint) .....A  
**WIS.**—Milwaukee  
Franzen & Son, W., Lincoln  
Av. & Chase .....A

**BOTTLES****MISCELLANEOUS**

**CONN.**—New Haven  
Seamless Rubber Co. (Rub-  
ber Water) .....AA  
**ILL.**—Chicago  
Ritchie & Co., H. C.  
(Paper) .....A  
**MASS.**—Andover  
Tyer Rubber Co. (Rubber  
Water) .....B  
**MASS.**—Boston  
Davidson Rubber Co. (Rub-  
ber Water) .....A  
**N. J.**—Belleville  
Hardman Rubber Co. (Hot  
Water Rubber) .....A  
**New York City**  
American Hard Rubber Co.,  
9 Mercer St. (Rubber  
Water) .....AAAA  
Bishop Gutta Percha Co. 420  
E. 25th (Gutta Percha) B  
Cushman & Dennison, 240 W  
23rd (Muclage) .....C  
Eggers & Carlsen (Rubber  
Water) .....X  
Goodyear Rubber Co. (Rub-  
ber Water) .....AAAA  
Goodyear India Rubber  
Glove Mfg. Co. (Rubber  
Water) .....AAAA  
Hodgman Rubber Co., 806  
Bway (Rubber Water) AA  
India Rubber Comb Co.  
(Rubber Water) .....X  
Mechanical Rubber Co.  
(Rubber Water) ..AAAA  
Parker, Stearns & Sutton  
(Rubber Water) .....B  
**OHIO**—Akron  
Akron Rubber Works (B. F.  
Goodrich Co.) (Rubber  
Water) .....AAAA  
Faultless Rubber Co. (Rub-  
ber Nursing) .....AA  
**OHIO**—Cleveland  
Avery Stamping Co. (Steel)  
B  
**PA.**—Pittsburg  
National Tube Co. (Steel)  
AAAA  
**R. I.**—Providence  
Davol Rubber Co. (Rubber  
Water) .....AA  
**WIS.**—Racine  
Chicago Rubber Clothing Co.  
(Rubber Water) .....A

**BOTTOMS**

**CONN.**—Ansonia  
Ansonia Brass & Copper Co.

**BOTTOMS (Con.)**

(Copper) .....AAAA  
**CONN.**—Bridgeport  
Bridgeport Brass Co. (Cop-  
per) .....AA  
**CONN.**—Torrington  
Coe Brass Mfg. Co. (Cop-  
per) .....AAAA  
**CONN.**—Waterbury  
Randolph-Clowes Co. (Cop-  
per) .....AAA  
**IND.**—Indianapolis  
Nordyke & Marmon Co.  
(Bin) .....AAA  
**MASS.**—Taunton  
Taunton Copper Mfg. Co.  
(Copper) .....X  
**MASS.**—Worcester  
Hamblin & Russell Mfg. Co.  
(Wire Kettle) .....B  
**MO.**—St. Louis  
Kay-Pim Mfg. Co. (Bin) ..B  
**WIS.**—Kenosha  
Chicago Brass Co. (Copper)  
AA  
**WIS.**—Menasha  
Walbrun, A. (Chair) ....G

**BOUGIES**

New York City  
Fougera & Co., E., 30 No.  
William .....A

**BOWLING**

See Alleys

**BOWLS**

See Glassware; Tinware;  
Silverware; Woodenware;  
Pottery; Chinaware;  
Enamelled Ware, etc.

**CONN.**—Meriden  
Manning, Bowman & Co.,  
(Soup; Enamelled Sugar)  
AA  
**MO.**—St. Louis  
St. Louis Stamping Co.  
(Soup) .....AAAA  
**N. J.**—Burlington  
Stewart & Peterson Co. (Ice-  
ing; Chemists) .....A  
**N. Y.**—Brooklyn  
Cooper & McKee (Wooden)  
A  
**New York City**  
Cordley & Hayes (Bread) .A  
International Silver Co. (Sil-  
ver Plated; Ices; Sugar;  
Berry; Fruit, &c.) .AAAA  
Lalanc & Grosjean Mfg.  
Co. (Enamelled; Sugar)  
AAAA  
Mace & Co., L. H. (Wooden)  
B  
Stoutenborough, X. (Tin) .D  
**N. Y.**—Rome  
Rome Mfg. Co. (Sugar,  
Nickel Plated) .....B  
**OHIO**—Cleveland  
Avery Stamping Co. (Scotch;  
Forged Separator) ....B  
**VA.**—Richmond  
Richmond Cedar Wks.  
(Wooden) .....AAAA

**BOWS**

For Carriage, see Woodwork;  
Carriage; For Neck, see  
Neckwear

**IND.**—Fort Wayne  
Yergens & Son, Wm.  
(Buggy) .....D  
**IOWA**—Ft. Madison  
Iowa Farming Tool Co. (Ox)  
A  
**MD.**—Baltimore  
Sinclair-Scott Co. (Ox) ...E  
**MASS.**—Northampton  
Hyde, Andrew (Violin) ...D  
**MO.**—St. Louis  
Harris Mfg. Co., Loyd G.  
(Express) .....A  
**OHIO**—Cleveland  
American Fork & Hoe Co.  
(Ox) .....AAAA  
**PA.**—York  
Farquhar & Co., A. B. (Ox.)  
AAA

# BOXES: WAGON, ETC.

See Hardware; Carriage

# BOXES MISCELLANE- OUS

See also Ivory Goods; Leather Goods; Silverware, Cases; Jewelry.

# BOXES

Paper; Music; Wooden, etc., in Succeeding Lists. Ice Boxes, see Refrigerator; Clothing Boxes, see Furniture.

**CAL.—San Francisco**  
San Francisco Tool Wks. (Grindstone).....F  
Union Iron Wks. (Shaft).....AAAA

**COLO.—Denver**  
Zimmerhackel, Geo. (Cigar).....D

**CONN.—Ansonia**  
Gaylord Co., F. L. (Sand Street Car).....F

**CONN.—Bethel**  
Gilbert Bros. (Hat).....D

**CONN.—Hartford**  
Hart & Hegeman Mfg. Co. (Switch).....C

Hart Mfg. Co. (Switch).....C  
Hoadley, E. J. (Twine).....X  
Sterling Blower & Pipe Mfg. Co. (Galvanized & Steel Storage).....A

**CONN.—Meriden**  
Meriden Britannia Co. (Postage Stamp).....AAAA

**CONN.—New Britain**  
Brady, Thos. H. (Fuse & Junction; Arc Cut-Out).....C

Corbin Cabinet Lock Co. (Letter).....AA

Landers, Frary & Clark (Twine).....AAA

Stanley Rule & Level Co. (Mitre).....AAA

**CONN.—New Haven**  
Munson Co. (Bottle; Candle; Candy; Cigarette; Clothing; Flower; Ice Cream; Ointment; Paper Folding; Pin).....B

Natl. Folding Box & Paper Co. (Candy; Cigarette; Druggist; Ice Cream; Paper Folding; Pin; Hardware Telescope).....AAAA

New Haven Clock Co. Watchmen's Station.....AAA

**CONN.—Southington**  
Peck, Stow & Wilcox Co. (Twine).....AAAA

**CONN.—Stamford**  
Yale & Towne Mfg. Co. (Mail; Hallway Letter; Post Office).....AAAA

**CONN.—Torrington**  
Turner & Seymour Mfg. Co. (Twine).....A

Union Hdw. Co. (Electric Bell; Magneto).....AA

**CONN.—Wallingford**  
Wallace & Sons, R. (Powder; Match; Postage Stamp).....AAAA

**CONN.—Waterbury**  
Novelty Mfg. Co. (Salt & Pepper).....A

Scovill Mfg. Co. (Aluminum Tobacco & Match).....AAAA

**DEL.—Elmhurst**  
Diamond State Fibre Co. (Mill).....B

**DEL.—Wilmington**  
American Vulcanized Fibre Co. (Mill).....AAAA

Davis Pressed Steel Co. (Journal).....B

Garrett, Miller & Co. (Junction).....E

# BOXES (Con.)

**ILL.—Aurora**  
Vindex Electric Co. (Fuse).....H

**ILL.—Chicago**  
American Radiator Co., Lake & Dearborn (Valve or Service).....AAAA

Barbee Wire & Iron Wks. (Feed; Twine; Wire; Handkerchief).....B

Bealy & Co., C. (Tool).....AA

Central Electric Co., 266 5th Av. (District Call & Junction).....A

Clow & Sons, Jas. B., 344 Franklin (Valve or Service).....A

Crane Co., 10 N. Jeff. (Valve or Service).....AAAA

Creamery Package Mfg. Co. (Butter; Cheese).....AAAA

Cutler Hammer Mfg. Co. (Motor Starting).....X

Dick Co., A. B. (Document).....AA

Electric Appliance Co., 92 W. Van Buren (District Call).....B

Harvard Electric Co., 224 So. Clinton (Fuse).....E

Hewitt Mfg. Co., Monadnock Block (Journal).....B

Illinois Car & Equipment Co., Old Colony Bldg. (Journal).....X

Illinois Malleable Iron Co., 32 W. Monroe (Valve or Service; Roadway; Stop Cock).....AAAA

McCord & Co. (Journal).....D

Nicol & Co., 57 W. Washn. (Mail; Letter; Twine).....D

Payne Tapping Machine Co., 5991 Erie (Valve or Service).....X

Purcell & Co., N. F., 232 So. Clinton (Mail).....G

Railway Appliances Co., Old Colony Bldg. (Journal).....A

Tablet & Ticket Co. (Druggists').....B

Western Electric Co., 259 S. Clinton (Electric Call; Fuse; Mail; Resistance).....AAAA

Wilson & Co., F. Cortez (Fishing Tackle).....B

**ILL.—Decatur**  
Mueller Mfg. Co., H. (Valve or Service).....A

**ILL.—Elgin**  
Elgin Butter Tub Co., (Cheese).....A

**ILL.—Freeport**  
Arcade Mfg. Co. (Salt; Spice; Knife).....A

**ILL.—Joliet**  
Signal Mail Box Co. (Mail).....A

**ILL.—Quincy**  
Modern Iron Wks. (Valve or Service).....B

**ILL.—Rockford**  
Mechanics Machine Co. (Adjustable Shaft).....D

**ILL.—Sterling**  
Novelty Iron Wks. (Feed).....E

**IND.—Anderson**  
Anderson Fdry. & Machine Wks. (Annealing).....B

Natl. Wrought Iron Annealing Box Co. (Annealing).....B

**IND.—Elkhart**  
Lakon Co. (Fuse & Junction).....D

**IND.—Fort Wayne**  
Ft. Wayne Electric Corp'n (Cut-Out; Fuse; Resistance).....AAA

**IND.—Goshen**  
Kelly Fdry. & Machine Co. (Rural Mail).....A

**IND.—Indianapolis**  
Keyless Lock Co. (Document).....AAA

Sinker-Davis Co., 230 So. Missouri (Journal).....B

Tucker & Dorsey Mfg. Co. (Salt).....A

**IND.—Logansport**  
Dorner Truck & Fdry. Co. (Journal; Electric Car).....D

**BOXES (Con.)****IND.—Mishawaka**

Dodge Mfg. Co. (Shaft) AAA

**IND.—Wabash**Underwood Mfg. Co., H. C.  
(Dove-Tailed; Drill Bit;  
Family Medicine; Fancy;  
Medical Battery; Seed;  
Springs; Electric Bell;  
Storage Battery; Trans-  
mitter, Rubber Stamp). X**IOWA—Burlington**

Murray Iron Works Co.

(Hanger) ..... A

**IOWA—Clinton**

Smith &amp; Son, F. (Beer) .. C

**IOWA—Fairfield**Louden Machy. Co. (Grain  
Dump) ..... C**IOWA—Ottumwa**

Nicholls Mfg. Co. (Mitre) .. D

Great Western Mfg. Co.

(Journal) ..... AA

**LA.—New Orleans**Pelican Box Factory (Fruit;  
Packing) ..... D**MD.—Baltimore**

Poole &amp; Son Co., Robt., 233

E. German (Journal &  
Shaft; Clamp; Grindstone;  
Hanger; Wall) ..... A

Symington &amp; Co., T. R.

(Journal) ..... D

Viaduct Mfg. Co., 10 So.

Howard (Fire Alarm;  
District Call) ..... B**MASS.—Athol**Bates Bros. Co. (Mail; Let-  
ter) ..... B**MASS.—Boston**Anchor Electric Co. (Con-  
duit; Elec. Switch) .... XChase, Shawmut Co., 390 At-  
lantic Av. (Junction) .. BDennison Mfg. Co. (Drug-  
gists'; Wedding Cake;  
Jewelry) ..... AAAAElectric Gas Lighting Co.,  
195 Devonshire (Mail) .. AHoward Watch & Clock Co.,  
E. (Watchmen's Station) A

Johnson &amp; Co., H. A.

(Bread) ..... A

Marshall Sanders Co., 303

Congress (Switch) .... C

Benlm Specialty Co., 176

Federal (Junction &  
Switch) ..... CRidlon Co., Frank, 200 Sum-  
mer (Sand) ..... A

Riley &amp; Co., C. E., 65

Franklin (Drawing &  
Roving) ..... A

Ziegler Appliance Co., 200

Summer (District Call) .. E

**MASS.—Brockton**

Packard &amp; Son, Sidney E.

(Candy; Polish; Shoe) .. B

Bird &amp; Son, F. W. (Lunch)

AA

**MASS.—Gloucester**

Merchant Box &amp; Cooperage

Co. (Fish) ..... B

**MASS.—Greenfield**Goodell Mfg. Co. (Mitre;  
Bessemer Steel) ..... BWells Bros. Co. (Farrier  
Tool) ..... A**MASS.—Millers Falls**

Millefs Falls Co. (Mitre)

AA

**MASS.—Neponset**Coffin Valve Co. (Gas &  
Water; Service; Gate) ... D**MASS.—New Bedford**

Coffin Bros. (Cigar) ..... D

**MASS.—Norton**Sweet, A. H. (Chisel; Lager  
Beer Bottle; Mineral  
Water; Jewelry; Packing;  
Silver Ware; Auger) ... B**MASS.—Orange**

Chase Turbine Mfg. Co.

(Hanger) ..... A

Rodney Hunt Machine Co.

(Shaft) ..... A

**MASS.—Pittsfield**

Jones &amp; Sons Co., E. D.

(Journal) ..... B

**MASS.—Springfield**West Box Co. (Fancy;  
Wood for Poker Chips;**BOXES (Con.)**

Cutlery; Tools) ..... C

**MASS.—Westfield**Crane Bros. (Linenoid;  
Laundry, &c.) ..... AAA

Ensign Cigar Box Co., A. E.

(Cigar) ..... D

Hampden Toy Co. (Folding  
Lunch) ..... D**MASS.—Whitman**

Atwood Bros. (Beer) ..... B

**MASS.—Worcester**

Wire Goods Co. (Twine) .. A

Worcester Steam Boiler

Wks. (Steam) ..... X

**MICH.—Bay City**Vance Box Co., E. J. (Bot-  
tle; Canned Goods; Candy;  
Cleated; Packing; Partit-  
tion; Salt; Shoe; Siphon;  
Starch; Tin; Tobacco;  
Wine; Candle; Celery;  
Glass; Lawn Mower;  
Powder) ..... B**MICH.—Detroit**Briscoe Mfg. Co. (Rural  
Mail) ..... A

Buhl Stamping Co. (Feed)

AA

Co-operative Fdry. (Journal)

E

Cross &amp; Co., Milton O., 12

W. Atwater (Junction) .. F

Fulton Iron Wks., 28 Brush

(Journal) ..... X

Victor Jar Co. (Glass) .... E

**MICH.—Fenton**Phillips Co., A. J. (Family  
Nail; Shelf Hardware) .. A**MICH.—Grand Rapids**Michigan Barrel Co. (Axle  
Grease; Ball; Butter;  
Salt) ..... B**MICH.—Jackson**

Hutchinson Mfg. Co., Jno.

(Roller Bearing; Drop  
Hanger; Post Box Shaft)

C

**MICH.—Saginaw**

Mershon &amp; Co., Wm. B.

(Beer; Bottle; Fish; Pack-  
ing; Shoe; Tobacco;  
Wine) ..... A

Saginaw Specialty Co.

(Turned Wood) ..... E

Wickes Bros. (Shaft Bear-  
ing) ..... AAA**MICH.—Tecumseh**

Century Box Co. (Mail) .. D

**MINN.—Minneapolis**

Northwestern Casket Co.

(Telephone) ..... A

**MINN.—St. Paul**South Park Fdry. & Ma-  
chine Co. (Valve; Service)

B

**MO.—St. Louis**

Amer. Car &amp; Fdry Co., 706

Chestnut (Journal) ..... AAAA

Amer. Roll Paper Co.

(Twine) ..... B

Brownell Car Co., 2300 N.

B'way (Fare) ..... D

Central Union Brass Co.,  
811 N. 2nd (Journal) .. EFehlilg Bros. Box Mfg. Co.,  
1909 Washn. (Beer) .... A

Medart Patent Pulley Co.

(Shaft; Hanger; Wall) .. AA

Moser Cigar &amp; Paper Box

Co. (Cigar) ..... A

Pleuger & Henger Mfg. Co.,  
11th & Hebert (Valve;  
Service) ..... A

St. Louis Car Co., 800 N.

B'way (Fare; Sand) ..... AAAA

**NEV.—Verdi**

Verdi Lumber Co.

(Packing) ..... AA

**N. J.—Hassbrouck Heights**

Olmsted, L. H. (Mitre) .. B

**N. J.—Jersey City**Dodge & Bliss Co. (Pack-  
ing; Starch) ..... AAMehl & Co., Jno. (Cuff;  
Collar) ..... AAWilliams & Son, E. A. (Coal  
Car; Wagon) ..... AA**N. J.—Montclair**Heller & Co., W. C. (Tote;  
Sheet Steel; Shelf Steel;  
Mail) ..... F**N. J.—Newark**

Celluloid Co. (Ointment;

# BOXES (Con.)

Powder) .....B  
 Headley & Farmer Co.  
 (Gent's Hat) .....A  
 Phelps & Sons, 110 Pen-  
 ington (Mail) .....C  
 Sachs Iron Fdry., Louis  
 (Shoe Blacking) .....A  
 Sterling-Meaker Co., 420  
 Ogden (Sand) .....A  
 Toler Sons & Co., Jno., 108  
 Adams (Junction; Switch)  
 B  
 N. J.—Paterson  
 Smith & Son, Samuel  
 (Steam) .....A  
 Watson Machine Co.  
 (Steam) .....A  
 N. J.—Smithville  
 Smith Machine Co., H. B.  
 (Grindstone) .....A  
 N. J.—Sussex  
 Little, O. J. (Feed) .....D  
 N. Y.—Albany  
 Draper, Henry W. (Beer;  
 Siphon) .....C  
 N. Y.—Binghamton  
 Star Electric Co. (Fire  
 Alarm Signal) .....D  
 N. Y.—Bronxville  
 Leonard-Ward Electric Co.  
 655 Hudson (Junction;  
 Lined Electric Switch;  
 Porcelain Lined; Outlet;  
 Cut-Out) .....B  
 N. Y.—Brooklyn  
 American Stamping Co.  
 (Bread & Cake; Cheese;  
 Lunch; Salt; Pepper;  
 Spice; Sugar; Cash) ..X  
 Columbia Machine Wks.,  
 169 Chestnut (Fuse; Sand)  
 C  
 Cooper & McKee (Salt) ....A  
 Hauck & Son, Chas. J.  
 (Postage Stamp; Tobacco)  
 B  
 Krantz Mfg. Co., 160 7th  
 (Junction) .....D  
 N. Y.—Buffalo  
 Apel Mfg. Co. (Mailing) ..F  
 Binghamton & Taylor  
 (Valve; Service) .....AA  
 Buffalo Box Factory  
 (Packing) .....A  
 McCarthy Bros. & Ford, 45  
 N. Division (Junction) ..E  
 Noye Mfg. Co., Jno. F.  
 (Wall) .....X  
 Shepard & Co., Sidney  
 (Blacking; Bread; Cake;  
 Lunch; Spice; Cash; Post-  
 Office) .....AAAA  
 Ward, J. A. (Druggists') ..X  
 N. Y.—Coxsackie  
 Amer. Valve Co. (Valve;  
 Service) .....D  
 N. Y.—Homer  
 Phoenix Hardware Mfg. Co.  
 (Mail) .....D  
 N. Y.—Jamestown  
 Fenton Metallic Mfg. Co.  
 (Ballot; Document) ....A  
 N. Y.—Knox  
 Cheesbro, Wm. J. (Drug-  
 gists') .....F  
 N. Y.—Little Falls  
 Burrell & Co., D. H. (But-  
 ter; Cheese) .....AAAA  
 New York City  
 Alling & Co. (Match) ....AA  
 American Steel House Co.,  
 798 11th Av. (Patrol) ..D  
 American Wood Working  
 Mach. Co. (Journal)AAAA  
 Baldwin, L. H. (Axle  
 Grease; Band; Blacking;  
 Bluing; Bottle; Candle;  
 Druggists'; Fancy; Fruit;  
 Hat; Ice Cream; Jewelry;  
 Ointment; Packing; Pow-  
 der; Shelf; Wooden; Shoe;  
 Siphon; Starch; Tobacco;  
 Wedding Cake; Wine;  
 Window) .....X  
 Bemis Car Truck Co., 120  
 Liberty (Journal) .....E  
 Bogert & Hopper, 162 Wil-  
 liam (Turned Wood) ...B  
 Brooke, John B., 86 Fulton  
 (Milk) .....C  
 Brown Co., A. & F., 26 Cort-  
 landt (Journal; Shaft) ...A  
 Bunnell & Co., 20 Park Pl.

# BOXES (Con.)

(Fire Alarm Signal; Elec-  
 tric Call; Resistance) ...A  
 Central Stamping Co.  
 (Bread; Cake) .....AA  
 Chatillon & Sons, J., 85  
 Cliff (Twine) .....A  
 Diemer, Jno. F. (Shelf;  
 Cloth for Flat Papers) ..D  
 Drummond & Co., M. J., 192  
 B'way (Valve; Service) ..A  
 Edwards & Co., 407 E. 144th  
 (Fire Alarm Signal; Mail)  
 C  
 Ericks & Co., H. W. (Cigar)  
 A  
 Estes & Sons, E. B. (Axle  
 Grease; Butter; Candy;  
 Dove Tailed; Druggists';  
 Fancy; Fruit; Jewelry;  
 Ointment; Pill; Salt;  
 Turned; Wine; Packing;  
 Sugar; Powder; Ballot) ..A  
 Ettlinger & Sons, Louis  
 (Jewelry) .....D  
 Fagan, James (Ice Cream) ..C  
 Fiske Iron Wks., J. W.  
 (Plant) .....B  
 Folmer & Schwing Mfg. Co.  
 (Plate Changing) .....B  
 Fountain, Jno. J. (Junction,  
 Switch) .....F  
 General Electric Co., 44  
 Broad (Fuse; Junction;  
 Resistance) .....AAAA  
 General Incandescent Arc  
 Light Co., 572 First Av.  
 (Coupling for Feeder Ca-  
 bles; Junction) .....A  
 Goodyear's India Rubber  
 Glove Mfg. Co. (Match) ..  
 AAAAA  
 Gould Coupler Co., 20 W.  
 34th (Journal) .....AA  
 Green, A. H., 22 Park Pl.  
 (Shelf Hardware) .....D  
 Grote & Co., F. (Match;  
 Powder) .....D  
 Herring - Hall - Marvin Co.  
 (Iron; Cash; Bond Safe  
 Deposit) .....B  
 Herzog Teleseme Co., 51  
 W. 24th (District Call) ..D  
 Hoe & Co., R. (Printers'  
 Mitre) .....AAAA  
 Ingersoll-Sergeant Drill Co.,  
 26 Cortlandt (Ticket Can-  
 celling) .....AAAA  
 Jennings Co., C. E.  
 (Mitre) .....B  
 Judd & Co., H. L. (Twine)  
 AA  
 Kaufmann, Max (Cuff; Col-  
 lar) .....F  
 Koch Sons & Co. (Cuff;  
 Collar; Glove; Handker-  
 chiefs; Wooden) .....X  
 Kraft, Geo. J. (Fancy) ...B  
 Lalance & Grosjean Mfg. Co.  
 (Lunch; Salt; Pepper;  
 Cash) .....AAAA  
 La Roche Co., F. A., 656  
 Hudson (Junction) .....E  
 Mace & Co., L. H., 111 E.  
 Houston (Salt) .....B  
 Manhattan Brass Co.  
 (Window) .....A  
 Manhattan Electrical Supp.  
 Co., 32 Cortlandt (Mail)  
 A  
 Matthews, Jno. (Firm of)  
 (Siphon) .....AA  
 Mayer, Leopold (Pill; Pow-  
 der) .....E  
 Melnat & Sons, C., 441  
 Pearl (Tin) .....X  
 Meyer, Bernard (Candy;  
 Druggists') .....D  
 Mosler Safe Co., 373 B'way  
 (Safe Deposit; Iron; Cash;  
 Bond) .....AAAA  
 Ostrander & Co., W. R., 22  
 Dey (Switch; Mail; Let-  
 ter) .....B  
 Pearce, Fred'k., 18 Rose  
 (District Call; Fire  
 Alarm) .....B  
 Peckham Mfg. Co., 26 Cort-  
 landt (Sand) .....A  
 Prentiss Vise Co. (Vise;  
 Screws) .....C  
 Russell & Erwin Mfg. Co.,  
 43 Chambers (Twine) ...  
 AAAAA

# BOXES (Con.)

Schier & Walter, 502 E. 74th (Cigar) .....C  
 Smith & Hemenway Co., 296 B'way (Mitre) .....B  
 Sprague Electric Co., 529 W. 34th (Junction) ...AAAA  
 Stoutenborough, X. (Bread; Cake; Safe Deposit)....D  
 Tower & Lyon Co., 95 Chambers (Auger Bit) .....B  
 Walsh, Owen, 117 Walker (Mail) .....D  
 Wicke Co., Wm. (Cigar).....A  
 Wittemann Bros., 188 William (Bottlers'; Siphon; Wine) .....A  
 Yale & Towne Mfg. Co., 9 Murray (Post Office)....AAAA  
 Zindars & Hunt, 127 5th Av. (Junction) .....D  
**N. Y.—North Tonawanda**  
 Butts & Co., Chas. G. (Candle; Cleated; Dove-Tailed; Fish; Packing; Shoe; Tobacco; Wine; Fruit)....D  
**N. Y.—Poughkeepsie**  
 Poughkeepsie Art Pulp Co. (Shelf) .....F  
**N. Y.—Pulaski**  
 Tollner's Sons Co., Chas. (Pencil) .....B  
**N. Y.—Rochester**  
 Stevens & Son, J. B. (Candle; Dove-Tailed; Drug-gists'; Packing; Shoe; Siphon; Tobacco) .....X  
**N. Y.—Schenectady**  
 General Electric Co. (Fuse; Junction; Resistance) ..AAAA  
**N. Y.—Syracuse**  
 Crouse-Hinds Electric Co. (Junction; Fuse) .....D  
 Gowing, D. H. (Butter)....C  
 Merriam Mfg. Co. (Cigar).....A  
 Pass & Seymour (Junction) .....B  
 Stearns & Co., E. C. (Feed) .....AA  
 Wells Mfg. Co., A. J. (Document) .....X  
**N. Y.—Troy**  
 Rensselaer Mfg. Co., Van Schaick Island (Valve; Service) .....C  
 Taylor Electric Truck Co. (Journal) .....B  
 Troyan Button Fastener Co. (Inc.) (Sand; Street Car) .....B  
 Troy Stamping Wks. (Black-Ing; Tin) .....AAAA  
**N. Y.—Utica**  
 Bossert Elec. Construction Co. (Junction) .....C  
 Clark, Horrocks Co. (Bait; Fishing Tackle) .....A  
 Johnson & Morton, 44 Whitesboro (Junction)....E  
 Utica Elec'l Mfg. & Supply Co. (Electric Fuse; Junction) .....X  
 Utica Fire Alarm Telegraph Co. (Police Signal) .....B  
**OHIO—Ashtabula**  
 Barber Mfg. Co. (Mail)....C  
**OHIO—Berlin Heights**  
 Berlin Fruit Box Co. (Fruit; Honey) .....D  
**OHIO—Cambridge**  
 Cambridge Foundry Co. (Annealing) .....F  
**OHIO—Canton**  
 Diebold Safe & Lock Co. (Iron; Cash; Bond; Safe Deposit) .....AAA  
**OHIO—Cincinnati**  
 Bourbon Copper & Brass Wks., 618 E. Front (Valve; Service) .....A  
 Globe-Wernecke Co. (Docu-ment) .....AAAA  
 Hall & Wood Ballot Box Co. (Steel & Wood Ballot)....X  
 Hall's Safe Co., Spring Grove Av. (Safe Deposit)A  
 Hall's Safe & Lock Wks. (Iron; Cash; Bond; Safe Deposit) .....A  
 Kiechler Mfg. Co. (Safe De-posit) .....C  
 Knecht, Victor, 819 Wade

# BOXES (Con.)

(Sand; Street Car).....B  
 McFarlan & Spiker Mfg. Co. (Mitre) .....D  
 Randall & Co. (Loop)....B  
 Tatum Co., Saml. C., 414 W. Water (Mail; Journal; Letter; Twine) .....B  
 Trost, Saml. W. (Cigar)....A  
 Victor Safe & Lock Co. (Iron; Cash; Bond) ...A  
**OHIO—Cleveland**  
 Avery Stamping Co., Lake & Coe (Tote; Sheet Steel) A  
 Bartlett & Snow Co., C. O. (Journal) .....B  
 Cleveland Faucet Co. (Coll) .....AAA  
 Cleveland Wire Spring Co., Wason & Hamilton (Tote; Sheet Steel) .....C  
 Forest City Fdry. & Mfg. Co. (Mail) .....A  
 Fulton Foundry Co., Mar-quette at L. S. & M. S. Ry. (Journal) .....C  
 Globe Machine & Stamping Co. (Mail) .....C  
 Nat'l Safe & Lock Co., Craw Av. & C. & P. R. R. (Safe Deposit) .....A  
 Osborn Mfg. Co. (Oil; Stoves) .....B  
 Ray Automatic Machine Co. (Annealing) .....D  
 Smith Fdry. Supply Co., J. D., 40 S. Water (Core)....D  
 Taylor & Boggis Fdry. Co., 521 Seneca (Mail) ....AA  
 Van Dorn & Dutton Co., 1796 E. Madison Av. (Journal) AA  
**OHIO—Columbus**  
 Buckeye Stamping Co. (Seamless Tin; Tin Insect Powder, &c.) .....D  
 Case Mfg. Co. (Shaft Bear-Ing) .....A  
 Jeffrey Mfg. Co. (Adjusting; Journal) .....AAAA  
 Kilbourne & Jacobs Mfg. Co. (Tote; Sheet Steel; Seam-less Steel) .....AA  
**OHIO—Cuyahoga Falls**  
 Falls Rivet & Machine Co. (Journal; Shaft) .....A  
**OHIO—Dayton**  
 Dayton Globe Iron Wks. (Hanger) .....B  
 Dayton Folding Box Co. (Folding Egg) .....B  
 Dayton Paper Novelty Co. (Band; Candy; Hat)....A  
**OHIO—Hamilton**  
 Macneale & Uban Co. (Iron; Cash; Bond) .....X  
**OHIO—Lowellville**  
 Meehan Boiler & Construc-tion Co. (Annealing) ...C  
**OHIO—Mansfield**  
 Ohio Brass Co. (Journal)....B  
**OHIO—Medina**  
 Root Co., A. I. (Section; Honey) .....AA  
**OHIO—Niles**  
 Niles Boiler Co. (Anneal-ing) .....B  
**OHIO—Ravenna**  
 Williams, A. G. (Twine)....E  
**OHIO—Salem**  
 Clark Co., W. J. (Coal; Tote; Sheet Steel; Seam-less Steel; Rolling for Coating Wheels with Em-ery; Iron; Waste) .....B  
**OHIO—Sandusky**  
 Knight, H. H. (Linenoid)....D  
 Schwehr Box Co. (Cigar)....C  
**OHIO—Springfield**  
 Leffel & Co., Jas. (Journal) AA  
**OHIO—Toledo**  
 Ohio Steam Cooker Co. (Bread) .....B  
 Sutton & Co., C. E. (Mitre) .....D  
 Toledo Display Horse Co. (Feed) .....A  
**OHIO—Warren**  
 Warren City Boiler Wks. (Annealing) .....B  
**OREGON—Portland**  
 Portland Lumbering Mfg. Co. (Packing) .....A

**BOXES (Con.)**

PA.—Allegheny  
Carlins' Sons, Thomas (Concrete; Tube; Street Car Sand) .....A  
PA.—Chambersburg  
Woods Sons, T. B. (Shaft) A  
PA.—Erie  
Griswold Mfg. Co. (Wagon) A  
Hays Mfg. Co. (Valve; Service) .....B  
PA.—Lebanon  
Lebanon Electric Co. (Sand) .....F  
PA.—Marietta  
Penna. Construction Co. (Wood Ballot) .....A  
PA.—Mohns Store  
Warner, Franklin R. (Hat) C  
PA.—New Brighton  
Pittsburg Clay Mfg. Co. (Window) .....AAAA  
PA.—New Castle  
Vogan Bros. Mfg. Co. (Sand; Valve; Service) .....H  
PA.—Philadelphia  
Brill Co., J. G., 62d & Woodland Av. (Fare; Journal; Sand) .....AAAA  
Cassel, Jacob C. (Window) D  
Chester Steel Castings Co. (Cleated; Journal) .....AA  
Cresson Co., Geo. V., 18th & Allegheny Av. (Journal; Shaft; Clamp; Iron Waste; Wall) .....AA  
Fairmount Machine Co., 2108 Wood (Shaft; Clamp; Hanger; Wall) .....A  
France Packing Co., 6512 State Rd. (Fuse) .....C  
Haines, Wm. A. (Cuff & Collar) .....D  
Heaton & Sons, David (Pill) .....C  
Holmes Fibre & Graphite Mfg. Co. (Hanger) .....D  
Jones Paper Box Co., Jesse, 615 Commercial (Candy; Druggists'; Shelf; Wooden) .....B  
Keystone Electrical Instr. Co. (Resistance) .....B  
Miller, Walter P., 448 York Av. (Display for Counter Goods) .....F  
Miller Lock Co., 4523 Tacony (Cash; Keyless Cash; Post Office) .....B  
Patrick, Carter & Wilkins, 1231 Callowhill (Mail; District Call; Electric; Resistance) .....B  
Pearson, Jos. T. (Packing) AA  
Plumby, G. W. (Druggists') .....B  
Pressed Steel Mfg. Co., Ridge Av. & Willow (Ball Bearing; Shafting) .....D  
Rumpp, C. F. (Jewel; Leather) .....AAA  
Sellers & Co., Wm. H., 1600 Hamilton (Shaft; Grindstone) .....AAAA  
Shelp Mfg. Co., Henry H. (Cigar; Fancy; Locked Corner Wooden; Shelf Wooden; Syringe) .....AA  
Wilfong Bros., 52nd & P. W. & B. R. R. (Annealing) .....C  
PA.—Pittsburg  
Barnes Safe & Lock Co. (Iron; Cash; Bond; Safe Deposit) .....D  
Goff Mfg. Co., 345 4th Av. (Annealing) .....D  
Iron City Tool Wks. (Vise; Screw) .....A  
Jones & Laughlins' Steel Co. (Shaft) .....AAAA  
McKenna Bros. Brass Co., 1st Av. & Ross (Fuse) .....A  
McNeil & Bro., Jas., 29th & A. V. Ry. (Annealing) AA  
Riter-Conley Mfg. Co., 56 Water (Annealing) .....AA  
Scaife & Sons Co., Wm. B., 221 First Av. (Core; Sheet Steel; Tote; Annealing) A  
Standard Underground Cable Co., Westinghouse

**BOXES (Con.)**

Bldg. (Electrical; Junction) .....AAA  
Westinghouse Electric & Mfg. Co. (Junction) .....AAAA  
PA.—Reading  
Reading Hdw. Co. (Letter) .....AAAA  
Thalheimer & Son, Albert (Cigar) .....B  
Weber, Sr., Julius (Hat) D  
PA.—South Bethlehem  
Bethlehem Fdry & Machine Co. (Cast Iron Waste; Annealing) .....C  
PA.—Towanda  
Frost Mfg. Co., J. O. (Valve; Service) .....B  
PA.—Waynesboro  
Frick Co. (Clamp) .....AAAA  
PA.—Williamsport  
Darling Pump & Mfg. Co. (Valve; Service; Stuffing) B  
PA.—York  
Kauffman & Bro., A. (Cigar) .....B  
York Safe & Lock Co. (Iron; Cash; Bond; Safe Deposit) A  
R. I.—Providence  
Brown & Sharpe Mfg. Co. (Cast Iron; Core for Foundry Use) .....AAAA  
D. & W Fuse Co., 53 Aborn (Fuse; Junction; Subway; Coupling for Feeder Cables) .....C  
Luther & Son, Wm. H. (Jewelry) .....B  
Textile Finishing Mchry. Co. (Steam) .....AAA  
Young Bros., 670 Eddy (Jewelry) .....B  
R. I.—Woonsocket  
Woonsocket Machine & Press Co. (Journal; Clamp; Hanger) .....AA  
TENN.—Memphis  
Chickasaw Iron Wks. (Journal) .....A  
VT.—Burlington  
Champlain Mfg. Co. (Packing) .....B  
Crane, W. & D. G. (Packing) .....A  
VT.—North Bennington  
White Co., H. C. (Wooden) B  
VA.—Lynchburg  
Glamorgan Pipe & Foundry Co. (Gas; Water; Service; Valve) .....AA  
VA.—Norfolk  
Wrenn & Sons, A. (Wagon) AA  
VA.—Richmond  
Allegheny Box Co. (Tobacco) .....B  
Randolph Paper Box Co., 1812 E. Franklin (Druggists'; Pill; Powder) .....A  
W. VA.—Ravenswood  
Moore, C. P. (Shelf) .....C  
WIS.—Fort Atkinson  
Cornish, Curtis & Greene Mfg. Co. (Butter) .....A  
WIS.—Milwaukee  
Filler & Stowell Co., Becher, cor. Ziemer (Journal; Shaft) .....AAA  
Signalphone Mfg. Co., 128 Sycamore (District Call) C  
WIS.—Watertown  
Henry Co., Ira L. (Druggists' Paper) .....C  
**BOXES, MUSIC**  
New York City  
Jacot Music Box Co., 39 Union Sq. (Music) .....D  
Regina Music Box Co., 11 E. 22d (Music) .....AA  
PA.—Philadelphia  
Gantschl & Sons, Hy., 1030 Chestnut (Music) .....D  
**BOXES, PAPER**  
CAL.—San Francisco  
Crocker Co., H. S., 215 Bush AA  
Fleischhacker & Co., A., 520

**BOXES, PAPER (Con.)**

Market .....A  
 Mutual Label & Lithograph Co., 2nd & Bryant .....AA  
 Pacific Fold'g Paper Box Fcty., 14 Fremont .....C  
**CONN.—Bridgeport**  
 Bridgeport Paper Box Co. ....A  
 Compressed Paper Box Co. ....C  
 Taylor, Thomas P. ....A  
 Warner Bros. Co., The. ....AAAA  
**CONN.—Danbury**  
 Clark Box Co., The .....C  
**CONN.—Meriden**  
 Doolittle, E. J. ....B  
**CONN.—New Britain**  
 Corbin & Son, H. H. ....C  
**CONN.—New Haven**  
 Benton, Armstrong Fold'g Box Co., 89-97 Orange. ....B  
 Cronan Paper Box Co., P. J. ....A  
 Munson & Co., 385 Clinton Av. ....C  
 National Fold'g Box & Paper Co., 325 Congress Av. ....AAAA  
 Strouse, Adler & Co., 60 Court (Corset) ....AAA  
**CONN.—New London**  
 Bingham Paper Box Co. ....C  
**CONN.—Sandy Hook**  
 Curtis & Son, S. ....A  
**CONN.—Shelton**  
 National Fold'g Box & Paper Co. ....AAAA  
**CONN.—So. Coventry**  
 Kingsbury Box & Print'g Co., The .....B  
**CONN.—Unionville**  
 Humphrey, H. W. ....D  
**CONN.—Waterbury**  
 White & Wells Co. ....A  
**CONN.—Winsted**  
 New England Pln Co. ....A  
**GA.—Atlanta**  
 Empire Print'g & Box Co., 71 S. Pryor .....C  
 Montag Bros. ....C  
 Hirschberg Paper Co. ....C  
**ILL.—Bloomington**  
 Bloomington Caramel Factory .....C  
**ILL.—Chicago**  
 Chicago Fold'g Box Co., 142 W. Washington .....C  
 Chicago Label & Box Co., 226 Lake .....B  
 Clark & Pfister, 51-53 S. May .....C  
 Gair Co., Robt., 138 Washington .....AAAA  
 Howe & Davidson, Taylor & Rockwell .....B  
 Randolph Box & Label Co., 27 S. Clinton .....C  
 Ritchie & Co., W. C., 488 Carroll Av. ....A  
 Schroeter Mfg. Co., 71 W. Jackson Boul. ....C  
 Schultz & Co., 117-123 Market .....C  
 Sefton Mfg. Co., J. W., 241 S. Jefferson .....AAA  
 Wolff & Son, C. F., 185 E. Kinzie .....C  
**ILL.—Morris**  
 Morris Paper Co. ....C  
**IND.—Anderson**  
 Sefton Co., J. W. ....AAA  
**IND.—Indianapolis**  
 Bee Hive Paper Box Co., 78½ W. Washington Candy; Desk File) .....C  
**IOWA.—Burlington**  
 Burlington Paper Box Co. ....C  
**IOWA.—Dubuque**  
 Dubuque Paper Box Factory .....C  
**KY.—Louisville**  
 Bradley & Gilbert Co. ....B  
**LA.—New Orleans**  
 Ringel & Levy .....B  
**MAINE.—Auburn**  
 Auburn Paper Box Co. ....B  
**MAINE.—Springvale**  
 Goodwin Bros. ....C  
**MD.—Baltimore**  
 Euler & Son, C. A., 408 Conway .....C  
 Franke, Geo., 112 S. Eutaw .....B  
 Friedenwald Co., Balt. &

**BOXES, PAPER (Con.)**

Eutaw .....B  
 Taylor & Co., C. J., 203 W. Camden .....B  
**MASS.—Beverly**  
 Allen, Geo. H. ....B  
 Copp Co., A. W. ....C  
**MASS.—Boston**  
 Busch Mfg. Co., H. C., 135 Oliver .....C  
 Dennison Mfg. Co. ....AAAA  
 Dickerman & Co., Geo. H., 32 Green .....B  
 Forbes Lithograph Mfg. Co., 185 Summer .....AA  
 Gair Co., Robt., 101 Tremont .....AAAA  
 Stone & Forsyth, 268 Devonshire .....B  
**MASS.—Brookton**  
 Packard & Son, S. E. ....C  
**MASS.—Campello**  
 Packard & Son, S. E. ....C  
**MASS.—East Walpole**  
 Bird & Son, F. W. ....AAA  
**MASS.—Haverhill**  
 Currier, O. S. ....C  
 Hayes, C. H. ....B  
 Owens, John .....C  
**MASS.—Holyoke**  
 Powers Paper Co. ....AA  
**MASS.—Lynn**  
 Allen, Geo. H., 340 Broad. B  
 Littlefield & Plummer, 47 Arch .....A  
**MASS.—New Bedford**  
 Fairpoint Corporation .....A  
**MASS.—Norton**  
 Sweet, A. H. (Knit Goods) B  
**MASS.—Pittsfield**  
 Collins & Co., D. M. ....AA  
**MASS.—So. Framingham**  
 Framingham Box Co. ....C  
**MASS.—Spencer**  
 Spencer Paper Box Co. ....A  
**MASS.—Springfield**  
 National Papeterie Co. ....B  
 Taylor & Co., C. C. ....D  
**MASS.—Worcester**  
 Hill Env. Co., W. H. (Div. U. S. Env. Co.) ....AAAA  
 Logan, Swift & Brigham Env. Co. (Div. U. S. Env. Co.) ....AAAA  
 Sherman Envelope Co. ....B  
 Whitcomb Env. Co. (Div. U. S. Env. Co.) ....AAAA  
 Whitney Co., Geo. C. ....B  
**MICH.—Battle Creek**  
 Ellis Publishing Co. (Ltd.) B  
**MICH.—Belding**  
 Grand Rapids Paper Box Co., cor. Clay & St. Albins Av. (Yeast; Butter; Gas Mantel; Tea; Jelly; Jam; Butter; Lard; Sausage; Paint; Tobacco; Preserves; Honey; Baking Powder; Soda; Salt; Chemicals; Date; Dried Fruit; Coffee; Spices; Confectionery) .....C  
**MICH.—Detroit**  
 Gem Fibre Package Co. ....C  
 Holliday, W. P., Fort & Brush .....A  
**MICH.—Fenton**  
 Phillips Co., A. J. ....A  
**MICH.—Grand Rapids**  
 Grand Rapids Paper Box Co. ....C  
**MICH.—Kalamazoo**  
 American Playing Card Co. A  
**MICH.—Port Huron**  
 Riverside Printing Co. ....C  
**MICH.—Ypsilanti**  
 Sharf Tag, Label & Box Co. ....C  
**MINN.—St. Paul**  
 Weinhausen & Co., Chas., 21 8th .....C  
**MO.—Kansas City**  
 Lechtman Print'g Co. ....C  
 National Paper Box Co. ....C  
**MO.—St. Joseph**  
 Combe Print'g Co. ....B  
**MO.—St. Louis**  
 Holman Paper Box Co., 8th & Chaton .....B  
 Moses Cigar & Paper Box Co., 208 Elm .....B  
 Mound City Print'g Co., 11 S. 2nd (Candy; Druggist

**BOXES, PAPER (Con.)**

Folding) .....C  
 St. Louis Paper Box Co.,  
 21st & Randolph (Candy) B  
 N. H.—Dover  
 Tapley, I. W. ....C  
 N. J.—Bloomfield  
 Nevins-Church Co. ....B  
 N. J.—Jersey City  
 Datz & Co., Albert, 87 R. R.  
 Av. ....C  
 Leo Co., James, 257 Varick  
 A  
 Waldeck & Co., E., 81 Oak-  
 land .....C  
 N. J.—Paterson  
 Harding & Sons, Fdk. ....C  
 N. Y.—Albany  
 Simpson, Morehead Co.,  
 Hamilton & Liberty ....B  
 N. Y.—Amsterdam  
 Inman Mfg. Co. ....A  
 N. Y.—Balston Spa  
 National Fold'g Box & Paper  
 Co. ....AAAA  
 N. Y.—Brooklyn  
 Gair Co., Robt., Wash. &  
 Water .....AAAA  
 Phoenix Paper Co. (Ltd.).  
 89 John .....C  
 Vernon, F. R. & F. J., 1013  
 Grand .....A  
 N. Y.—Buffalo  
 Cooper Paper Box Wks., 569  
 Wash. ....C  
 Drescher & Son, C. J., 106-  
 110 B'way .....C  
 N. Y.—Cohoes  
 Leggett & Son, John ....AA  
 Leversee & Snyder Mfg. Co. C  
 N. Y.—Elmira  
 Howell & Co., F. M. ....B  
 N. Y.—Glens Falls  
 Leggett & Son, John ....AA  
 N. Y.—Gloversville  
 Drake, J. H. ....C  
 N. Y.—Hudson  
 Leggett & Son, John ....AA  
 N. Y.—Little Falls  
 Adams Mfg. Co., Victor..C  
 N. Y.—Mechanicsville  
 Simpson, Morehead & Co..B  
 N. Y.—Newark  
 Bloomer Bros. Co., (Cake;  
 Egg; Florists') .....C  
 New York City  
 Baldwin, L. H. ....X  
 Baldwin & Son, Eli, 1 Mis-  
 sion Pl. ....C  
 Benton-Armstrong Fold'g  
 Box Co., 99 Nassau ....B  
 Buedingen Mfg. Co., 398  
 B'way .....C  
 Dennison Mfg. Co., 15 John  
 AAAAA  
 Fuller-Burr Co., 69 Wooster  
 (Candy; Cigarette; Patent  
 Medicine; Perfumery)...C  
 Gerbereax, Eugene, 241  
 Sullivan .....A  
 Gerstendorfer Bros., 80  
 Murray .....B  
 Helmes & Dreyfuss, 99  
 Mott .....C  
 Housman, M., 338 B'way..B  
 Hug & Boscowitz, 40 West  
 C  
 Hughes & Bro., B. G., 242  
 Centre .....B  
 McCluskey, J. J., 248  
 Greenwich .....A  
 Meyer, Bernard .....D  
 Munson & Co., 253 B'way..C  
 Nat. Fold'g Box & Paper  
 Co., 132 Franklin...AAAA  
 Neff, Fred'k, 567 Greenwich  
 (Candy; Hoslery) .....B  
 New England Box Co., 90  
 W. B'way .....A  
 Schenk & Schlechte .....B  
 Sonn & Bro., Leopold, 142  
 Mulberry .....B  
 Stoll & Ward, 530 W.  
 B'way .....A  
 Sturmwald & Pappe, 83  
 Wooster .....C  
 Union Paper Co., 844 Wash.  
 B  
 Wiemers, J. H., 153  
 Spring .....C  
 Wrigley Bros., 430 W. 14th  
 B  
 Wuensch, A., 553 E.  
 153rd .....B

**BOXES, PAPER (Con.)**

N. Y.—Rochester  
 Alderman, Fairchild &  
 Gutland Co., 17 Elm....C  
 Buedinger Mfg. Co., The,  
 53 Platt .....C  
 Karle Lithographic Co.  
 (Folding) .....A  
 Neun, Hy. P., 181 N.  
 Water .....C  
 Rochester Fold'g Box Co.,  
 2 Commercial .....B  
 Stecher Lithographic Co.,  
 300 N. Goodman .....A  
 N. Y.—Syracuse  
 Schmeer Mfg. Co., Henry.C  
 N. Y.—Troy  
 Albia Box & Paper Co....A  
 Cluett, Peabody & Co..AAA  
 Leggett & Son, John....AA  
 N. Y.—Utica  
 Utica Paper Box Co....AA  
 OHIO—Canton  
 Wrigley Bros. ....B  
 OHIO—Cincinnati  
 Crane, R. H. 336 Main....C  
 Davenport Paper Box Co.,  
 239 Main .....C  
 Dennison Mfg. Co., 23 E.  
 5th .....AAAA  
 Duncan & Co., J. H., 8th  
 & B'way (Candy) .....B  
 K. D. Box & Label Co.,  
 Case Av. ....A  
 Smith & Co., H. D., 206-  
 210 Main .....C  
 Wrigley Bros., 812 B'way B  
 OHIO—Cleveland  
 Grossman Paper Box Co.,  
 25 Noble .....B  
 OHIO—Dayton  
 Aull Bros. Paper Co., 222  
 W. 5th .....B  
 Dayton Paper Novelty Co.,  
 1st & Foundry .....C  
 Kinnard Mfg. Co., The,  
 Clinton & Bacon .....B  
 Weston Paper & Mfg. Co..B  
 OHIO—Toledo  
 Blade Print'g & Paper Co.,  
 318-324 St. Clair .....B  
 PA.—Allentown  
 Ryan, Wm. H. ....B  
 PA.—Erie  
 Herald Print'g & Publ. Co. B  
 PA.—Franklin  
 General Manifold Co., The  
 AAAAA  
 PA.—Norristown  
 Taubel, Lewis E. ....B  
 PA.—Philadelphia  
 American Metal Edge Box  
 Co., 64 N. 4th .....A  
 Bisler, G. A., 249 N. 6th  
 (Confectionery; Perfum-  
 ery) .....A  
 Brown & Bailey, Franklin  
 & Willow .....A  
 Cohen, Chas. J., 312  
 Chestnut .....B  
 Crompton Co., John, 328 N.  
 Randolph (Cigarette; Con-  
 fectionery; Perfumery).B  
 Datz Mfg. Co., 239 N. 6th.A  
 Daisroth, Wm. H., 1003  
 Race .....C  
 Dennison Mfg. Co., 1007  
 Chestnut .....AAAA  
 Edwards & Deckler .....B  
 Gair Co., Robt., Penn. Bldg.  
 AAAAA  
 Hauck, Philip, 1227 N. 4th.  
 C  
 Jones Paper Box Co., Jesse,  
 615 Commercial .....B  
 Lockwood Folding Box Co.  
 (Folding) .....F  
 Loeb & Co., Herman, 123  
 N. 4th .....C  
 National Metal Edge Box  
 Co., 619-623 Cherry.AAAA  
 Philpot & Co., M. P., 412  
 Locust .....C  
 Roggensburgers' Sons, I. D  
 Schmidt, Adolph, 349 N.  
 2nd .....C  
 Schoettle, F., 317 Race &  
 310-314 Florist .....B  
 Sommer & Co., H. B., 628  
 Arch .....C  
 PA.—Pittsburg  
 Penn Paper Box Co., 419 7th  
 Av. (Commercial) .....C



**BOXES, PAPER (Con.)**  
 Rex & Co., D. J., 7th Av.  
 & Grant .....A  
 Walker's Sons, A., 435-437  
 2nd Av. ....C  
**PA.—Plymouth**  
 West, Ambrose .....B  
 R. I.—Providence  
 Young Bros., 670 Eddy  
 (Mailing) .....C  
**TENN.—Nashville**  
 American Paper Co. ....C  
 Union Box & Paper Co. ....C  
**TEXAS—Dallas**  
 Texas Paper Co. ....B  
**TEXAS—San Antonio**  
 Duerer Mfg. Co., G. A. ....B  
**VT.—Bennington**  
 Union Paper Box Co. ....C  
**VA.—Richmond**  
 Randolph Paper Box Co.,  
 1812 E. Franklin .....A  
 W. VA.—Wheeling  
 Stimmetz, C. ....A

## BOXES, WOOD- EN PACKING

**ALA.—Bridgeport**  
 Bridgeport Woodenware  
 Mfg. Co. (Fruit) .....B  
**ALA.—Jackson**  
 Spear Box & Lumber Co. ....A  
**ARK.—Fayetteville**  
 Massengale & McIlroy ....D  
**ARK.—Helena**  
 Helena Box Co. ....B  
**ARK.—Judsonia**  
 Hoag & Sons, C. F. ....E  
**CAL.—Beckwith**  
 Horton Bros. ....D  
**CAL.—Los Angeles**  
 Los Angeles Box Co. ....E  
**CAL.—Madera**  
 Packinph Lumber Co. ....E  
**CAL.—San Francisco**  
 Hobbs, Wall & Co., 488  
 Beale (Packing) .....AA  
**CONN.—Derby**  
 Eastern Lumber & Box Co. ....B  
**CONN.—South Norwalk**  
 Norwalk Box Co. ....E  
**CONN.—Stafford Springs**  
 Orcutt, C. ....E  
**GA.—Dawson**  
 Dawson Crate & Box Co. ....D  
**ILL.—Aurora**  
 Spear, Warren & Co. ....B  
**ILL.—Barrington**  
 Plagger & Naeher .....C  
**ILL.—Cairo**  
 Carey-Halloday Lumber Co.  
 (Hardwood; Cottonwood;  
 Sweet Gum) .....A  
 Three States Lumber Co.  
 (Shooks) .....A  
 Wells-Peterson Box Co. ....D  
**ILL.—Chicago**  
 Acme Box Co., 308 S. Clin-  
 ton (Cereal; Canning) ..E  
 Chicago Packing Box Co. ....AA  
 Consumers' Box Mfg. Co.,  
 35 E. Ohio .....C  
 Goodwillie Bros., 171 La  
 Salle (Br. Wausau, Wis.) ..A  
 Goodwillie Co., D. M., W.  
 22nd & Centre Av. ....A  
 King & Co., C. L., 18 La  
 Salle .....A  
 Maxwell Bros., Loomis &  
 21st .....AA  
 Paepcke-Leicht Lumber Co.,  
 Tribune Bldg. (Shooks) ..AAA  
 Ransford & Co., T. F., 219  
 S. Water (For Cannery) ..C  
 Tegtmeyer, C. W., Lumber  
 & Canal (Shooks) .....B  
 Western Box Co., 42 River  
 (Lock; Cornered; Fruit;  
 Trimmed) .....E  
 Wintemeyers, J. C., 750  
 Throop .....C  
**ILL.—Cobden**  
 Mesler & Co., W. P. ....A  
**ILL.—Dixon**  
 Squires, Geo. H. ....E  
**ILL.—Hoopeston**  
 Moore & McFerren (Cotton-  
 wood Shooks) .....AAAA

**BOXES, WOOD (Con.)**  
**ILL.—Metropolis**  
 Roberts, J. N. (Fruit) ....A  
**ILL.—Rockford**  
 Rockford Screen & Box Co. ....C  
**IND.—Anderson**  
 Indiana Box Co. ....B  
**IND.—Bremen**  
 Wright, J. J. (Light) ....B  
**IND.—Evansville**  
 McFerson & Foster (Poplar;  
 Cottonwood Shooks) ....B  
**IND.—Ft. Wayne**  
 Fort Wayne Box Co. ....E  
 Peters Box & Lumber Co. ....B  
**IND.—Nappanee**  
 Coppes Bros. & Zook ....AA  
**IND.—New Albany**  
 New Albany Box & Basket  
 Co. ....D  
**IND.—Rockport**  
 Rockport Box Mfg. Co. ....D  
**IOWA—Clinton**  
 Peterson-Bell Co. (Shooks) ....C  
 Smith & Sons, F. (Poultry) ..D  
**IOWA—Council Bluffs**  
 Council Bluffs Box & Bas-  
 ket Co. ....D  
**IOWA—Muscatine**  
 South Muscatine Lumber  
 Co. (Shooks) .....AA  
**KANS.—Leavenworth**  
 Voegel Box Co. ....D  
**KY.—Bardwell**  
 Bodkins, D. W. ....C  
**KY.—Columbus**  
 Standard Box Co. (Shooks) ..D  
**KY.—Henderson**  
 Anderson Box & Basket Co. ....D  
**KY.—Louisville**  
 McKown, W. M., 544 W.  
 Main .....D  
 Mengel, Jr., & Bros. Co.,  
 C. C. ....AA  
**KY.—Paducah**  
 Riglesberger & Son, F. ....B  
**MAINE—Auburn**  
 Hutchins Co., H. W. (For  
 Confectionery & Crackers) ..C  
**MAINE—Berry's Mills**  
 Goodwin Bros. ....D  
**MAINE—Biddeford**  
 Biddeford & Natick Mfg. Co. ....D  
**MAINE—Brunswick**  
 Brunswick Box Co. (Lock  
 Cornered) .....D  
**MAINE—Dry Mills**  
 Liffy, Chas. E. (Shooks) ..D  
**MAINE—Gardiner**  
 Oakland Mfg. Co. ....B  
 Walker, James .....C  
**MAINE—Kingfield**  
 Jenkins & Bogert Mfg. Co. ....C  
**MD.—Baltimore**  
 American Lumber Co.,  
 Merch. Nat. Bk. Bldg. ....C  
 Canton Box Co. ....B  
 Duker Box Co., J. H. ....E  
 Heise & Co., H. ....E  
 Thiemeyer & Co., J. H., 821  
 S. Car. ....C  
**MD.—Cambridge**  
 Cambridge Mfg. Co. ....A  
**MD.—Salisbury**  
 Berry Bros. (Shooks) ....D  
**MD.—Wellington**  
 Scott Bros. ....E  
**MD.—Whaleysville**  
 Peter Mfg. Co. ....D  
**MASS.—Boston**  
 Mt. Washington Box Co., 70  
 Kilby (Turned Wood) ....A  
 N. E. Box Co., 221 Co-  
 lumbus Av. ....A  
**MASS.—Cambridge**  
 Page Box Co., G. G. ....A  
**MASS.—Chelsea**  
 Bay State Improved Box Co. ....D  
**MASS.—Chicopee Falls**  
 Griggs & Sons, D. B.  
 (Shooks) .....D  
**MASS.—Dalton**  
 Flansburgh, J. W. ....B  
**MASS.—Enfield**  
 Woods & Ward .....D  
**MASS.—Gloucester**  
 Merchants' Box & Cooperage  
 Co. (For Fish) .....B

## BOXES, WOOD (Con.)

MASS.—Haverhill  
 Hayes, C. H. .... B  
 MASS.—Lawrence  
 Lawrence Lumber Co. .... A  
 MASS.—Leverett  
 Field & Beaman ..... E  
 MASS.—Lowell  
 Brooks & Co., A. L. .... B  
 Davis & Sargent ..... B  
 MASS.—Lynn  
 Allen, G. H. .... B  
 Croaman & Co., G. A.  
 (Shooks) ..... B  
 Littlefield & Plummer .. A  
 MASS.—North Abington  
 Poole, Wm. .... U  
 MASS.—Orange  
 New England Box Co. .... A  
 MASS.—Reading  
 Symonds & Sons, O. P., .. D  
 MASS.—Whitman  
 Atwood Bros. .... B  
 MASS.—Worcester  
 Williams & Bridges .... C  
 MICH.—Bay City  
 Briscoe & Co., B. H. .... B  
 Eddy-Sheldon Box Co. .... A  
 MICH.—Benton Harbor  
 Anderson-Tully Co. (Fruit)  
 AAA  
 Colby-Hinckley Co. (Fruit)  
 B  
 MICH.—Grand Rapids  
 Michigan Barrel Co. .... A  
 MICH.—Saginaw  
 Miller, F. C. .... B  
 Mershon, Schuette, Parker  
 Co. (Shooks) ..... AAA  
 MICH.—St. Joseph  
 Colby-Hinckley Co. (Fruit)  
 B  
 Ward-Kent Co. (Fruit) .. A  
 MICH.—Traverse City  
 Wells-Higman Co. (Fruit) .. A  
 MICH.—W. Bay City  
 Crump Mfg. Co. .... C  
 Handy Bros. .... B  
 MINN.—Minneapolis  
 Smith Lumber Co., C. A.  
 (Shooks) ..... AAA  
 MINN.—Rockford  
 Young, H. .... E  
 MINN.—St. Paul  
 Osgood & Blodgett Mfg. Co.  
 (Lock-Cornered Wooden;  
 Shook) ..... B  
 MINN.—Stillwater  
 Atwood & Jones Mfg. Co. .. E  
 MISS.—Carpenter  
 Price, W. A. .... F  
 MISS.—Terry  
 Terry Mfg. Co. .... C  
 MISS.—Vicksburg  
 Anderson, Tully & Co. .... AAA  
 MO.—Brunswick  
 Dearing, J. .... F  
 MO.—Kansas City  
 Chapman & Dewey Lumber  
 Co. .... A  
 MO.—St. Joseph  
 Bergman & Bro., H. E., .. E  
 St. Joseph Basket & Box  
 Factory ..... C  
 MO.—St. Louis  
 Excelsior Box & Mfg. Co.,  
 2811 N. 12th (Sliding  
 Cover) ..... E  
 Fehlig Bros.' Box Mfg. Co.,  
 1913 Washington (Sliding  
 Cover; Nailed-Up Pack-  
 Packing) ..... B  
 Gaus & Sons Mfg. Co., 2130  
 N. Main ..... B  
 Goessling Box Co., W. F.,  
 Blair Av. & Mullanphy. C  
 Loy-Lange Box & Lumber  
 Co., 2108 S. 3rd ..... C  
 Mengel Box Co., Folsom Av.  
 & Lawrence ..... AAA  
 Phoenix Planing Mill Co.,  
 329 S. 12th ..... A  
 Poorman Box Mfg. Co., 929  
 N. 12th ..... B  
 Riddle-Rehbeim Mfg. Co.,  
 13th & O'Fallon ..... A  
 NEV.—Verdi  
 Verdi Mill Co. .... B  
 N. H.—Ashland  
 Kusumpe Lumber Co. .. E  
 N. H.—Ashuelot  
 New England Box Co. .... A  
 N. H.—Barrington  
 Berry & Son, J. F. .... D  
 N. H.—Danville  
 Colby Bros. .... D

## BOXES, WOOD (Con.)

N. H.—Dover  
 Foss & Son, D. .... D  
 N. H.—East Rindge  
 Union Box & Lumber Co. .. E  
 N. H.—East Swanzey  
 Wilcox & Son, E. .... E  
 N. H.—Exeter  
 Fellows, J. H. .... C  
 N. H.—Farmington  
 Cloutman & Co., J. F., .. B  
 Jenness, C. W. .... E  
 N. H.—Franklin Falls  
 Franklin Falls Box Co. .... E  
 N. H.—Hudson  
 Melendy, C. F. .... D  
 N. H.—Keene  
 Beaver Mills ..... A  
 Fowler, H. J. .... D  
 Norwood Son, C. M. .... E  
 N. H.—Meredith  
 Dodge & Bliss Co. .... D  
 N. H.—Milford  
 Peirce & Co., W. E.  
 (Shooks) ..... D  
 N. H.—Nashua  
 Melendy, C. F. .... D  
 Roby & Swart Mfg. Co. .. B  
 Tolles & Co., J. H. .... A  
 N. H.—Temple  
 Preston & Emery ..... D  
 N. H.—Tilton  
 Tilton Box Co. .... E  
 N. H.—Troy  
 Whitcomb & Co., O. C., .. C  
 N. H.—West Swanzey  
 Snow & Co., F. L. .... E  
 N. H.—Winchester  
 New England Box Co. .... A  
 N. J.—Jersey City  
 Dodge & Bliss Co. .... D  
 Vanderbeck & Sons .... AAA  
 N. J.—Lakewood  
 Major, G. J. .... D  
 N. J.—New Brunswick  
 Cronk, L. .... D  
 N. J.—Newton  
 Savacool, G. H. .... E  
 N. J.—Orange  
 Jenkins & Dodd ..... D  
 N. J.—Paterson  
 Harding & Sons, F. .... B  
 N. Y.—Albany  
 Draper, H. W. .... E  
 Romeyn, T. F. .... B  
 N. Y.—Amsterdam  
 Lair, J. A. .... E  
 N. Y.—Binghamton  
 Beman & Co. .... B  
 N. Y.—Brooklyn  
 Dykeman, J. H., 294 Nevins  
 A  
 Reeves, G. H., 300 Greene. A  
 Vernon, F. R. & F. J., 1018  
 Grand ..... A  
 N. Y.—Buffalo  
 Montgomery Door & Box Co.,  
 Court & Wilkinson .... A  
 N. Y.—Colden  
 Miller Bros. .... E  
 N. Y.—Collins  
 Soule, S. L. .... E  
 N. Y.—Farmersville Station.  
 Henry & Sons, Wm.  
 (Cheese) ..... E  
 N. Y.—Fillmore  
 Young & Young ..... D  
 N. Y.—Glens Falls  
 Glens Falls Box Co. .... D  
 N. Y.—Hammondsport  
 Champlin, H. M. .... C  
 N. Y.—Harrisville  
 Universal Woodenware Co.  
 (Fruit) ..... D  
 N. Y.—Ithaca  
 Bostwick, H. V. (Shooks). D  
 N. Y.—Lansingburg  
 West, J. E. .... D  
 N. Y.—Lestershire  
 Lestershire Lumber & Box  
 Co. .... B  
 N. Y.—Medina  
 Bignall Mfg. Co. .... A  
 N. Y.—Newark  
 Amer. Package Co. of  
 Newark (Fruit) ..... D  
 New York City  
 Carroll Box & Lumber Co.,  
 627 E. 18th ..... A  
 Contencin & Son, L., 2  
 State (Shooks) ..... A  
 Levison & Lamb Mfg. Co.,  
 271 Bway. .... D  
 Lowry & Co., R. C., 17  
 State (Shooks) ..... C  
 Novelty Drum Package Co.,

**BOXES, WOOD (Con.)**

40 Watts (Drums) .....D  
 N. Y.—North Tonawanda .  
 Butts & Co., C. G. ....B  
 Dodge & Bliss Box Co. ....D  
 N. Y.—Pulaaski  
 Tollners Sons Co., C. ....C  
 N. Y.—Rochester  
 Rochester Box & Lumber  
 Co. ....C  
 N. Y.—Romulus  
 Yerkes, J. ....E  
 N. Y.—Rouses Point  
 Millard Lumber Co.  
 (Shooks) .....A  
 N. Y.—Watervliet  
 Harrington Box Co. ....D  
 N. Y.—Williamson  
 Williamson Mfg. Co. (Fruit)  
 C  
 N. C.—Bethania  
 Knapp, T. F. (Tobacco) ...D  
 N. C.—Walkertown  
 Leight Bros. (Tobacco) ...C  
 OHIO—Auburn  
 Stafford & Co., G. W. ....E  
 OHIO—Barnesville  
 Hutchinson, E. J. ....D  
 OHIO—Cheviot  
 Kenker, Fred. ....E  
 OHIO—Columbus  
 Devon Lumber Co. (Poplar  
 Shooks) .....X  
 OHIO—Cincinnati  
 Conkling, E. A., 908 Bway. A  
 OHIO—Cleveland  
 Cleveland Box Co. (&  
 Shooks) .....C  
 Ohio Cooperage Co. (&  
 Shooks) .....B  
 OHIO—Defiance  
 Defiance Box Co. ....C  
 Tenzer Box Co., H. B. ....C  
 OHIO—Greenfield  
 Waddell Wooden Ware Co. B  
 OHIO—Marietta  
 Marietta Fruit Package &  
 Box Co. ....D  
 OHIO—Martins Ferry  
 Martins Ferry Keg & Bar-  
 rel Works .....E  
 OHIO—New Springfield  
 Reash, Andrew (Berry) ...E  
 OHIO—Sandusky  
 Sandusky Lumber & Box  
 Co. (& Shooks) .....A  
 OHIO—Sidney  
 Bryant, J. F. ....E  
 OHIO—Zanesville  
 Abel Box Co. ....E  
 OREGON—Astoria  
 Astoria Box Co. ....C  
 Clatsop Mill Co. ....B  
 OREGON—Hobsonville  
 Truckee Lumber Co. ....AA  
 PA.—Millmont  
 Smith & Co., W. E. ....C  
 PA.—Reading  
 Deysher, A. S. ....C  
 R. I.—Providence  
 Van Stone Mfg. Co. ....X  
 S. C.—Charleston  
 Atlantic Woodenware Co. D  
 TENN.—Dyer  
 Dyer Fruit Box Mfg. Co.  
 (Fruit) .....D  
 TENN.—Greenfield  
 Greenfield Box & Package  
 Co. (Fruit) .....A  
 TENN.—Humboldt  
 Jarrell & Co., B. C. (Fruit)  
 B  
 TENN.—Memphis  
 Anderson-Tully Co. (Cotton-  
 wood; Gum Shooks) ....A  
 TENN.—Trenton  
 Wade & Sons, R. H. ....D  
 TEXAS—Velasco  
 Velasco Box Factory ....E  
 UTAH—Ogden  
 Griffen Co., H. L. (Fruit;  
 Vegetable) .....D  
 VT.—Barton  
 Drew, G. A. ....C  
 VT.—Bristol  
 Drake, Smith & Co. ....C  
 VT.—Burlington  
 Hickok Co., H. ....B  
 Pope & Co., E. A. ....B  
 VT.—East Calais  
 Levison & Lamb Mfg. Co.  
 (Fancy) .....D  
 VT.—Johnson  
 Stearns & Son, O. W. ....C  
 VT.—Marshfield  
 Mears & Pitkin .....P

**BOXES, WOOD (Con.)**

VT.—Richford  
 Manuel & Sons, C. C. ....E  
 VA.—Roanoke  
 Good & Co., D. W., (Shooks)  
 D  
 WASH.—Fuyallup  
 Morse Mfg. Co., F. W. ....E  
 WASH.—Seattle  
 Queen City Mfg. Co. ....E  
 W. VA.—Keyser  
 Keyser Door & Box Co. ....C  
 WIS.—Eau Claire  
 Linderman Box & Veneer  
 Co. ....AAAA  
 WIS.—Green Bay  
 Murphy Box Co. ....AAAA  
 WIS.—Hazelhurst  
 Yawkey Lumber Co.  
 (Shooks) .....AAA  
 WIS.—Hustisford  
 Dehnse & Dehnse Mfg. Co.  
 (Cheese) .....D  
 WIS.—La Crosse  
 La Crosse Box Co. ....D  
 WIS.—Manitowoc  
 Schnoor Bros. ....E  
 WIS.—Marinette  
 Marinette & Menominee Box  
 Co. ....A  
 WIS.—Stevens Point  
 Stevens Point Box Co. (&  
 Shooks) .....C  
 WIS.—Watertown  
 Lewis Co., G. B. ....A  
 WIS.—Wausau  
 Goodwillie Bros. (Shooks) A  
 Wausau Box & Lumber Co.  
 (Pine; Basswood) .....C  
 Wisconsin Box Co. (Pine;  
 Basswood Shooks) .....C

**BOXWOOD**

MICH.—Grand Rapids  
 Grand Rapids Boxwood Mfg.  
 Co. ....F  
 New York City  
 Walker, Geo. H., 174 Centre  
 tre .....X  
 WIS.—Two Rivers  
 Hamilton Mfg. Co. (Engra-  
 vers') .....AA

**BRACELETS**

See Jewelry

**BRACES**

CONN.—Bridgeport  
 Fray & Co., Jno. S. (Stof-  
 ford Bit; Angle Bit; Cor-  
 ner Bit; Drill; Extension  
 Bit; Ratchet; Sleeve;  
 Plain Bit) .....C  
 Smith & Egge Mfg. Co.  
 (Bit) .....A  
 CONN.—Bristol  
 Bartholomew, H. S. (Bit) B  
 Turner & Deegan (Bit;  
 Gripe; Ratchet) .....E  
 CONN.—Hamden  
 Hamden Mfg. Co. (Bit) ...C  
 CONN.—Mount Carmel  
 Woodruff & Son, Walter W.  
 (Vehicle Top) .....A  
 CONN.—New Haven  
 Brown & Co., R. H. 169  
 Ashman (Bit) .....B  
 Cowles & Co. C., (Inc.)  
 (Vehicle Top) .....A  
 English & Mersick Co.  
 (Vehicle Top) .....C  
 Seward & Son Co., M.  
 (King Bolt) .....A  
 CONN.—Plantsville  
 Blakeslee Forging Co. ....B  
 Smith & Co., H. D. (Sleigh)  
 AA  
 CONN.—Southington  
 Peck, Stow & Wilcox Co.  
 (Bit; Carpenters; Ratchet)  
 AAAA  
 DEL.—Wilmington  
 Diamond State Steel Co.  
 (Cross Arm) .....AAA  
 ILL.—Chicago  
 Ajax Forge Co. (Rail) ..AA  
 Common Sense Truss Co.  
 (Shoulder) .....D  
 Haussman & Dunn  
 (Shoulder) .....C  
 Republic Iron & Steel Co.  
 Stock Exch. Bldg. (Cross;

**BRACES (Con.)**

Pole) .....AAAA  
 Byerson & Son, Jos. T., 18  
 Milwaukee Av. (Boiler)  
 AAAAA  
 Scully Steel & Iron Co., 140  
 Fulton (Boiler) .....AAA  
**ILL.—Downers' Grove**  
 Dicke Tool Co. (Bit for Elec-  
 tricians, Plumbers, &c.;  
 Telegraph Cross Arm)...D  
**ILL.—East St. Louis**  
 Elliott Frog & Switch Co.  
 (Rail) .....A  
**ILL.—South Chicago**  
 Morden Frog & Crossing  
 Wks. (Rail) .....A  
**IOWA—Des Moines**  
 Northwestern Suspender Co.  
 (Shoulder) .....C  
**IOWA—Ft. Madison**  
 Iowa Farming Tool Co.  
 (Scythe) .....A  
**KANS.—Salina**  
 Natural Body Brace Co.  
 (Body) .....C  
 Perfect Body Brace Co.  
 (Body) .....D  
**MAINE—Portland**  
 Laughlin Co., Thomas  
 (Rudder) .....A  
**MASS.—Easthampton**  
 Dibble & Warner (Shoulder)  
 B  
 Nashawannuck Mfg. Co.  
 (Shoulder) .....AA  
**MASS.—Greenfield**  
 Goodell Pratt Co. (Bit)...B  
 Wells Bros. & Co. (Bit)...A  
**MASS.—Millers Falls**  
 Millers Falls Co. (Bit) ..C  
**MASS.—Shelburn Falls**  
 Mayhew Co., H. H. (Bit)..C  
**MASS.—Winchendon**  
 Mason & Parker (Bit) ..D  
**MASS.—Worcester**  
 Winslow Skate Mfg. Co., S.  
 (Skate; Ankle) .....B  
**MICH.—Detroit**  
 Anderson & Sons, W. H.  
 (Cross Arm; Pole Arm)..C  
 Brownlee & Co. (Cross Arm)  
 AA  
 Michigan Bolt & Nut Wks.  
 ft. Meldrum Av. (Cross  
 Arm; Pole Arm) .....A  
**MINN.—Minneapolis**  
 Therien Tool Wks. (Cross  
 Arm) .....E  
**MO.—Kansas City**  
 Kansas City Bolt & Nut Co.  
 (Cross Arm; Pole Arm)..A  
**NEBR.—Lincoln**  
 Shinn, W. C. (Lightning  
 Rod) .....D  
**N. J.—Dover**  
 Ulster Iron Wks. (Boiler)  
 AA  
**N. J.—Jersey City**  
 Williams & Son, E. A.  
 (Rudder) .....AAA  
**N. Y.—Auburn**  
 Clapp Mfg. Co., E. D. (King  
 Bolt; Vehicle Top).....A  
**N. Y.—Binghamton**  
 Crandal, Stone & Co.  
 (Vehicle Top) .....A  
**N. Y.—Buffalo**  
 Du Mont Tool Co. (Bit;  
 Corner) .....X  
 Pratt & Letchworth Co.  
 (Wagon Box) .....AAA  
**N. Y.—Lancaster**  
 Lancaster Machine & Knife  
 Wks. (Ratchet; Straight  
 Bit) .....D  
**New York City**  
 Ferris Bros. Co. (Shoulder)A  
 Graham & Co., J. H., 118  
 Chambers (Bit) .....F  
 Jennings Co., C. E. (Bit)..D  
 N. J. Fdry. & Machine Co.  
 13 Murray (Cross Arm) D  
 Ogden Co., J. Edw., 147  
 Cedar (Cross Arm).....B  
 Sargent & Co., 151 Leonard  
 (Corner Water Closet Par-  
 titition) .....AAA  
 Tiebout, W. J., 118 Cham-  
 bers (Rudder) .....B  
**N. Y.—Rochester**  
 Fuller Co., Geo. R.  
 (Spinal) .....E  
**N. Y.—Schenectady**  
 General Electric Co. (Cross  
 Arm) .....AAAA

**BRACES (Con.)**

**N. Y.—Victor**  
 Locke, Fred M. (Telegraph  
 Cross Arm) .....A  
**N. C.—Winston-Salem**  
 Salem Iron Wks. (Cross  
 Arm) .....A  
**OHIO—Bucyrus**  
 Blair Husking Glove Co.  
 (Contractors' Corner)...D  
 Campbell Frog Wks. (Rail)  
 A  
**OHIO—Cincinnati**  
 Creaghead Engineering Co..  
 802 Plum (Cross Arm)...D  
 Weir Frog Co. (Rail)....A  
**OHIO—Cleveland**  
 Avery Stamping Co. (Cross  
 Arm) .....A  
 Eberhard Mfg. Co. (Sleigh)  
 AA  
 Forest City Steel & Iron Co.  
 (Telephone; Cross Arm)A  
 Standard Tool Co. (Bit)AAA  
**OHIO—Columbus**  
 Ohio Tool Co. (Bit) .....A  
**OHIO—Dayton**  
 Dayton Malleable Iron Co.  
 (Rail) .....AA  
**OHIO—Mansfield**  
 Ohio Brass Co. (Cross Arm)  
 B  
**OHIO—Niles**  
 Ohio Galvanizing & Mfg. Co.  
 (Cross Arm) .....B  
**PA.—Easton**  
 Knickerbocker Brace Co.  
 (Boys Shoulder) .....C  
 Natural Switch & Signal Co.  
 (Rail) .....X  
**PA.—Lebanon**  
 Amer. Iron & Steel Mfg. Co.  
 (Cross Arm; Pole Arm)  
 AAAA  
**PA.—Philadelphia**  
 Hastings & McIntosh Truss  
 Co. (Shoulder) .....B  
 Heinemann & Co., Geo. M.,  
 737 Girard Av. (Cross  
 Arm) .....F  
 Hoopes & Townsend Co. 1330  
 Buttonwood (Cross Arm)  
 AAA  
 Horn & Bro., W. H.  
 (Shoulder) .....B  
 Penna. Steel Co. (Rail)  
 AAAA  
 Philadelphia Truss Co.  
 (Shoulder) .....X  
 Seeley, Isaac B. (Shoulder)  
 F  
 Smith Co., J. Barton, How-  
 ard & Norris, (Bit)...AA  
 Stortz & Son, Jno., 210 Vine  
 (Bit) .....F  
**PA.—Pittsburg**  
 Hubbard & Co., Murtland  
 Bldg. (Cross Arm) .....A  
 Lanz Sons, Matthew, S. 29th  
 & Carson (Cross Arm; Pole  
 Arm; Side Arm Alley;  
 Double Arming Angle;  
 Flat) .....B  
 Oliver Iron & Steam Co.  
 (Cross Arm; Pole Arm)  
 AAAA  
**PA.—New Castle**  
 Vogan Bros. (Cross Arm).H  
**PA.—Reading**  
 Chantrell Tool Co. (Bit)...B  
**VT.—Derby Line**  
 Rutterfield & Co. (Bit)...B  
**VT.—Montpelier**  
 Sabin Machine Co. (Music  
 Rack) .....E  
**VA.—Richmond**  
 Old Dominion Iron & Nail  
 Wks. Co. (Cross; Pole  
 Arm) .....A  
**W. VA.—Wheeling**  
 Mountain State Electrical  
 Co. (Cross; Pole) .....D  
 Wheeling Hinge Co. (Cross  
 Arm; Box Corner) ...AA  
**WIS.—La Crosse**  
 Alberts, Max (Bow Leg) .H

**BRACKETS**

**ALA.—Birmingham**  
 Brewer, W. P. (Wooden).A  
**CONN.—Branford**  
 New York Lock Co. (Hand  
 Rail) .....B  
**CONN.—Bridgeport**  
 Bridgeport Gun Implement

**BRACKETS (Con.)**  
 Co. (Lamp) .....A  
 Bryant Electric Co. (Electric House) .....B  
**CONN.—Chester**  
 Brooks & Sons, M. S. (Extension Wire; Brass Plated) .....B  
**CONN.—East Hampton**  
 Bevin Bros. Mfg. Co. (Lamp) .....B  
 Climax Mfg. Co. (Lamp) F  
 Watrous Mfg. Co. (Bicycle Lamp) .....AAAA  
**CONN.—Guilford**  
 Spencer's Sons, I. S. (Electric House; Window) ..B  
**CONN.—Hartford**  
 Ideal Machine Co. ....D  
**CONN.—Ivoryton**  
 Comstock, Cheney & Co. (Action) .....AA  
**CONN.—Meriden**  
 Bradley & Hubbard Mfg. Co. (Flower Pot; Lamp; Druggists; Window Display) .....AAAA  
 Foster, Merriam & Co. (Candle; Lamp) .....A  
**CONN.—Middletown**  
 Wilcox-Crittenden & Co. (Flag Pole) .....A  
**CONN.—New Britain**  
 Brady, T. H., (Electric House; Shelf) .....C  
 Landers, Frary & Clark (Flower Pot) .....AAA  
 Russell & Erwin Mfg. Co. (Flower Pot; Hand Rail; Trolley Pole; Shelf; Lamp) D  
 Stanley Wks. (Wrought Steel Shelf) .....AAA  
 Stanley Rule & Level Co. (Roofing) .....AA  
 Union Mfg. Co. (Pew Rack; Stair Rail) .....AA  
**CONN.—New Haven**  
 Atlas Mfg. Co. (Stamped Shelf) .....F  
 Hendryx, Andrew B. (Bird Cage) .....A  
 Ives & Co., Hobart B. (Stair Rail) .....C  
**CONN.—Norwich**  
 Norwich Nickel & Brass Co. (Brass; Nickel; Window Display) .....B  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co. (Lamp; Rafter; Roofing; Shelf; Bird Cage; Flower Pot) .....AAAA  
**CONN.—Waterbury**  
 American Pin Co. (Brass; Lavatory; Tank; &c.)...A  
 Holmes, Booth & Haydens Co. (Inc.) (Lamp).....AAAA  
 New England Engineering Co. (Electric House)....A  
**CONN.—Winsted**  
 Strong Mfg. Co. (Casket).A  
**ILL.—Aurora**  
 Wilcox Mfg. Co. (Hand Rail) .....B  
**ILL.—Capron**  
 Leavitt, R. H. (Trolley Pole) .....D  
**ILL.—Chicago**  
 Allen-Hussey Co., 211 Randolph (Desk Telephone)F  
 Barbee Wire & Iron Wks. (Iron Balcony; Foot Rail; Ole; Blanket; Saddle) AA  
 Central Electric Co. 266 5th Av. (Wood Cross Arms; Pins) .....A  
 Clark & Co., A. C. (Dentists Wall) .....A  
 Illinois Malleable Iron Co. (Plumbers) .....AAAA  
 Lidell & Williams 597 Austin Av. (Wood) .....D  
 Nicol & Co. (Wagon Lamp) .....B  
 Noblitt Co., E. J., 898 35th (Wood Cross Arms; Trolley; Pins) .....C  
 Peirce, Jr., C. L., 14 S. Jeff. (Electric House) F  
 Sherman & Flavin (Wooden) B  
 Western Electric Co., 259 S. Clinton (Trolley Pole) AAAA

**BRACKETS (Con.)**  
**ILL.—Decatur**  
 Faries Mfg. Co. (Window Display) .....A  
**ILL.—Edwardsville**  
 Edwardsville Brass Co. (Iron; Steel; Brass)....B  
**ILL.—Freeport**  
 Arcade Mfg. Co. (Hand Rail; Shelf; Lamp; Flower Pot) .....A  
 Stover Mfg. Co. (Plumbers; Shelf; Bird Cage; Flower Pot; Lamp; Shade Roller) AA  
**ILL.—Quincy**  
 Modern Iron Wks. (Cast Iron Sink) .....B  
**ILL.—St. Charles**  
 Glenn Mfg. Co. (Hand Rail; Plumbers' Sink) .....D  
**IND.—Elkhart**  
 Buescher Mfg. Co. (Bicycle) A  
**IND.—Indianapolis**  
 Enterprise Foundry & Fence Co. (Counter) .....B  
 McQuat, Robt. L., 125 S. Meridian (Trolley Pole).C  
**IND.—Muncie**  
 Warner Electric Co. (Oxidized Finished Desk Telephone) .....O  
**IOWA—Fairfield**  
 Louden Machinery Co. (Rafter) .....B  
**LA.—Patterson**  
 Cypress Tank & Mfg. Co. (Wood) .....B  
**LA.—Whitecastle**  
 Whitecastle Lumber & Shingle Co. (Wood Cross Arms; Pins) .....AAA  
**MD.—Baltimore**  
 Baltimore Hinge Co. 1809 Bank (Shelf) .....D  
 Hoskins Lumber Co., J. S., Marine B'k. Bldg. (Wood Cross Arms; Pins) ....C  
 McShane Mfg. Co., H. 441 North (All Kinds) AAAA  
 Poole & Son Co., Robt. (Wall; Bicycle) .....A  
**MD.—Princess Anne**  
 Cohn & Bock (Insulator; Trolley Pole; Cross Arms; Pins) .....B  
**MASS.—Boston**  
 Bibber & Co., Thos. H. 37 Arch (Trolley Pole) ...X  
 Boston Bolt Co., 33 Purchase (Staging) .....B  
 Burnham & Duggan Ry. Appliance Co., 89 State (Trolley Pole) .....X  
 Jones & Co., M. D., 71 Portland .....F  
 Stearns Lumber Co., A. T. (Wood) .....AA  
 Sturtevant Co., B. F. (Shelf) .....AAA  
 Walworth Mfg. Co., 132 Federal (Trolley Pole)... AAAA  
 Young, Jos. H., 224 Franklin (Plumbers'; Galvanized Iron Tray; Sink) .....E  
**MASS.—Clinton**  
 Clinton Wire Cloth Co. (Counter) .....AAA  
**MASS.—Monson**  
 Danforth, A. H. (Folding) D  
**MASS.—Peabody**  
 Clark, A. F., (Est. of) (Wood Cross Arms; Pins) C  
**MASS.—Westfield**  
 Smith Co., H. B. (Steps) AA  
**MASS.—Worcester**  
 Bay State Stamping Co. (Adjustable Curtain)...E  
 National Mfg. Co. (Counter) A  
 Wright Wire Co. (Counter) AA  
**MICH.—Detroit**  
 Buckley-Hart Mfg. Co., 527 Franklin (All kinds) ...D  
 Ireland & Matthews Mfg. Co. (for Plumbers' Tanks) A  
 Northwestern Fdry. & Supply Co. (Sink) .....D  
 Park & McKay .....D  
 Smith Co., Jos. N. 29 W. Larned (Automobile)

**BRACKETS (Con.)**

Lamp) .....C  
**MICH.—Grand Rapids**  
 Grand Rapids Brass Co.  
 (Shelf) .....A  
**MICH.—Monroe**  
 Sterling & Son, W. C.  
 (Wood Cross Arms; Pins) .....A  
**MICH.—Saginaw**  
 Morse Cedar Co. (Wood  
 Cross Arms; Pins) .....C  
**MISS.—Meridian**  
 Brownlee & Co. (Wood Cross  
 Arms; Pins) .....C  
**MO.—Macon**  
 Patton, J. W. (Shelf) .....B  
**MO.—St. Louis**  
 Berthold & Jennings (Wood  
 Cross Arms; Pins) .....A  
 Kupferle, Jno. C. (Sink;  
 Tank; &c.) .....A  
 Nelson Mfg. Co., N. O., 424  
 N. 8th (All kinds) .....AAA  
 Pleuger & Henger Mfg. Co.  
 (Plumbing; Hand Rail;  
 Shelf; Flower Pot) .....A  
**N. H.—Manchester**  
 Campbell, Jno. (Harness) .....X  
**N. H.—Milford**  
 Pierce & Co., Wm. E.  
 (Wood) .....F  
**N. J.—Montclair**  
 Heller & Co., W. C. (Fork;  
 Hoe; Rake; Shovel) .....D  
**N. J.—Newark**  
 Redman & Co., C. H.  
 (Dental) .....E  
 Sommers' Son, Jno.  
 (Insulator) .....B  
**N. J.—Salem**  
 Salem Brass & Iron Mfg. Co.  
 (Brass Lavatory) .....B  
**N. Y.—Brooklyn**  
 Hecla Iron Wks. (Iron  
 Lamp) .....AA  
**N. Y.—Buffalo**  
 Buffalo Dental Mfg. Co.  
 (Dental) .....C  
 Forsyth Mfg. Co. (Bicycle  
 Lamp) .....A  
 Noye Mfg. Co., Jno. T.  
 (Wall) .....B  
**N. Y.—Homer**  
 Phoenix Hdw. Mfg. Co.  
 (Shelf) .....D  
**New York City**  
 Almone Mfg. Co. (Bamboo  
 Wall) .....B  
 Amer. Bridge Co., 100 Bway.  
 (Steel Trolley Pole) .....AAAA  
 Brass Goods Mfg. Co., 7  
 Warren (Shelf) .....B  
 Brown Co., A. & F. (Wall) .....A  
 Davenport & Treacy Co.  
 (Action) .....B  
 De Veau Telephone Mfg. Co.  
 27 Rose (Desk Telephone)  
 .....D  
 Dimond, Thomas (Iron  
 Balcony) .....A  
 Eccleston Lumber Co., 29  
 Bway. (Wood; Trolley  
 Pole; Cross Arms; Pins) .....D  
 Fiske Iron Wks., J. W.  
 (Iron Balcony; Street  
 Lamp) .....A  
 Gould Mersereau Co. (Brass  
 Wall) .....B  
 Judd & Co., H. C. (Brass;  
 Nickel; Picture Rod; Ole  
 Lamp; Brass Wall) .....AA  
 Krieg & Co., J. K. (Window  
 Display) .....A  
 Lalance & Grosjean Mfg. Co.  
 19 Cliff (Plumbers') .....AAAA  
 Lamb, J. & R. (Brass;  
 Nickel; Candle; Lamp;  
 Iron Lamp) .....D  
 McCreary & Co., A. A. 136  
 Liberty (Flexible) .....F  
 Manhattan Brass Co.  
 (Lamp) .....AA  
 Maxwell, Jno. (Bird Cage) .....D  
 Mott Iron Wks. 88 Beekman  
 (All Kinds) .....AA  
 Mullaney's Son, Jas., 25th  
 & Lex. Av. (Brass Basin;  
 Cistern) .....D  
 Nason Mfg. Co. (Foot  
 Rail) .....A  
 Phelan, D. W., 277 Bway.  
 (Wood Cross Arms; Brack-  
 ets; Pins) .....F  
 Railway & Electric Supply

**BRACKETS (Con.)**

Co., 115 Bway. (Trolley  
 Pole) .....H  
 Sargent & Co., 151 Leonard  
 (Shelf; Hand Rail; Win-  
 dow Screen; Corner) .....AAAA  
 Strauch Bros. (Action) .....A  
 Tiebout, W. J. (Axe) .....B  
**N. Y.—Schenectady**  
 General Electric Co. (Trolley  
 Pole) .....AAAA  
**N. Y.—Syracuse**  
 Stearns & Co., E. C.  
 (Plumbers') .....AA  
 Zimmerman, Chas. E., 204  
 Burnet Av. (Wood) .....H  
**N. Y.—Victor**  
 Locke Insulator Mfg. Co.  
 (Wood Cross Arms; Trol-  
 ley) .....A  
**N. C.—Aberdeen**  
 Frost, Geo. A. (Wood Cross  
 Arms; Brackets; Pins) .....E  
**N. C.—Asheville**  
 Blue Ridge Locust Pin Co.  
 (Trolley Pole) .....H  
**N. C.—Elkin**  
 Bally Mfg. Co. (Wood Cross  
 Arms; Brackets; Pins) .....X  
**N. C.—Rural Hall**  
 Knapp & Miller Co. (Wood  
 Cross Arms; Wood Insu-  
 lator) .....E  
**OHIO—Ashland**  
 Myers & Bro., F. E.  
 (Rafter) .....AA  
**OHIO—Ashtabula**  
 Barber Mfg. Co. (Adjustable  
 Nickled, &c.) .....C  
**OHIO—Canton**  
 Nev Mfg. Co. (Rafter) .....B  
**OHIO—Cincinnati**  
 Creaghead Eng. Co., 313  
 Walnut (Flexible Trolley  
 Pole) .....D  
 Tatam Co., Saml. C.  
 (Shelf) .....B  
**OHIO—Cleveland**  
 Sanitary Co., 335 Huron  
 (Plumbers' Brass) .....C  
 Taylor & Boggis Fdry. Co.  
 (Shelf) .....AA  
 Van Dorn & Dutton Co.,  
 1796 E. Mad. (Trolley  
 Pole) .....AA  
**OHIO—Columbus**  
 Kilbourne & Jacobs Mfg. Co.  
 (Steel Sink; Truck) .....AAAA  
**OHIO—Dayton**  
 Darton Malleable Iron Co.  
 (Shelf) .....AA  
 Dayton Mfg. Co., 2240 E.  
 3d (Trolley Pole) .....A  
 Fletcher Mfg. Co. (Insu-  
 lated; Electric House;  
 Cross Arms; Pins) .....D  
**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred J.  
 (Office; Flower Pot;  
 Counter) .....B  
**OHIO—Kenton**  
 Champion Iron Co. (Iron  
 Balcony) .....AA  
**OHIO—Mansfield**  
 Barnes Mfg. Co. (Plumbers';  
 &c.) .....B  
 Ohio Brass Co. (Trolley  
 Pole; All Kinds) .....B  
**OHIO—Piqua**  
 Piqua Bracket Co. (Shelf) .....E  
**OHIO—Springfield**  
 Elect. Construction Supply  
 Co. (Electric House) .....E  
**OHIO—Toledo**  
 Mellink Mfg. Co. (Desk  
 Telephone) .....C  
**PA.—Allegheny**  
 McKinney Mfg. Co. (Shelf)  
 .....AA  
 Pittsburg Lamp & Brass Co.  
 (Brass; Nickel; Iron  
 Lamp) .....AAAA  
**PA.—Columbia**  
 Columbia Grey Iron Casting  
 Co. (Flower Pot) .....A  
**PA.—Erie**  
 Griffin Mfg. Co. (Shelf;  
 Lavatory; Steel Folding;  
 Sink; Flush; Tank;  
 Plumbing) .....A  
**PA.—Philadelphia**  
 Berger Bros. Co., 231 Arch  
 (Roofing) .....A  
 Cresson Co., Geo. V. (Wall)  
 .....AA  
 Fairmount Machine Co.

**BRACKETS (Con.)**

(Wall) .....A  
 Haines, Jones & Cadbury Co.  
 1136 Ridge Av. (Plum-  
 bers') .....AA  
 Heinemann & Co., G. M.,  
 737 Girard Av. (Electric  
 House; Trolley Pole) ...E  
 Johnson & Lund (Dental)AA  
 K. & B. Co. (Wood Cross  
 Arms; Brackets; Pins)E  
 McCambridge & Co., 527  
 Cherry (Plumbers'; Brass;  
 Nickel) .....B  
 Newell-Booth Co., Broad &  
 Buttonwood (Plumbers';  
 Nickel Plated) .....E  
 Philadelphia Novelty Mfg.  
 Co. (Shelf) .....B  
 Sibley, Gideon (Dental) AA  
 Union Railway Supply Co.  
 Real Estate Trust Bldg.  
 (Wood Cross Arms; Pins)  
 B  
 Wiler, Wm. (Ole; Umbrella;  
 Window Display) .....B  
**PA.—Pittsburg**  
 Hubbard & Co. Murtland  
 Bldg. (Trolley Pole)A  
 Oliver Iron & Steel Co.  
 (Steel Trolley Pole)AAAA  
 Pittsburg Brass Co. (Brass;  
 Nickel; Nickered Steel)X  
 Standard Mfg. Co. (Brass;  
 Nickel) .....AA  
**PA.—Reading**  
 Penna. Hdw. Co. (Shelf;  
 Plumbers'; Cast; Wrought  
 Steel) .....AA  
 Reading Hdw. Co. (Iron;  
 Brass Shelf; Hand Rail;  
 Lamp; Flower Pot; Win-  
 dow Screen Corner) AAA  
**PA.—Somerset**  
 Endaley, J. W. (Wood Cross  
 Arms; Pins) .....E  
**PA.—Wilkesbarre**  
 Vulcan Iron Wks. (Iron  
 Balcony) .....AAAA  
**PA.—Wrightsville**  
 Wrightsville Hdw. Co.  
 (Plain; Sink; Japanned;  
 Nickel Plated; &c.; Shelf;  
 Trolley Pole; Flag Pole)C  
**R. I.—Providence**  
 New England Butt Co.  
 (Shelf) .....A  
**TENN.—Chattanooga**  
 Central Mfg. Co. (Wood  
 Cross Arms; Insulator;  
 Trolley) .....B  
**TENN.—Johnson City**  
 Harris, Wm. P. (Wood  
 Cross Arms; Pins).....E  
**TEXAS—Beaumont**  
 Texas Arm & Pin Co. (Wood  
 Cross Arms; Pins; Pine  
 Insulator) .....D  
**VT.—Putney**  
 Stowell Mfg. Co. (Folding  
 Scaffold) .....D  
**VA.—Norfolk**  
 Walworth & Nevill Mfg. Co.  
 (Wood Cross Arms; Pins)  
 AA  
**VA.—Round Hill**  
 Moatz & Carnes (Wood Cross  
 Arms; Pins) .....H  
**W. VA.—Terra Alta**  
 Rinard Lumber Co. (Wood  
 Cross Arms; Trolley)...E  
**W. VA.—Wheeling**  
 Mountain State Electrical  
 Co. (Wood Cross Arms;  
 Trolley) .....D  
**WIS.—Milwaukee**  
 Bayley & Sons Co., W.  
 (Shelf; Office; Counter)A  
 Meincke & Son, A. (Bam-  
 boo Wall) .....AA  
 Wisconsin Bridge & Iron Co.  
 Pabst Bldg. (Office; Trol-  
 ley Pole) .....AA  
**WIS.—Oshkosh**  
 Gould Mfg. Co. (Wooden) A  
 McMillen Co., R. (Wooden)  
 A  
 Oshkosh Logging Tool Co.  
 (Trolley Pole) .....C  
**WIS.—Racine**  
 Racine Malleable & Wrought  
 Iron Co. (Rafter) .....AA  
**WIS.—So. Milwaukee**  
 Stowell Mfg. & Fdry. Co.  
 (Plain; Japanned; Nickel  
 Plated; Sink; Shelf;

**BRACKETS (Con.)**

Plumbing) .....A

**BRADS**

**CONN.—New Britain**  
 Stanley Works .....AAAA  
**ILL.—Grand Crossing**  
 Chicago Tack Co. ....B  
 Grand Crossing Tack Co...A  
**IND.—Madison**  
 Tower Mfg. Co. ....A  
**MASS.—Plymouth**  
 Cobb & Drew .....AA  
**MASS.—Worcester**  
 Wire Goods Co. (Wire; Wire  
 Steel) .....B  
 New York City  
 Russell & Erwin Mfg. Co.  
 (Wire) .....AAAA  
**PA.—Philadelphia**  
 Duncannon Iron Co. ....AA  
**R. I.—Providence**  
 American Screw Co. (Wire)  
 AAAA  
**WIS.—Milwaukee**  
 Milwaukee Tack Co. (Wire)  
 C

**BRAID**

**CONN.—Bridgeport**  
 Connecticut Web. Co.  
 (Cotton) .....A  
**CONN.—Hamden**  
 New Haven Webb Co. (Cot-  
 ton) .....A  
**CONN.—New Haven**  
 Globe Silk Works (Marvin  
 & Pardee) (Silk) .....B  
**CONN.—Putnam**  
 Hammond, Knowlton & Co.  
 (Silk) .....B  
**CONN.—Westport**  
 Lees Mfg. Co. ....A  
**ILL.—Chicago**  
 Chicago Braiding & Em-  
 broidery Co., 254 Frank-  
 lin (Silk) .....B  
**MASS.—Becket**  
 Becket Silk Mills (Silk;  
 Mohair; Cotton) .....F  
**MASS.—Boston**  
 Schoenfuuss, F. J. (Silk)...F  
**MASS.—E. Braintree**  
 Jenkins Mfg. Co. (Cotton)B  
**MASS.—Easthampton**  
 Glendale Elastic Fabrics Co.  
 A  
**MASS.—Fall River**  
 Hanscom Bros. (Cotton) ..F  
 Heywood Narrow Fabric Co.  
 (Cotton) .....D  
**MASS.—Holyoke**  
 Skinner Mfg. Co., Wm.  
 (Silk) .....AA  
**MASS.—Lawrence**  
 Wright Mfg. Co. (Worsted)  
 B  
**MASS.—No. Grafton**  
 Paton, Wm. (Cotton) ..AA  
**MASS.—Pittsfield**  
 Rice & Co., A. H. (Silk;  
 Mohair) .....A  
**MASS.—Sandwich**  
 Armstrong Braiding Co.  
 (Silk; Mohair) .....D  
**MASS.—Springfield**  
 Union Braiding Co. (Silk)C  
**MICH.—Belding**  
 Belding Bros. & Co. (Silk;  
 Mohair) .....AAAA  
 Richardson Silk Co. (Silk;  
 Mohair) .....A  
**N. J.—Paterson**  
 American Braid Co. (Silk)D  
 Gregory, Wm. (Silk) ....F  
**N. J.—W. Hoboken**  
 Mandel, Geo. (Silk; Mohair;  
 Cotton) .....C  
**N. Y.—Brooklyn**  
 Barthels Mfg. Co. ....A  
 Castle Braid Co. (Silk; Mo-  
 hair) .....AA  
 Levi, Joseph (Silk) .....C  
 Moll Mfg. Co., Aug. (Silk;  
 Cotton; Mohair) .....B  
**N. Y.—Harrison**  
 Moosehead Silk Co. (Silk)X  
 New York City  
 Bedell, E. W. (Com.)....C  
 Hammond, Knowlton & Co.  
 (Silk) .....B  
 Hertlein, Chr. E. (Silk)...A  
 Hofman & Ellrodt (Silk)...C  
 Jonas & Co., Wm. (Silk)...O

**BRAID (Con.)**  
 Kresse, F. C. (Silk; Worst-  
 ed; Mohair; Tinsel) ..F  
 Kursheedt Mfg. Co. (Silk)..  
 AA  
 Moll Mfg. Co., Aug. (Silk) ..  
 B  
 New York Braid Co. (Silk;  
 Mohair) .....B  
 Poncet & Neeses (Silk) ...B  
 Richardson Silk Co. (Silk) A  
 Salmon, Wm. (Silk; Mohair;  
 Cotton) .....C  
 Schmitzler, B. (Silk) .....C  
 Snedeker & Co. (Com.).....C  
 Sutro Bros. Braid Co. (Silk;  
 Mohair) .....A  
 Van Nostitz & Trube (Silk;  
 Mohair) .....C  
 Wright & Graham (Com.) B  
 N. Y.—Rochester  
 Rochester Textile Wks.  
 (Dress) .....E  
 Vogt Mfg. & Coach Lace Co.  
 (Silk Skirt) .....A  
**OHIO—Cincinnati**  
 Hoffmeister Co., Alb. F...C  
 PA.—Philadelphia  
 Friedberger Mfg. Co. (Cot-  
 ton; Silk) .....A  
 Keystone Braid Co. (Mohair;  
 Silk; Worst) .....A  
 Loeb, Lipper & Co. (Silk) A  
 Rosenau & Co., S. (Silk; A  
 Cotton; Mohair) .....A  
 PA.—Pittston  
 Franklin Mill (Cotton) ...D  
 E. I.—Pawtucket  
 Goff & Sons, D. (Mohair) AAA  
 Kenyon Mfg. Co., Jno. J.  
 (Cotton) .....B  
 R. I.—Providence  
 Fletcher Mfg. Co. (Cotton) AAA

## BRAKES

See also Hardware; Car-  
 riage & Wagon.

**CONN.—Bristol**  
 New Departure Bell Co.  
 (Bicycle; Coaster) .....A  
**CONN.—East Hampton**  
 Bevin Bros. Mfg. Co.  
 (Bicycle) .....B  
**CONN.—New Haven**  
 Goodrich & Co., J. F. (Car-  
 riage) .....AA  
**ILL.—Chicago**  
 Dreis Andrews & Krump,  
 3216 S. Halsted (Cornice) E  
 Eames Vacuum Brake Co.,  
 279 Dearborn (Air) ....X  
 McGuire Cummings Mfg. Co.  
 122 N. Sangamon (Car) AA  
 Turner Brass Wks. (Bicycle) D  
**IOWA—Muscatine**  
 Giesler & Co. (Wagon)....D  
**MD.—Baltimore**

Ives Mfg. Co., 203 Hanover  
 (Bicycle) .....E  
**MASS.—Boston**  
 United States Steel Co., 145  
 Oliver (Electric Car) ..D  
**MICH.—Battle Creek**  
 Knell Air Brake Co. (Air;  
 Electric Car; Electric  
 Crane; Car) .....D  
**MICH.—Detroit**  
 Magann Air Brake Co., G.  
 P., 4th & Porter (Air;  
 Electric Car; Automobile  
 Air; Car) .....D  
**MO.—St. Louis**  
 American Brake Co. (Loco-  
 motive) .....A  
 N. J.—Newark  
 Ohl & Co., G. A. (Cornice) B  
 Sterling-Meaker Co., 420  
 Ogden (Car; Electric Car;  
 Momenive; Safety Brake) A  
 N. Y.—Buffalo  
 Double Truss Cornice Brake  
 Co., 37 Chandler (Cornice) D  
 Forsyth Mfg. Co. (Bicycle) C  
 Niagara Machine & Tool  
 Wks. (Cornice) .....AAA

**BRAKES (Con.)**  
 New York City  
 Bemis Car Truck Co., 120  
 Liberty (Car) .....E  
 Graham & Co., J. H., 113  
 Chambers (Coaster; Bicy-  
 cle) .....AA  
 New York Air Brake Co.,  
 66 Bway. (Air; Vacuum;  
 Automatic Air; Car; Loco-  
 motive) .....AAA  
 Peckham Mfg. Co., 26 Cort-  
 landt (Car; Friction; &c.) A  
 Peck, Stow & Wilcox Co.,  
 27 Murray (Cornice) AAAA  
 Standard Air Brake Co., 26  
 Cortlandt (Automatic Air) AAA  
 Stephenson Co. Jno. (Ltd.)  
 16 Exchange Pl. (Car)...A  
 N. Y.—Schenectady  
 General Electric Co. (Elec-  
 tric Car; Car) .....AAAA  
 N. Y.—Syracuse  
 Western Co., I. A. (Bicycle) C  
 N. Y.—Troy  
 Taylor Electric Truck Co.  
 (Car) .....B  
**OHIO—Cincinnati**  
 Robinson Mfg. Co., J. M.,  
 62 Central Av. (Cornice;  
 Hand; Heavy Bending)..C  
**OHIO—Cleveland**  
 Cleveland Hdw. Co.  
 (Wagon) .....A  
 Electric Controller & Supply  
 Co., Central & Giddings  
 Av. (Electric Crane) ...C  
 Van Dorn & Dutton Co.,  
 1796 E. Madison Av. (Car) A

**OHIO—Piqua**  
 Poorman Mfg. Co. (Cornice) E  
 PA.—Philadelphia  
 Brill Co., J. G., 62nd &  
 Woodland Av. (Car) AAA  
 PA.—Pittsburg  
 Westinghouse Air Brake Co.  
 (Air; Locomotive; Auto-  
 matic Air; Car; Steam;  
 Vacuum) .....AAAA  
 PA.—Wilkesbarre  
 Vulcan Iron Wks. (Steam;  
 Vacuum) .....AAAA  
 PA.—Wilmerding  
 Standard Traction Brake Co.  
 (Electric Car) .....AAAA  
**WIS.—Milwaukee**  
 Christensen Eng. Co. (Air;  
 Electric Car; Automatic  
 Air) .....A  
 Nat. Elec. Co. (Auto. Air) AA  
**WIS.—Racine**  
 Belle City Mfg. Co. (Wagon) B  
 Freeman & Co., Geo. B.  
 (Wagon) .....E  
 Racine Malleable & Wrought  
 Iron Co. (Wagon) .....B

## BRAN

**ALA.—Florence**  
 Florence Milling Co. ....D  
**CAL.—Los Angeles**  
 Capitol Milling Co. ....AA  
**ILL.—Chicago**  
 Elkhart & Swan Milling Co. AAA  
 Norton & Co. ....AA  
**ILL.—Quincy**  
 Dick Bros. Milling Co....A  
 I. T.—Muskogee  
 Muskogee Roller Milling Co.  
 (Patterson Merc. Co.) AA  
**KANS.—Forsha**  
 Forsha, A. L. ....B  
**KANS.—Fort Scott**  
 Goodlander Milling Co....B  
**KANS.—Independence**  
 Eagle Roller Mills .. ...F  
**KANS.—Lawrence**  
 Bowersock Milling Co. (J.  
 D. Bowersock) .....AA  
**KANS.—McPherson**  
 Pearl Milling Co. ...., D  
**KANS.—Sterling**  
 International Roller Mills.F  
**MICH.—Grand Rapids**  
 Voight Milling Co. ....AA



**BRAN (Con.)**  
**MINN.**—New Ulm  
 Eagle Roller Mill Co...AAA  
**MO.**—Marionville  
 Marionville Roller Mill Co. B  
**MO.**—Oakgrove  
 Oakgrove Mill Co. ....E  
**MO.**—St. Louis  
 Eggers Milling Co., H. B. A  
**MO.**—Springfield  
 Meyer & Sons, Jno. F. ....AA  
**MO.**—Webb City  
 Veatch Milling Co., S. H. ...F  
**NEBR.**—Broken Bow  
 Broken Bow Roller Mill...F  
**N. Y.**—Rochester  
 Whitney & Wilson .....X  
**OHIO**—Toledo  
 Harter Milling Co., Isaac AAA

**OREGON**—Corvallis  
 Benton County Flouring Mills Co. ....O  
**PA.**—Fertility  
 Groff, I. B. ....F  
**PA.**—Irwin  
 Irwin Flour Mills.....B  
**UTAH**—Salt Lake City  
 Inter-Mountain Milling Co. D

## BRANDS

**CONN.**—Bridgeport  
 Schwerdtle Stamp Co. (Burning) .....G  
**CONN.**—Hartford  
 Parker, T. M. (Burning)..G  
**CONN.**—New Haven  
 Heggson & Pettis Mfg. Co. (Burning) .....A  
**ILL.**—Chicago  
 Bartlett & Sons, M. J., 196 S. Clark (Stock Marking) H  
**MASS.**—Boston  
 Woodman Mfg. & Supply Co. (Burning) .....F  
**MASS.**—Springfield  
 Smith Mfg. Co., R. H. (Burning) .....O  
**MO.**—St. Louis  
 Brecht Butchers' Supply Co., G. V. (Bacon) .....AAA  
 Illig & Hartman, 211 Pine (Burning) .....E  
**New York City**  
 Butler, A. G., 284 Pearl (Burning) .....F  
 Ness, Jr., Geo. M., 61 Fulton (Burning) .....G  
 New York Stencil Works (Burning) .....D  
 Stafford Co., N. (Burning) F  
**OHIO**—Cincinnati  
 Murdoch, Jr. Jas., 116 Longworth (Burning) .....B  
**OHIO**—Cleveland  
 Sackman, F. A. (Burning).F  
**WIS.**—Milwaukee  
 Pawling & Harnischfeger (Brewers' Bung) ....AAA

## BRANDY

See Liquors

## BRASS

See also Ingots

**CONN.**—Bridgeport  
 Bridgeport Brass Co. (Bar; Angles; Figured; Rod; White; Roll; Sheet; Strip; Embossed; Hoop; Printers' Rule; Sign; Spring; Brazing) .....AA  
**Bridgeport Deoxidized Bronze & Metal Co.** (Aluminum; Cartridge; Sheet; White) .....B  
**CONN.**—Seymour  
 Seymour Mfg. Co. (Sheet) AA  
**CONN.**—South Windham  
 Smith & Winchester Co. (Roll) .....A  
**CONN.**—Torrington  
 Coe Brass Mfg. Co. (Cartridge; Roll; Sheet Angles) AAAA

**BRASS (Con.)**  
**CONN.**—Waterbury  
 Benedict & Burnham Mfg. Co. (Angles) .....AAAA  
 Holmes, Booth & Hayden Co. (inc.) (Cartridge; Roll; Sheet) .....AAAA  
 Plume & Atwood Mfg. Co. (Roll; Sheet; Hoop; Printers' Rule; Spring; Brazing) .....AAA  
 Randolph-Clowes Co. (Sheet; Roll; Sign; Engravers') AAA  
 Scoville Mfg. Co. (Aluminum; Bar; Cartridge; Roll; Sheet; Stick; Strip; Brazing) .....AAAA  
 Waterbury Brass Co. (Roll; Sheet; Embossed; Angles) AAAA

**ILL.**—Chicago  
 Chicago Brass Co. (Printers' Rule; Roll; Sheet) .....D  
 Harrington & King Perforating Co., 224 N. Union (Perforated Sheet) .....A  
**ILL.**—Evanston  
 Mark Mfg. Co. (Perforated) AA

**ILL.**—Peru  
 American Nickeloid & Mfg. Co. (Coated Sheet Zinc; Polished) .....F

**MICH.**—Detroit  
 Detroit Copper & Brass Rolling Mills (Bar; Roll; Sheet; Angles) .....AAAA

**MICH.**—Grand Rapids  
 Grand Rapids Brass Co. (Sheet) .....A

**N. J.**—Jersey City  
 Williams & Son, E. A. (Stick) .....AAA

**N. Y.**—Lockport  
 Cowles Electric Smelting & Aluminum Co. (Aluminum) .....B

**New York City**  
 Ansonia Brass & Copper Co., 99 John (Bar; Roll; Sheet; Strip; Embossed; Sign; Figured) .....AAAA

**Manhattan Brass Co.** (Roll; Sheet; Angles) .....AA  
 Mundt & Sons, Chas., 441 Pearl (Perforated Sheet) B

**N. Y.**—Rome  
 Rome Brass & Copper Co. (Sheet; Angles) .....AAAA

**PA.**—Philadelphia  
 Merchant & Co. (Angles).AA

**PA.**—Pittsburg  
 Hussey & Co., C. G. (Roll; Sheet) .....AAA

**McKenna Bros. Brass Co.** (Roll; Sheet; Sign; Engravers') .....A

**Pittsburg Reduction Co.** (Aluminum) .....AAAA

**R. I.**—Providence  
 Wall & Co., A. T. (Sheet) C

**WIS.**—Milwaukee  
 Toepfer & Sons, W. (Perforated) .....B

## BRAYERS

**New York City**  
 Hoe & Co., R. (Printers') AAAA

**N. Y.**—Brooklyn  
 Wesel Mfg. Co., F. (Printers') .....AA

**OHIO**—Cleveland  
 Chandler & Price Co., 82 E. Prospect (Printers')..A

## BRAZIERS

**ILL.**—Chicago  
 Arnstein, Eugene (Hot Blast) .....A

**Turner Brass Works** (Hot Blast) .....A

**MICH.**—Detroit  
 Union Heater Supply Co. (Hot Blast) .....G

**N. Y.**—Buffalo  
 Buffalo Dental Mfg. Co. (Bicycle) .....B

**OHIO**—Toledo  
 National Cement & Rubber

**BRAZIERS (Con.)**

Mfg. Co. ....C

**BRAZING****PA.—Reading**

Reading Machine &amp; Tool Co. B

Reading Standard Cycle  
Mfg. Co. ....B**BREAKERS****CONN.—Ansonia**

Farrell Foundry &amp; Machine

Co. (Stone) .....AAAA

**GA.—Augusta**

Lombard Iron Works &amp; Sup-

ply Co. (Oil Cake)....A

**ILL.—Chicago**

Atkinson Co., J. M., 2427

Calumet Av. (Circuit)...F

Porter &amp; Berg, 309 Dear-

born (Circuit) .....F

Scully Steel &amp; Iron Co.

(Staybolt) .....AAA

**ILL.—Harvey**

Whiting Fdy. &amp; Equipment

Co. (Casting; Scrap) .AA

**IND.—Mishawaka**

Dodge Mfg. Co. (Casting;

Scrap) .....AAA

**MASS.—Boston**

Boston Electric Co., 29 Har-

rison Av. (Circuit) ....B

Bradley Fertilizer Co. (Phos-

phate) .....X

Condit, Jr. &amp; Co., S. B., 63

Oliver (Circuit) .....F

Firth Co., Wm., 150 Dev-

onshire (Bale) .....D

Sturtevant Mill Co. (Phos-

phate) .....B

**MICH.—Detroit**

Fisher Electrical Wks., 183

Larned (Circuit) .....D

**N. Y.—Bronxville**

Leonard Electric Co., W.

(Circuit) .....B

**N. Y.—Brooklyn**

Ross &amp; Son, Chas., 16 Steu-

ben (Glue) .....D

**N. Y.—Buffalo**

McCarthy Bros. &amp; Ford, 43

N. Division (Circuit)...E

Noye Mfg. Co., Jno. T.

(Coal; Phosphate) .....D

**New York City**

Carpenter Enclosed Resist-

ance Co., 78 E. 181st (Cir-

cuit) .....B

General Incandescent Arc

Light Co., 572 1st Av.

(Circuit) .....A

**Hunt Co., C. W. (Coal) .AA****Jennings Co., C. E., 42 Mur-**

ray (Ice) .....D

**La Roche Co., F. A., 656**

Hudson (Circuit) .....E

**N. Y.—Schenectady**

General Electric Co. (Cir-

cuit) .....AAAA

**OHIO.—Cleveland**

Brown Hoisting Mch. Co.

(Pig Iron) .....AAAA

**OHIO.—Columbus**

Jeffrey Mfg. Co. (Coal) .AA

**OHIO.—Mansfield**

Hartman Circuit Breaker Co.

(Circuit) .....F

Ohio Brass Co. (Circuit; Au-

tomatic) .....B

**OHIO.—Springfield**

Foos Mfg. Co. (Oil Cake) .A

**PA.—Allegheny**

Carlins' Sons, Thos. (Skull)

A

**PA.—Carbondale**

Hendrick Mfg. Co. (Coal)

AA

**PA.—Easton**

Wilson Bros. (Phosphate) .A

**PA.—Philadelphia**

Cutter Electrical &amp; Mfg.

Co., 19th &amp; Hamilton (Cir-

cuit) .....A

**Harrison Safety Boiler**

Works, 3194 N. 17th (Ice)

A

**North Bros. Mfg. Co., Le-**

high Av. &amp; American (Cir-

cuit; Ice) .....A

**Westinghouse Electric &**

Mfg. Co., Westinghouse

Bldg. (Circuit) ....AAAA

**BREAKERS (Con.)****PA.—Scottdale**

Kenney &amp; Co. (Coal) .....A

**PA.—Scranton**

Dickson Mfg. Co. (Coal;

Phosphate) .....D

**PA.—Wilkesbarre**

Vulcan Iron Works (Coal;

Phosphate) .....AAAA

**PA.—York**

Mottet &amp; Sons, Geo. F.

(Phosphate) .....B

**R. I.—Pawtucket**

Howard &amp; Bullough, Am.

Machine Co., Ltd. (Bale)

AAA

**WIS.—Milwaukee**

Cutler-Hammer Mfg. Co.

(Circuit) .....A

**BREAKS****IND.—Indianapolis**

Over. Ewald (Hemp) .....C

**IND.—South Bend**

Studebaker Bros. Mfg. Co.

(Wagon) .....AAAA

**N. J.—Newark**

Sacks Iron Foundry, Louis

(Peg) .....A

**BREASTS****PA.—Philadelphia**

Philadelphia Textile Ma-

chine Co., Hancock &amp;

Somerset (Metallic) ....B

**Smith Woolen Mch. Co.,**

James (Metallic) .....A

**BREECHINGS****ILL.—Chicago**

Wallace &amp; Sons, Wm., 88

Wells (Boiler) .....D

**MD.—Baltimore**

O'Connor, T. J. (Buggy;

Cart; Ship; Team; Wagon)

B

**MO.—St. Louis**

Heine Safety Boiler Co.

(Iron) .....AAA

**Wangler Boiler & Sheet**

Iron Works Co., J. T.

(Boiler) .....A

**PA.—Allentown**

Midvale Foundry Co., Ltd.

(Boiler) .....AAAA

**BREWERS**

See Beer, Ale etc.

**BRICK****CONN.—Bridgeport**

Springfield Mfg. Co. ....B

**D. C.—Washington**

Anacostia Brick Co. (Build-

ing) .....B

**ILL.—Grant Park**

Curtis Brick Co., Alonzo

(Building) .....C

**IND.—New Castle**

New Castle Brick &amp; Tile Co.

(Building) .....B

**KY.—Louisville**

Hydraulic Brick Co., 12th

&amp; St. Louis Av. (Building)

AA

**MD.—Baltimore**

Baltimore Retort &amp; Fire

Brick Co. (Fire; Retort)

B

**MO.—St. Louis**

Laclede Fire Brick Mfg. Co.

(Fire) .....AAA

**Evans & Howard Fire Brick**

Co. (Building; Terra Cot-

ta) .....AAAA

**Illinois Supply & Construc-**

tion Co. (Building) ....E

**Missouri Fire Brick Co.**

(Fire) .....B

**Parker, Russell Mining &**

Mfg. Co. (Fire) .....AAA

**N. Y.—Kingston**

Terry Bros. (Building) ...A

**New York City**

Hunnekes &amp; Co., H. (Sand;

Lime) .....D

**Kreischer Brick Mfg. Co.,**

119 E. 23d (Fire; Terra

Cotta) .....B

**Maurer & Son, Hy., 420 E.**

122

**BRICK (Con.)**

23d (Fire; Terra Cotta:  
Porous; Roof) .....AA  
Reconstructed Granite Co.,  
14 Dey (Rheostat) .....D  
**OHIO—Findlay**  
Findlay Hyd. Pressed Brick  
Co. ....A  
**OHIO—Zanesville**  
Mosaic Tile Co. (Terra Cot-  
ta) .....A  
**PA.—Keystone Junction**  
Savage Fire Brick Co.  
(Terra Cotta) .....AA  
**PA.—Philadelphia**  
Borgner, Cyrus (Fire) ...B  
**PA.—Pittsburg**  
Gardner, Jr. Co., Jas. (Fire) B

Harbison-Walker Refracto-  
ries Co. (Terra Cotta) AAAA  
Welch, Gloninger & Maxwell  
(Building; Coke Oven).B  
**R. I.—Providence**  
American Emery Wheel  
Works (Emery) .....B

**BRIDGES**

For Elec., see Galvanome-  
ters.

**CAL.—San Francisco**  
California Bridge Co. (Iron;  
Steel) .....X  
**CONN.—East Berlin**  
Berlin Construction Co.  
(Iron; Steel) .....A  
**DEL.—Wilmington**  
Edgemoor Iron Co. (Iron;  
Steel) .....AAA  
**GA.—Augusta**  
Lombard Iron Works & Sup-  
ply Co. (Iron; Steel;  
Small Highway) .....A  
**ILL.—Chicago**  
Austin Mfg. Co. (Iron;  
Steel) .....AAA  
Chicago Bridge & Iron Co.  
(Iron; Steel) .....AAA  
**MAINE—Portland**  
Portland Co. (Iron; Steel;  
Wooden) .....AA  
**MASS.—Boston**  
Boston Bridge Works (Iron;  
Steel) .....AA  
**MICH.—Detroit**  
Detroit Bridge & Iron Wks.  
(Iron; Steel) .....AAAA  
**MINN.—Minneapolis**  
Gillette-Herzog Mfg. Co.  
(Iron; Steel) .....X  
**MO.—Kansas City**  
Kansas City Bridge Co.  
(Iron; Steel) .....E  
**MO.—St. Louis**  
Leschen & Sons' Rope Co.,  
A. (Suspension) .....AAA  
**N. J.—Trenton**  
New Jersey Steel & Iron Co.  
(Iron; Steel) .....D  
**N. Y.—Marathon**  
Climax Road Machine Co.  
(Steel Girder) .....B  
**New York City**  
American Bridge Co., 42  
B'way (Iron; Steel)....A  
Roehling's Sons, Jno. A.  
(Suspension) .....B  
**OHIO—Bellefontaine**  
Bellefontaine Bridge & Iron  
Co. (Iron; Steel) .....B  
**OHIO—Cleveland**  
King Bridge Co. (Iron;  
Steel) .....AAA  
**OHIO—Columbus**  
Earle Engineering Co.  
(Draw; Railroad; Turn-  
pike) .....A  
**OHIO—Middleport**  
Ohio Machine Co. (Rail-  
road) .....C  
**OHIO—Springfield**  
Rogers Iron Co. (Iron;  
Steel) .....C  
**PA.—Beaver Falls**  
Penna. Bridge Co. (Iron;  
Steel) .....B  
**PA.—Philadelphia**  
Phoenix Bridge Co. (Iron;  
Steel) .....A  
Stow Flexible Shaft Co.  
(Iron; Steel) .....B

**BRIDGES (Con.)**

**PA.—Pittsburg**  
Bollinger Construction Co.,  
G. L., 2817 Liberty (Over-  
head Railroad) .....B  
Carnegie Steel Co., Ltd.  
(Iron; Steel) .....AAAA  
Carroll-Porter Boiler & Tank  
Co. (Iron; Steel) .....B  
Ritter-Conley Mfg. Co. (Iron;  
Steel) .....AAA  
**PA.—Steelton**  
Pennsylvania Steel Co. (Br.  
Phila., PA., (Iron; Steel)  
AAAA

**BRILLIAN-  
TINE**

New York City  
Caswell, Massey & Co. ....X

**BRIMSTONE**

See Sulphur

**BRISTLES**

**ILL.—Chicago**  
Armour Curled Hair Works  
AAAA  
**MD.—Baltimore**  
Wilkins-Williams Co., Fred-  
erick Av. ....AA  
**MASS.—Boston**  
Bowditch, J. F., 6 India Sq.  
(Black; Chisel; Sash;  
White) .....D  
**New York City**  
Wilkins Bros., 440 Pearl...A  
**OHIO—Cincinnati**  
Brogle, Fred. ....D  
**PA.—Philadelphia**  
Woll & Sons, Peter, Mascher  
& Berks .....AAAA

**BROADCLOTH**

See Woolen Goods

**BROGANS**

See Boots & Shoes

**BROILERS**

**ILL.—Chicago**  
Barbee Wire & Iron Works  
(Br. Lafayette, Ind.)  
(Oyster) .....B  
**ILL.—Paxton**  
Paxton Hdw. Mfg. Co.  
(Meat; Sheet; Steel)....X  
**MASS.—Boston**  
Simplex Electrical Co., Cam-  
bridgeport Sta. (Electric)  
A  
**MASS.—Lowell**  
Woods, Sherwood & Co. ....C  
**MASS.—Worcester**  
National Mfg. Co. (Wire).B  
Parker Wire Goods Co. ....D  
Wire Goods Co. (Wire)....A  
**MICH.—Detroit**  
American Electrical Heater  
Co., 185 River (Electric)  
E  
**MICH.—Jackson**  
Novelty Mfg. Co. (Sheet  
Steel) .....A  
**N. Y.—Buffalo**  
Shepard & Co., Sidney  
AAAA  
**New York City**  
Western Wire Goods Co. ....D  
**New York City**  
Bramhall-Deane Co. ....B  
Stoutenborough, X. ....D  
**OHIO—Cincinnati**  
Miller Range & Furnace Co.  
(Sheet Steel; Charcoal;  
Coke) .....A  
**OHIO—Cleveland**  
Dangler Stove & Mfg. Div.  
(Am. Stove Co.) (Br.  
St. Louis, Mo.) .....AAAA  
Schneider & Trenkamp (Br.  
Am. Stove Co.) .....AAAA  
**OHIO—Hamilton**  
Meyers Mfg. Co., J. F. ....B  
**PA.—Philadelphia**  
Hall & Carpenter (Sheet  
Steel) .....AA  
Darby & Sons, Ed., 233 Arch  
A

## BROMA

**MASS.**—Dorchester  
Baker & Co., Walter...AAAA  
New York City  
Wilbur & Sons, H. O. ....AAA  
**PA.**—Ambler  
Kearsbey & Mattison Co.  
AAAA

## BROMIDES

**OHIO.**—Cleveland  
Midland Chemical Co.  
(Liquid Form) .....X

## BROMINE

**MO.**—St. Louis  
Mallinckrodt Chemical Wks.  
AAAA  
**OHIO.**—Cleveland  
Midland Chemical Co. ....X  
**PA.**—Allegheny  
Beck Salt Co. ....A  
**PA.**—McKeesport  
Bissell Chemical Co. ....X

## BROMOFORM

**MO.**—St. Louis  
Herf & Frerichs Chemical  
Co. ....A  
Mallinckrodt Chemical Wks.  
AAAA

## BRONZE

See also Ingots

**CAL.**—San Francisco  
Union Iron Works (Manga-  
nese) .....AAAA  
**CONN.**—Bridgeport  
Bridgeport Brass Co. (Alum-  
inum) .....A  
Bridgeport Deoxidized  
Bronze & Metal Co.  
(Sheet; Aluminum; Phos-  
phate; Manganese) ....B  
**CONN.**—Waterbury  
Benedict & Burnham Mfg.  
Co. (Sheet) .....AAAA  
Holmes, Booth & Haydens  
Co. (Inc.) (Spinners)  
AAAA  
Plume & Atwood Mfg. Co.  
(Metal) .....AAA  
Randolph-Cowles Co. (Roll;  
Sheet) .....AAA  
Scovill Mfg. Co. (Metal)  
AAAA  
Waterbury Brass Co. (Roll;  
Sheet) .....AAAA  
**CONN.**—Winsted  
Goodwin & Kintz Co. (Orna-  
mental) .....D  
**ILL.**—Chicago  
Besly & Co., Chas. H. (Roll;  
Sheet; Metal) .....AA  
**MAINE.**—Bath  
Bath Iron Works (Manga-  
nese) .....D  
**MASS.**—Boston  
Hauthaway & Sons, Chas. S.  
(Shoe) .....A  
Whittemore Mfg. Co. (Shoe)  
**MICH.**—Detroit  
Detroit Copper & Brass Roll-  
ing Mills (Sheet) ..AAAA  
E  
**N. J.**—Jersey City  
Williams & Son, E. A. (Car-  
bon; Manganese; Phos-  
phor; Aluminum; Velvet)  
AAA  
**N. Y.**—Lockport  
Cowles Electric Smelting &  
Aluminum Co. (Manga-  
nese; Silicon; Aluminum)  
B  
New York City  
Ansonia Brass & Copper Co.,  
99 John (Sheet; Tobin  
Metal; Roll) .....AAAA  
Manhattan Brass Company  
(Angles) .....AA  
**OHIO.**—Springfield  
Nolte Brass Co. (Phosphor)  
D  
**PA.**—Allegheny  
Damascus Bronze Co. (Phos-  
phor) .....A

## BRONZE (Con.)

**PA.**—Chester  
Crown Smelting Co. (Manga-  
nese; Phosphor) .....A  
**PA.**—Philadelphia  
Cramp & Sons Ship & Eng.  
Bldg. Co. (Manganese)  
AAAA  
Crescent Phosphorized Metal  
Co., 2111 Indiana (Manga-  
nese; Phosphor) .....C  
Janney, Steinmets & Co.  
(Aluminum) .....D  
Phosphor Bronze Smelting  
Co., Ltd. (Phosphor;  
Manganese; Metal; Roll;  
Sheet) .....A  
Reeves & Son, P. S., 1415  
Catherine (Manganese;  
Metal; Phosphor; Roll;  
Sheet) .....B  
**PA.**—Pittsburg  
Maloney Bronze Mfg. Co.,  
3172 2d Av. (Ingot) ...D  
Pittsburg Reduction Co.  
(Aluminum) .....AAAA

## BRONZES

See also Statuary

**CONN.**—Meriden  
Bradley & Hubbard Mfg. Co.  
(Art) .....AAAA  
**MD.**—Baltimore  
Limerick, J. Arthur, 12 S.  
Calvert (Art) .....D  
New York City  
Bawo & Dotter, 26 Barclay  
(Art) .....A  
Bing & Co., Ferd. 10 Wash-  
ington Pl. (Art) .....A  
Borgfeldt & Co., Geo., 48  
W. 4th (Art) .....AAAA  
Harris & Harrington, 82  
Vesey (Art) .....B  
Lazarus, Rosenfeld & Leh-  
mann, 62 Murray (Art) B  
Levy & Co., L. W., 194  
B'way (Art) .....B  
Schwarz Bros. & Co., 29  
Union Sq. (Art) .....B  
Straus & Sons, L., 42 War-  
ren (Art) .....AAAA  
Vantine & Co., A. A., 20  
E. 18th (Art) .....AAA

## BROOCHES

See Jewelry

## BROODERS

See Incubators

## BROOM

See Corn; Broom

## BROOMS

**ALA.**—Citronville  
Cornell, H. P. & G. A. ....X  
**ALA.**—Mobile  
Partin, M. ....D  
**ARK.**—Ft. Smith  
Southern Broom Co. ....X  
**CAL.**—San Francisco  
California Broom Mfg. Co.,  
218 Front .....B  
Feldman & Co., L., 220  
Front .....A  
Van Laak Mfg. Co., 3175  
17th .....E  
Zan Bros. & Co., 316 Davis  
B  
**CAL.**—Stockton  
Hemingway, A. ....D  
**CONN.**—New Hartford  
Bauerroft, Geo. W. ....C  
**CONN.**—Thompsonville  
Noble, Sr., G. L. ....D  
**DEL.**—Newark  
Curtis & Bro. (Brush) ....A  
**GA.**—Savannah  
Antiseptic Broom Co. ....C  
Schwarz & Son, Geo. ....X  
**ILL.**—Aurora  
Roesch, John .....D  
**ILL.**—Bement  
Burgess, G. L. ....E  
**ILL.**—Chicago  
Chicago Broom Mfg. Co., 105  
La Salle Av. ....AA  
Dearborn Duster Co., 124 S.

**BROOMS (Con.)**

Green (Feather) .....D  
 Haisler Bros. Co., 3 S.  
 Franklin (Stable) .....E  
 Illinois Broom Co., 248 Ran-  
 dolph .....D  
 Pirrung Mfg. Co. ....B  
 U. S. Broom Co., 204 Dear-  
 born .....A  
 Vehmeyer, W. F., 208 Mich-  
 igan .....A  
**ILL.—Edwardsville**  
 Berry, Wm. ....E  
**ILL.—Galesburg**  
 Boyer Broom Co. ....A  
**ILL.—Mattoon**  
 Roseboom & Co., J. A. ....A  
**ILL.—Odin**  
 Sebastian Bros. ....E  
**ILL.—Paris**  
 Merkle-Wiley Broom Co. ....C  
**ILL.—Wyoming**  
 Poll, G. W. ....E  
**IND.—Evansville**  
 Evansville Broom Wks. ....C  
 Southwestern Broom Mfg.  
 Co. ....B  
**IND.—Indianapolis**  
 Indianapolis Brush & Broom  
 Mfg. Co., 20 Brush (Raf-  
 tan) .....C  
**IND.—Palmyra**  
 Reising, Adam .....D  
**IND.—Ridgeville**  
 Lay & Co., Joseph (Textile;  
 Rattan Mixed; Steel  
 Wire) .....B  
**IND.—South Bend**  
 Jacobson, Peterson & Co. ....E  
**IOWA.—Davenport**  
 Lee Broom & Duster Co. ....B  
**IOWA.—Des Moines**  
 Des Moines Broom Co. ....X  
 Harrah & Stewart Mfg. Co.  
 (Whisk) .....C  
**IOWA.—Dubuque**  
 Miller Co., F. A. ....D  
**KANS.—Leavenworth**  
 Kelly, M. A. ....D  
**KY.—Frankfort**  
 Mason & Ford Co. ....AAA  
**KY.—Louisville**  
 Caumlsar, T. C., 133 3d  
 Av. ....C  
 Gould & Co., L., 145 E.  
 Jefferson .....D  
 Louisville Broom Works, 210  
 10th .....B  
**LA.—New Orleans**  
 Lesher, Mrs. B., 858 Tchoup  
 E  
 McGraw Woodenware Co.  
 Ltd. 401 Tchoup .....A  
 Morris Co., J. C., Ltd., 324  
 Tchoup .....B  
**MAINE.—Portland**  
 Twitchell-Champlin Co. ....AA  
**MD.—Baltimore**  
 Engelhardt, E., 1018 Hillen  
 D  
 Maryland Broom Co. ....E  
 Ripple & Bros., 1231 Bur-  
 gundy Av. ....F  
 Tottle & Co., W. A., 122  
 Hanover .....B  
**MASS.—Fitchburg**  
 Fitchburg Broom & Brush  
 Co. ....B  
**MASS.—Somerville**  
 Conrad Broom Co. ....E  
**MASS.—Worcester**  
 Dean, O. M. ....E  
**MICH.—Detroit**  
 Crabb & Son, L., 30 Ash. ....D  
 Hatch & Son, E. W. ....D  
 Manzelman, Chas. ....B  
 Wetherbee & Co., G. C., 49  
 Jefferson Av. ....B  
**MICH.—West Bay City**  
 Balwinski Bros. ....X  
 Sovereign, H. O. ....X  
**MINN.—St. Cloud**  
 Blood & Smith .....G  
**MINN.—St. Paul**  
 American Broom Co., 11 W.  
 3d .....D  
 Fortmeyer Bros., 199 Penn  
 Av. ....G  
 Poirier, Adolph .....H  
 Stewart, A. F. ....G  
**MO.—Jefferson City**  
 Central Broom Co. ....D  
**MO.—Kansas City**  
 Thompson, H. E., 1412 Lib-  
 erty .....C

**BROOMS (Con.)**

**MO.—St. Louis**  
 American Broom Mfg. Co.,  
 214 S. 17th .....B  
 Thompson Broom Co., H. ....D  
 Western Broom Co., 400 S.  
 Commercial .....D  
**NEBR.—Deshler**  
 Deshler Broom Factory ....B  
**NEBR.—Lincoln**  
 Flint, E. C. ....X  
 Gallagher & Cunningham. ....F  
 Lee Broom & Duster Co. ....B  
**N. H.—Concord**  
 Thompson, H. ....E  
**N. J.—Newark**  
 Jedel & Co., A. ....E  
**N. J.—Trenton**  
 United States Broom Co. ....D  
**N. Y.—Albany**  
 Frazier & Son, W. H. ....D  
**N. Y.—Amsterdam**  
 American Broom & Brush  
 Co. ....A  
 Amsterdam Broom Co. (&  
 Whisk) .....A  
 Aspelmeier & Sons, F. ....X  
 Gardner Broom Co. ....E  
 Pioneer Broom Co. ....B  
**N. Y.—Brant**  
 Erie Preserving Co. ....AA  
**N. Y.—Brooklyn**  
 Adams & Co., J. J., 122  
 Greenpoint Av. (Stable)  
 A  
**N. Y.—Buffalo**  
 Buffalo Broom Works, 298  
 Putnam Av. ....F  
 Young, Ernst B., 39 Cherry  
 (Barn) .....D  
**N. Y.—Farnham**  
 Erie Preserving Co. ....AA  
**N. Y.—Fonda**  
 Mohawk Valley Broom Co.  
 D  
**N. Y.—Fort Hunter**  
 American Broom & Brush  
 Co. ....D  
 Aspelmeier, F. ....F  
 Devendorf, D. A. ....C  
**N. Y.—Fultonville**  
 American Broom & Brush  
 Co. ....D  
**N. Y.—Lockport**  
 Evans & Liddle .....B  
**N. Y.—Malone**  
 Benmare Broom Co. ....D  
**N. Y.—Middleburg**  
 Mattice, E. ....D  
**N. Y.—Mount Morris**  
 Simerson & Co. ....E  
**New York City**  
 Bookhop, F. H., 115 War-  
 ren (Brass Sink) ....D  
 Escoba Mfg. & Supply Co.,  
 147 Cedar .....F  
 Gerhardt, C., 591 Hudson  
 (Brewers) .....B  
 Genesee Fruit Co., 501 West  
 AA  
 International Broom Co.,  
 309 B'way .....X  
 Star Expansion Bolt Co.,  
 147 Cedar (Steel Wire;  
 Fibre) .....F  
**N. Y.—North Collins**  
 Erie Preserving Co. ....AA  
**N. Y.—Ogdensburg**  
 Keely & Leonard .....C  
**N. Y.—Orchard Park**  
 Erie Preserving Co. ....AA  
**N. Y.—Rochester**  
 Dobberton, A. C. ....F  
**N. Y.—Schenectady**  
 Horstman & Co., D. ....D  
 Whitmyer, H. ....E  
**N. Y.—Syracuse**  
 Onondaga Whisk Broom  
 Works .....C  
 Syracuse Broom Co. ....AA  
**N. Y.—Tribes Hill**  
 Whittemeyer & Sons, F. ....D  
**N. Y.—Waterloo**  
 Post Broom Co., J. H. ....H  
**OHIO.—Cincinnati**  
 Cremering Bros., 224 Main  
 E  
 De Rov, P., 105 E. Canal. ....D  
 Meyer, Sr., B., 19 E. Canal  
 D  
**OHIO.—Cleveland**  
 Osborn Mfg. Co. (Steel;  
 Wire; Fibre; Track) ....B  
 Smith Foundry Supply Co.,

**BROOMS (Con.)**

J. D. (Steel; Wire; Fibre) D

**OHIO—Columbus**

Howard Broom Co., 220 Spruce .....E

**OHIO—Columbus Grove**

Smith &amp; Basinger .....E

**OHIO—New Bremen**

New Bremen Broom Co....B

**OHIO—New Philadelphia**

Congleton, J. ....D

**OHIO—Sidney**

Donaldson &amp; Boal Broom Co. B

**OHIO—Toledo**

Ohio Broom &amp; Supply Co...B

**OHIO—Urbana**

Urbana Broom Co. (&amp; Whisk) .....D

White Co., Val. (&amp; Whisk) B

**OREGON—Portland**

Zan Bros. ....B

**PA.—Academy Corners**

Taft &amp; Son, A. D. ....E

**PA.—Allegheny**

Lang Union Broom Co....A

**PA.—Campelltown**

Fasnacht, D. S. ....G

**PA.—Catawissa**

Swank &amp; Brandt .....F

**PA.—Grove City**

Montgomery &amp; Co. ....E

**PA.—Hamburg**

Hamburg Broom Co. ....F

**PA.—Philadelphia**

Eastburn &amp; Co., 110 Vine..D

Sellers Bros., 421 N. 3d..E

**PA.—Pittsburg**

McElroy &amp; Co., 214 3d Av. A

**Smith Woodenware Co., L. H.** .....A**Standard Broom Co.** ....F**PA.—Reading**

Nies &amp; Co., S. E. ....D

**Shanaman, W. B.** .....E**Shanaman Bros.** .....C**PA.—Union City**

Hatch &amp; Son, E. W. ....D

**S. C.—Charleston**

Charleston Excelsior Mat- tress &amp; Broom Wks....C

**S. C.—Spartanburg**

Muckenfuss Mfg. Co. ....D

**S. DAK.—Sioux Falls**

Kuh Bros. ....D

**TENN.—Memphis**

Humphrey, T. N. ....C

**Merchants Broom & Mop Co.** F**TENN.—Nashville**

Kanel Broom Works....E

**TEXAS—Round Rock**

Round Rock Broom Co....B

**TEXAS—Waco**

Thompson, J. S. ....B

**UTAH—Ogden**

Scovill, M. G. (Barn)....E

**VT.—Lyndonville**

Eaton &amp; Co., J. C. ....D

**VA.—Alexandria**

King &amp; Son, Chas. ....A

**VA.—Norfolk**

Norfolk Broom Works....B

**Taylor & Co., G. F.** ....C**VA.—Richmond**

West Co., W. B. ....C

**WASH.—Seattle**

Washington Broom Wks...G

**WASH.—Spokane**

Meese &amp; Co., G. ....D

**Neltzel Bros. & Theilmann** G**WIS.—Ft. Atkinson**

Pounder, G. H. ....D

**WIS.—La Crosse**

Miller, A. ....C

**WIS.—Milwaukee**

Koch &amp; Loeber Co., 121 Cly- bourn .....B

**Lemke, A. F., 419 State...****Milwaukee Dustless Brush Co., 124 Sycamore** ....F**WIS.—Racine**

Kranz, W. H. ....E

**BROUGHAMS**

See Carriages &amp; Wagons

**BRUISERS**

N. Y.—Auburn

**BRUISERS (Con.)**

Osborne &amp; Co., D. M. (Straw) .....AAAA

**BRUSHES**

See Silverware; Ebony Goods, etc.

**ALA.—Mobile**

Partin, M. ....D

**CAL.—San Francisco**

Buchanan Bros., 609 Sacra- mento .....E

**CONN.—Deep River**

Rogers Brush Works (Coun- ter; Glass Cleaning; Gun; Lamp; Chimney; Water Closet; Bath; Flesh; Nail) F

**CONN.—Meriden**

Meriden Britannia Co. (Hat) .....AAAA

**CONN.—New Hartford**

Standard Brush Co. (Horse; Machine; Printers'; Floor Waxing &amp; Polishing; Scrub; Shoe &amp; Daubers; Stove; Special Bath; Hair; Nail) .....D

**CONN.—Wallingford**

Wallace &amp; Sons' Mfg. Co., R. (Crumb; Hat; Velvet; Cloth; Hair; Nail; Shav- ing; Sterling Silver Hair; Tooth) .....AAAA

**ILL.—Chicago**

Chicago Flexible Shaft Co., 121 La Salle (Steel Wire; Wire; Casting; Gearing; Flue) .....B

**Chicago Wood Finishing Co., 261 Elston Av. (Floor Pol- ishing)** .....B**Dietzgen Co., Eugene (Air)** A**Dilley, Wm., 172 Clark** (Paint; Varnish, &c.)...D**Elevator Supply & Repair Co., 34 W. Monroe (Woven Wire)** .....C**Gerts, Lumbard & Co., 210 Randolph (Paint; Var- nish)** .....AA**Kaefer, M. (Beer Bottle)** D**Perrung Mfg. Co.** .....B**Remitz, A. W., 22 Cornelia** F**Remitz, W. F., 406 Noble** G**ILL.—Rockford****Air Brush Mfg. Co. (Air)** X**IND.—Evansville****Southwestern Broom Mfg. Co.** .....B**IND.—Ft. Wayne****Ft. Wayne Electric Corpora- tion (Dynamo)** .....AAA**IND.—Indianapolis****Indianapolis Brush & Broom Mfg. Co.** .....C**Interior Hdw. Co. (Weighted Floor)** .....A**IND.—Ridgeville****Lav & Co., Jos. (Foundry; Machine; Factory)** .....C**IND.—Sullivan****Holcomb Mfg. Co., J. I. (Horse)** .....C**IND.—Davenport****Lee Broom & Duster Co. (Floor; Hearth; Scrub)** A**I.A.—New Orleans****Morris Co., J. C., 324 Tchoupitoulas** .....B**MAINE—Portland****True Bros. (Paint)** .....D**MD.—Baltimore****Gulder & Co., G. Chas. (Whitewash; Dust; Flat Paint)** .....X**Rennous, Kleinle & Co., 848 Fed. Av. (Bill Poster)** A**MASS.—Attleboro****Blake & Co., Jas. E. (Silver Mounted)** .....A**Marble, Forrister & Co. (Sil- ver Mounted)** .....C**MASS.—Boston****Bailey & Co., C. J. (Shoe & Daubers; Rubber Bath; Rubber Hand; Rubber Shampoo; Rubber Tooth)** B**Burton & Co., A. & E. (Ar- tists'; Painters'; Crumb;**

**BRUSHES (Con.)**

Paste) ..... B  
 Murphy, Leavens & Co., 28  
 Exchange (Foundry; Ma-  
 chine; Factory) ..... D  
 New England Novelty Mfg.  
 Co. (Pocket; Hat) ..... H  
 Pushee & Sons, Jno. C.,  
 Randolph & Harrison  
 (Paint; Varnish, &c.)... B  
 Whiting & Son Co., Jno. L.  
 (Paint; Whitewash) ... AA  
**MASS.—Cambridge**  
 Boston Woven Hose & Rub-  
 ber Co. (Rubber Bath)  
 A A A A

**MASS.—Fall River**  
 Wild, Joseph (Mill) ..... F

**MASS.—Fitchburg**  
 Fitchburg Broom & Brush  
 Co. .... B

**MASS.—Florence**  
 Florence Mfg. Co. (Hat;  
 Pocket Hat; Cloth; Hair;  
 Nail; Tooth; Wire Hair)  
 A

**MASS.—Lawrence**  
 Columbia Napper Clothing  
 Co. (Mill) ..... H

**MASS.—Lowell**  
 Edwards & Co., Henry, 146  
 Fletcher (Mill) ..... H  
 Lahne & Co., M. M. (Mill)  
 E

Nebes, David, 256 Lawrence  
 (Mill) ..... H

**MASS.—Worcester**  
 Cleveland Machine Works  
 (J. H. Whittle) (Steam)  
 A

Curtis & Marble Machine Co.  
 (Mill) ..... A

Mason Brush Works (Mill)  
 F

Wright Wire Co. (White-  
 wash; Horse; Shoe; Wire;  
 Casting; Gearing; Flue)  
 A A

**MICH.—Detroit**  
 American Brush Co. (Horse;  
 Bakers'; Painters'; White-  
 wash; Bottle; Counter;  
 Crumb; Floor; Lamp  
 Chimney; Scrub; Shoe &  
 Daubers; Stove; Tumbler;  
 Window; Bath; Nail)... E

**MICH.—Grand Rapids**  
 Grand Rapids Brush Co.  
 (Horse; Moulders'; Plat-  
 ing; Printers'; Farmers' &  
 Curriers'; Billiard Table;  
 Bottle; Counter; Crumb;  
 Dust; Dish Washers';  
 Floor; Glass Cleaning;  
 Hat; Hearth; Kitchen;  
 Scrub; Shoe & Daubers;  
 Stove; Tumbler; Velvet;  
 Window; Wood Filler;  
 Bath Cloth; Complexion;  
 Cosmetic; Flesh; Hair;  
 Nail; Lamp Chimney)... A

**MO.—St. Louis**  
 Ludlow-Saylor Wire Co., 4th  
 & Elm (Foundry; Mach-  
 Factory) ..... A A  
 Pilley Packing Co., 606 S.  
 3d (Foundry; Machine;  
 Factory) ..... D

**N. H.—Manchester**  
 Felton & Son Co., S. A.  
 (Foundry; Mach.; Paint;  
 Varnish; Mill; Wheel;  
 Factory) ..... C

**N. J.—Hoboken**  
 Schimper & Co., Wm.  
 (Cloth) ..... A A

**N. J.—Jersey City**  
 Eastern Carbon Wks. (Car-  
 bon) ..... A  
 Foot Mfg. Co., Germania Av.  
 (Foundry; Machine; Fac-  
 tory) ..... C

**N. J.—Newark**  
 Hanson & Van Winkle Co.  
 (Electro Plating) ..... A A  
 Peters Harness & Saddlery  
 Co. (Horse) ..... C

**N. J.—Verona**  
 Jacobus A. G. (Mill) .... F

**N. Y.—Binghamton**  
 Stow M'c. Co. (Portable  
 Power Horse) ..... A

**N. Y.—Brooklyn**  
 Adams & Co., J. J., 132  
 Greenpoint Av. (Brewers';

**BRUSHES (Con.)**

Gilders'; Tar & Roofing;  
 Billiard Table; Dust;  
 Floor; Floor & Furniture  
 Waxing & Polishing; Hat;  
 Hearth; Kitchen; Scrub;  
 Shoe; Silver Cleaning;  
 Velvet; Window; Artists';  
 Camels' Hair; Flat;  
 Paint; Fresco Painters';  
 Graining; Lettering; Ship  
 Seam; Stencil; Stippling;  
 Varnish; Bath; Clothes;  
 Flesh; Hair; Nail; Shav-  
 ing; Pastry; Composition;  
 Tooth) ..... A

**N. Y.—Buffalo**  
 Jewett Mfg. Co., Jno.  
 (Crumb) ..... A A

**N. Y.—East Syracuse**  
 Benedict Mfg. Co., M. S.  
 (Nail) ..... A A

**N. Y.—Kingston**  
 Herbert Brush Mfg. Co.  
 (Bath) ..... C

**N. Y.—Lansingburg**  
 Dennison & Sons, Owen  
 (Moulders'; Steel Bot-  
 tle; Tar & Roofing;  
 Whitewash; Billiard  
 Table; Crumb; Hat;  
 Hearth; Kitchen; Scrub;  
 Shoe & Daubers'; Velvet;  
 Window; Flat Paint;  
 Fresco Painters'; Varnish;  
 Bath; Cloth; Flesh; Hair;  
 Nail) ..... B

Flynn Bros. (Horse; Glue;  
 Dust; Fresco Painters';  
 Bath; Cloth; Dandruff;  
 Flesh; Shaving) ..... A

Van Kleeck, Wm. H. (Bill-  
 iard Table; Crumb; Hat;  
 Special; Dandruff; Bath;  
 Cloth; Hair; Nail; Flesh)  
 D

Wood Co., E. & C. (Hat;  
 Bath; Cloth; Flesh; Hair;  
 Nail) ..... D

**New York City**  
 American Hard Rubber Co.,  
 9 Mercer (Rubber) . A A A A  
 Bogue, Chas. J., 213 Center  
 (Sheet Metal) ..... D

Bradley & Smith (Horse;  
 Glue; Kalsomine; Mould-  
 ers'; Tanners' & Curriers';  
 Tar & Roofing; White-  
 wash; Billiard Table; Bot-  
 tle; Chimney; Crumb;  
 Dust; Floor; Floor Wax-  
 ing & Polishing; Glass  
 Cleaning; Hearth;  
 Kitchen; Lamp Chimney;  
 Scrub; Shoe & Daubers';  
 Silver Cleaning; Stove;  
 Window; Blind; Border-  
 ing; Camel Hair; Flat  
 Hair; Fresco Painters';  
 Graining; Lettering;  
 Marking; Mottling; Ship  
 Seam; Skimming; Spoke;  
 Stencil; Strippling; Var-  
 nish; Wood Fillers; Lac-  
 quering; Bath; Cloth;  
 Flesh; Shaving) ..... A A  
 Chatillon & Son, J., 85  
 Cliff (Butchers'; Pack-  
 ers') ..... A  
 Devoe, F. W. & C. T. Ray-  
 nolds Co. (Gilders'; Scrub;  
 Flat Paint; Fresco Paint-  
 ers'; Graining; Lacquer-  
 ing; Marking; Ship Seam;  
 Artists'; Photographers')  
 A A A A

Eatey Wire Works Co., 59  
 Fulton (Steel Wire; Cast-  
 ing; Gearing; Flue) .... D

Gennert, G. (Photograph-  
 ers') ..... B

Gesswein Co., F. W. (Plat-  
 ers'; Polishers'; &c.)... B  
 Gilbert & Bennett Mfg. Co.  
 (Steel Casting; Steel;  
 Wire) ..... A A A A

Green & Co., W., 6 Maiden  
 Lane (Jewelers') ..... B

Hanlon & Goodman (Glue;  
 Kalsomine; Machine; Tar  
 & Roofing; Whitewash;  
 Billiard Table; Bottle;  
 Chimney; Crumb; Furni-  
 ture Waxing; Hearth;

**BRUSHES (Con.)**

Kitchen; Lamp Chimney;  
Scrub; Silver Cleaning;  
Artists'; Blind Bordering;  
Camels' Hair; Flat Paint;  
Fresco Painters'; Lacquer-  
ing; Lettering; Marking;  
Mottling; Ship Seam;  
Skimming; Spoke; Sten-  
cill; Stripping; Varnish;  
Wood Fillers; Flesh; Shay-  
ing; Chamois; Cosmetic)

Hollingsworth & Kip, 447  
Greenwich .....A

International Silver Co., 9  
Maiden Lane (Silver  
Plated) .....AAAA

Irwin, R. M. Co., 103 Cham-  
bers (Fountain Bath)...X

Leiner, Moritz (Bath; Flesh)

Martins' Sons, J. M. Co.

(Horse; Glue; Printers';  
Steel Boiler Flue; Tar &  
Roofing; Whitewash; Bil-  
liard Table; Dust; Floor;  
Floor Waxing & Polishing;  
Scrub; Shoe & Daubers';  
Silver Cleaning; Window;  
Artists'; Blind; Camels'  
Hair; Carriage & Coach;  
Flat Paint; Marking;  
Stencill; Stripping; Var-  
nish; Bath; Cloth; Flesh;  
Shaving) .....A

Medford Fancy Goods Co.

(Dog) .....F

Miles Bros. & Co. (Paint;  
Varnish, &c.) .....D

Mitchell, E. (Billiard Table;  
Crumb; Scrub; Silver  
Cleaning; Flat Paint;  
Stencill; Metal Mounting;  
Flesh; Shaving; Marking)

Mulholland, J. H., 80 Elm

(Foundry; Machine; Fac-  
tory; Hot Water Heater)

Myles Bros. & Co. (Artists')

Pierce Co., F. O., 170 Ful-  
ton (Varnish; Whitewash)

Reichhelm & Co., E. P.

(Plating; Steel Wire;  
Satin Finished; Brass  
Wire; Scratch; Jewelers'  
Scratch) .....A

Rosenthal & Bro., H., 418

W. B'way (Horse; Glue;  
Camels' Hair; Flat Paint;  
Marking; Varnish; House-  
hold; Whitewash) .....A

Smith & Sons, A., 146 Wil-  
liam .....D

Smith & Son, J. Finley

(Glue; Tar & Roofing;  
Horse; Billiard Table;  
Bottle; Crumb; Scrub;  
Shoe & Daubers'; Silver  
Cleaning; Stove; Lacquer-  
ing; Marking; Ship Seam;  
Skimming; Stencill; Strip-  
pling) .....B

Spinal Brush Co., 1133

B'way (Spinal) .....X

United Brush Mfrs., 21 Park

Pl. (Paint; Varnish, &c.)

Zucker & Levett & Loeb Co.,

526 W. 25th (Electro Plat-  
ing) .....A

N. Y.—Rochester

Rochester Brush Mfg. Co.,

419 St. Paul (Foundry;  
Machine; Factory) .....D

Wood Mosaic Co. (Floor  
Waxing & Polishing)...AA

N. Y.—Schenectady

General Electric Co. (Car-  
bon Commutator) .....AAAA

N. Y.—Troy

Bernard Co., E. G. (Carbon  
Dynamo) .....D

Dennins' Sons, 6th Av. &  
20th (Foundry; Factory;  
Machine) .....C

Parks & Parks (Shoe &  
Daubers'; Stove) .....D

OHIO—Barberton

Pure Gum Specialty Co.

(Rubber) .....C

**BRUSHES (Con.)**

OHIO—Cincinnati

Barron, Boyle Co., 424 Main

(Floor Polishing) .....B

Bromwell Brush & Wire

Goods Co. (Horse;

Moulders'; Steel Casting;  
Whitewash; Tar & Roof-  
ing; Scrub; Shoe & Daub-  
ers'; Stove; Window;  
Spoke; Varnish; Cloth;  
Shaving) .....AA

Cincinnati Mfg. Co. (Steel

Foundry; Machine; Fac-  
tory; Paint; Varnish;  
Mill) .....C

Classen, F. H., 1421 Main

(Paint) .....B

Obermayer Co., S. (Machin-  
ists' Bench; Plating; Steel  
Boiler Flue; Steel Cast-  
ing; Moulders'; Steel  
Wire) .....AA

Smith Foundry Supply Co.,

J. D. (Moulders'; Found-  
ry; Casting; Gearing;  
Flue) .....X

Washburn & Co., Ira (Paint;  
Varnish, &c.) .....C

OHIO—Cleveland

Classon, F. H. (Varnish;  
Paint; &c.) .....B

Cleveland Facing Mill Co.

(Wire; Casting; Gearing  
& Flue) .....X

National Carbon Co. (Carbon  
Dynamo) .....AAAA

Osborn Mfg. Co. (Billiard

Table; Butchers'; Pack-  
ers'; Electro Plating;  
Foundry; Furnace; Heat-  
ers; Machine; Pipe; Scrub;  
Steel Wire; Tumbler;  
Whitewash; Horse; Shoe;  
Wire; Casting; Gearing;  
Flue; Wire; Horse; Hair;  
Cattle; Wire Wheel)...B

OHIO—Hamilton

Meyers Mfg. Co., Fred J.

(Steel Boiler Flue; Steel  
Casting) .....B

OHIO—Mansfield

Ohio Brass Co. (Woven  
Wire) .....B

OHIO—Miamisburg

Miamisburg Electric Co.

(Dynamo) .....B

OHIO—Toledo

Allen Mfg. Co. (Fountain;  
Bath) .....X

Ames-Bonner Co. (Hair)...A

OHIO—Troy

Ohio Electric Specialty Mfg.

Co. (Leaf Copper Dynamo;  
Woven Wire Dynamo)...G

OHIO—Wooster

Wooster Brush Wks. (Horse;

Bakers'; Kalsomine; Pa-  
per Hangers'; Whitewash;  
Counter; Dust; Brewers';  
Floor; Floor Waxing &  
Polishing; Dusting; Var-  
nish; Artists' & Painters';  
Scrub; Paste) .....B

PA.—Columbia

East Columbia Brush Co.

(Paint; Varnish; &c.)...C

PA.—Easton

Pollock Brush Co. (Horse;

Cylinder; Moulders'; Dust;  
Jewelers' Wheel; Floor;  
Mill Sweeping; Pipe  
Cleaning Fibre; Shoe &  
Daubers; Water Closet;  
Window) .....D

PA.—Erie

Continental Rubber Works

(Rubber) .....A

PA.—Northeast

Eureka Tempered Copper

Wks. (Finger Copper;  
Sheet Metal & Woven  
Wire) .....B

PA.—Philadelphia

Ames-Bonner Co., Phila.

Bourse .....A

Clinton & Co., E., 1008

Market .....A

Colecott & Co., W. A., 133

Market .....C

Darby & Sons, Edward, 232

Arch (Wire) .....A

Elder & Jenks, 127 No.

5th .....D



**BRUSHES (Con.)**

French & Co., Saml. H., 4th & Callowhill (Paint; Varnish, &c.) ..... AAA  
 Galati, J. H., 4355 Main Myk. .... D  
 Holmes Fibre & Graphite Mfg. Co. (Commutator) D  
 Horn & Co., Wm. H. (Tanners'; Curriers') ..... B  
 Keller, Robert (Beer Bottle) D  
 Lucas & Co., John (Gilders'; Scrub; Flat Point; Varnish) ..... AAA  
 McKim & Co., J., 181 No. 10th ..... B  
 Nelms & Co., 30 No. 4th D  
 Paxson & Co., J. W. (Foundry; Plating; Steel Boiler Flue; Steel Wire) AA  
 Philadelphia Elec. & Mfg. Co. (Commutator) ..... E  
 Stow Flexible Shaft Co. (Portable; Power; Horse) B  
 Thum, Chas. D. (Jewelers' Wheel; Machine; Silver-smith' Wheel; Varnish) D  
 White Dental Mfg. Co., S. S. (Tooth) ..... AAAA  
 Wirt Electric Co., 4523 Tacony (Sheet Metal) D  
**PA.—Pittsburg**  
 Wolfe, Walker & Co., 510 Wood (Paint; Varnish, &c.) ..... B  
**R. I.—Pawtucket**  
 Thayers' Son, Ellis (Kalsomine; Machine; Moulders'; Paper Hangers'; Printers'; Steel Wire; Sattin Finished; Brass Wire; Scratch; Tanners'; Curriers'; Whitewash; Hat; Kitchen; Lamp Chimney; Scrub; Shoe & Daubers; Silver-Cleaning; Stove Window; Blind; Flat Paint; Fresco Painters'; Power) ..... X  
**R. I.—Providence**  
 Bens, Wm. (Silver Mounted) C  
 Coe Mfg. Co., Wm. H. (Gilders') ..... B  
 Foster & Bros. Co., Theo W. (Sterling Silver Hair) AA  
 Nicholson File Co. (File) AAAA  
 Rhode Island Brush Co. (Mill) D  
 Voelker, Philip L. (Mill) F  
**VT.—Springfield**  
 Parks & Woolson Machine Co. (Mill) B  
**WIS.—Milwaukee**  
 Milwaukee Dustless Brush Co. (Dustless Floor) D

**BUCHU**

New York City  
 Hopkins & Co., J. L., 100 William ..... A

**BUCKETS**

See also Woodenware; Tinware, etc.

**CAL.—Los Angeles**  
 Thomson & Boyle Co. (Coal; Ore) ..... C  
**CAL.—San Francisco**  
 Hendy Machine Wks., Joshua (Coal; Ore) AA  
**COLO.—Denver**  
 Colo. Iron Wks. Co. (Coal; Mining) AA  
 Davis Iron Wks. Co., F. M. (Coal; Ore) A  
 Denver Engineering Wks. (Coal; Ore) A  
 Mine & Smelter Supply Co. (Coal; Ore) AAAA  
 Montgomery Mchry. Co., J. H. (Ore) C  
**CONN.—Bridgeport**  
 Canfield Co., H. O. (Rubber; Chain; Pump) D  
**CONN.—Meriden**  
 Bradley & Hubbard Mfg. Co.

**BUCKETS (Con.)**

(Fireplace) ..... AAAA  
**CONN.—New Britain**  
 North & Judd Mfg. Co. (Dredge) AA  
**ILL.—Chicago**  
 Allis-Chalmers Co., Home Ins. Bldg. (Elevator; Ore; Coal; Gold Dredging) AAAA  
 Borden & Selleck Co., 45 Lake (Coal; Ore) B  
 Bullock Mfg. Co., (Steel; Coal; Ore) X  
 Caldwell & Son Co., H. W., 17th & Western Av. (Seamless; Steel; Elevator; Ore) A  
 Hoisting & Conveying Mchry. Co., 44 N. Elizabeth (Coal; Ore) D  
 Illinois Malleable Iron Co., 20 W. Monroe (Elevator; Ore) AAAA  
 Link Belt Machinery Co. (Elevator) AAA  
 Olmsted & Co., 100 N. Clinton (Chain Pump) C  
 Skillin & Richards Mfg. Co., 147 Fulton (Elevator) O  
 Temple Pump Co. (Chain Pump) A  
 Thornburgh-Creel Mfg. Co. (Elevator) X  
 Webster Mfg. Co., 1075 15th (Elevator) AA  
 Weller Mfg. Co., 118 E. North Av. (Elevator) C  
**ILL.—Evanston**  
 Mark Mfg. Co. (Chain Pump) AA  
**ILL.—Marseilles**  
 Marseilles Mfg. Co. (Elevator) A  
**IND.—Indianapolis**  
 Cooney, Seiner & Co. (Elevator) B  
 Nordyke & Marmon Co., 1101 W. Morris (Elevator) AAAA  
**IND.—Mishawaka**  
 Dodge Mfg. Co. (Elevator) AAA  
**KANS.—Leavenworth**  
 Great Western Mfg. Co. (Elevator) AA  
**LA.—New Orleans**  
 New Orleans Roofing & Metal Wks. A  
**MD.—Baltimore**  
 Ryan-McDonald Mfg. Co. (Hoisting; Coal; Steel; Ore) A  
**MICH.—Detroit**  
 Buhl Malleable Co., Wight & Adair (Elevator) A  
 Detroit Sprocket Chain Co. (Ltd.) (Coal) X  
**MICH.—Lansing**  
 Lansing Wheelbarrow Co. (Coal) AA  
**MINN.—Minneapolis**  
 Minneapolis Steel & Mchry. Co. (Elevator; Ore) A  
**MO.—Kansas City**  
 Weber Gas & Gasoline Engine Co. (Ore) B  
**MO.—St. Joseph**  
 St. Joseph Pump & Mfg. Co. (Elevator) B  
**MO.—St. Louis**  
 Leschen & Sons Rope Co. (Hoisting; Ore; Self Dumping) AAA  
 Nat'l Enameling & Stamping Co. (Sewer) AAAA  
 St. Louis Stamping Co. (Factory) AAAA  
**N. H.—Keene**  
 Impervious Package Co. (Sugar) B  
**N. H.—Sandown**  
 Lovering, J. W. (Well) O  
**N. J.—High Bridge**  
 Taylor Iron & Steel Co. (Elevator) AAAA  
**N. J.—Jersey City**  
 Smith & Sons Co., Theo. (Clam Shell) A  
**N. J.—Hoboken**  
 Union Iron Wks. (Coal; Ore; Dredging; Excavating; Elevator) D  
**N. J.—Newark**  
 Mundy, J. S. (Coal; Elevator) A

**BUCKETS (Con.)**  
**N. Y.—Albany**  
 Dederick's Sons, P. K. (Coal) .....A  
**N. Y.—Brooklyn**  
 American Stamping Co. (Fire; Galvanized) ....X  
 Phillips, Doup & Co., 56 Pearl (Clam Shell; Coal) .....D  
**N. Y.—Buffalo**  
 Noye Mfg. Co., Jno. T. (Elevator) .....D  
 Shepard & Co., Sidney (Fire; Galvanized) .....AAAA  
**N. Y.—Cuba**  
 Crosby Co. (Rubber for Chain Pumps) .....O  
**N. Y.—Elmira**  
 Cronk & Carrier Mfg. Co. (Chain Pump) .....B  
**N. Y.—Long Island City**  
 Stuebner, G. L. (Coal; Coal Steel; Ore) .....O  
**New York City**  
 Cordley & Hayes, 172 Duane (Fire; Paper) .....A  
 Fairbanks Co., 416 Broome (Elevator; Hoisting; Ore; Self Dumping) .....AAAA  
 Goodyear's India Rubber Glove Mfg. Co. (Deck; Yacht; Fire; Rubber) .....AAAA  
 Gutta Percha & Rubber Mfg. Co., 35 Warren (Fire; Rubber) .....AAAA  
 Hales Mfg. Co., Geo., 141st & Rider Av. (Coal; Ore) .....U  
**Hayward Co., 97 Cedar**  
 (Clam Shell; Dredging; Excavating) .....B  
**Hodgman Rubber Co., 595 Bway. (Fire; Rubber) AA**  
**Howard & Morse, 45 Fulton (Fire) .....D**  
**Iron Clad Mfg. Co. (Elevator; Deck; Yacht; Fire; Galvanized; Well) .AAA**  
**Lalace & Grojean Mfg. Co. (Factory) .....AAAA**  
**Link-Belt Engineering Co. (Elevator) .....AA**  
**Mineralized Rubber Co., 18 Cliff (Fire) .....A**  
**N. J. Foundry & Machine Co. (Hoisting; Self Dumping) .....U**  
**Ransome Concrete Machy. Co. (Elevator) .....C**  
**Stoutenborough, X (Sewer) .....D**  
**N. Y.—Niagara Falls**  
 Dobbie Fdry. & Machine Co. (Clam Shell; Coal; Ore; Orange Peel) .....B  
**N. Y.—Syracuse**  
 Syracuse Chilled Plow Co. (Steel; Sewer) .....AA  
**N. Y.—Utica**  
 Clark, Horrocks Co. (Minnow) .....A  
 Miller & Son, Chas. (Sap) .....AA  
**N. Y.—Warsaw**  
 Warsaw Elevator Co. (Salt) .....B  
**N. Y.—West New Brighton**  
 Hunt Co., C. W. (Hoisting) .....A  
**OHIO—Akron**  
 Akron Rubber Works (Rubber) .....AAAA  
 Webster Camp & Lane Co. (Clam Shell) .....A  
**OHIO—Canton**  
 Aultman Co. (Elevator) .A  
**OHIO—Cincinnati**  
 American Copper & Brass Wks. (Copper) .....A  
 Greenwald Co., I. & E. (Elevator) .....A  
 Obermayer Co., S., 647 Evans (Foundry) .....A  
**OHIO—Cleveland**  
 Avery Stamping Co. (Elevator; Steel; Seamless Elevator) .....A  
 Bartlett, C. O. & Snow Co. (Coal; Ore; Elevator; Hoisting) .....B  
 Brown Hoisting Mchry. Co. (Elevator; Self Dumping) .....AAAA  
 Cleveland Elevator Bucket

**BUCKETS (Con.)**  
 Co., 228 St. Clair .....D  
 Cleveland Galvanizing Wks. (Factory; Pump; Elevator) .....B  
 Garry Iron & Steel Co. (Ore; Hoisting; Self Dumping) .....A  
 Hunt & Dorman Mfg. Co., 18 High (Fire) .....AAAA  
 McMyler Mfg. Co. (Coal; Ore) .....A  
 Osborne Mfg. Co. (Factory) .....A  
 Schriver & Co., O. P. (Rubber; Chain Pump).O  
 Smith Fdry. Co., J. D., 40 S. Water (Foundry; Factory) .....D  
 Wellman-Seaver-Morgan Co. (Hoisting; Ore; Self Dumping) .....AAAA  
**OHIO—Columbus**  
 Case Mfg. Co. (Elevator) AA  
 Jeffery Mfg. Co. (Coal; Ore; Dredging; Excavating; Elevator; Crab) .....AA  
**OHIO—Salem**  
 Clark Co., W. J. (Ore; Dredge; Elevator; Elevator Steel, Seamless; Factory; Hoisting; Fire; Self Dumping; Steel; Ore) ..A  
**OHIO—Sandusky**  
 Kilbourn & Co. (Sugar) ...O  
**OHIO—Toledo**  
 Union Mfg. Co. (Deck; Yacht; Chain Pump; Rubber) .....X  
**OHIO—Youngstown**  
 Pollock Co., W. B. (Hoisting; Ore; Pipe) .....B  
**OHIO—Zanesville**  
 Griffiths & Wedge Co. (Ore) .....A  
**PA.—Allegheny**  
 Carlin's Sons, Thos. (Hoisting) .....A  
**PA.—Ashland**  
 Laubenstein, A. L. (Elevator) .....D  
**PA.—New Castle**  
 Penna. Engineering Wks. (Elevator) .....A  
**PA.—Philadelphia**  
 Paxon Co., J. W., 1021 Del. Av. (Foundry) .....AA  
 Pfeiffer & Co., Jno., 224 Race (Coal; Galvanized Iron; Asphalt) .....A  
**PA.—Pittsburg**  
 Scaife & Sons Co., Wm. B., 221 First Av. (Dredging; Excavating; Elevator; Auto. Steam Coal) .....B  
**PA.—Pittston**  
 Exeter Machine Wks. (Clam Shell) .....B  
**PA.—South Bethlehem**  
 Bethlehem Fdry. & Machine Co. (Elevator) .....C  
**PA.—Wilkesbarre**  
 Vulcan Iron Wks. (Coal; Ore; Hoisting; Elevator) .....AA  
**R. I.—Providence**  
 Hill Mfg. Co., Jas. (Galv. Iron) .....B  
**VA.—Richmond**  
 Richmond Cedar Wks. Well) .....AAAA  
**WIS.—Cudahy**  
 Power & Mining Machinery Co. (Coal; Ore; Dredging; Excavating; Elevator) ...AAA  
**WIS.—Milwaukee**  
 Chain Belt Co. (Hoisting; Coal; Steel; Ore Steel; Elevator) .....B  
**BUCKLES**  
 See also Silverware, etc.  
**CONN.—Bridgeport**  
 Armstrong Mfg. Co. (Ventilator) .....A  
 Connecticut Web Co. (Garter) .....A  
**CONN.—Middletown**  
 Chapman & Co., W. H. (Harness) .....B  
**CONN.—Mt. Carmel**  
 Woodruff & Sons, Walter W. (Harness) .....A

- BUCKETS (Con.)**  
**CONN.—New Britain**  
North & Judd Mfg. Co.  
(Belt; Hat; Overshoe; Suspend-  
er; Trouser; Wire;  
Garter; Harness).....AA  
Stanley Wks. (Back Band)  
AAA  
Traut & Hine Mfg. Co.  
(Suspender) .....A  
**CONN.—New Haven**  
Cowles & Co., C. (Harness)  
A  
Fitch Co., W. & E. T. (Belt;  
Harness; Steel) .....AA  
North & Co., O. B. (Steel;  
Harness; Arctic) .....AA  
**CONN.—Shelton**  
Mosher, Geo. D. (Harness)  
D  
**CONN.—Waterbury**  
Lane Mfg. Co. (Belt; Gar-  
ter) .....X  
Scoville Mfg. Co. (Brass)  
AAAA  
Waterbury Buckle Co.  
(Shoe; Belt) .....AA  
**CONN.—West Haven**  
American Buckle Co. (Gar-  
ter; Hat; Overshoe; Sus-  
pender; Trouser; Deformi-  
ty Appliance; Truss)...D  
West Haven Buckle Co.  
(Suspender; Trouser)...C  
**ILL.—Chicago**  
Illinois Malleable Iron Co.  
(Pine) .....AAAA  
**MASS.—Boston**  
Boston Bolt Co., 33 Purchase  
(Pipe) .....B  
**MASS.—Springfield**  
Newell Bros. (Lock Prong)  
X  
**MASS.—Waltham**  
Thompson Mfg. Co., Judson  
C. (Overshoe) .....A  
**MASS.—Worcester**  
Spencer Wire Co. (Wire) .A  
**N. J.—Newark**  
Grossner, F. W. (Harness) H  
Jenkinson & Co., R. C.  
(Belt; Trunk; Bag) AA  
Newark Saddlery Co. (Arc-  
tic; Ladies' Belt) ....H  
Sargeant Mfg. Co. (Harness)  
A  
Weiner & Co. (Steel; Har-  
ness) .....C  
**N. Y.—Binghamton**  
Crandal, Stone & Co. (Har-  
ness) .....A  
**N. Y.—Brooklyn**  
Goodyear Buckle Co. (Arc-  
tic; Legging; Skate Strap;  
Overshoe) .....B  
**N. Y.—Fulton**  
Dilts Mach. Co. (Steel) .C  
New York City  
Halls' Sons, S., 229 W. 10th  
(Pine; Pipe) .....A  
Marks, A. A. (Deformity  
Appliance) .....AA  
Metal Stamping Co. (Har-  
ness) .....B  
Stimpson & Son, Edwin B.  
(Shoe) .....A  
**N. Y.—Syracuse**  
Frazer & Jones Co. (Arctic)  
AA  
**OHIO—Canton**  
Elbel Co. (Steel; Cinch; Fly;  
Girth; Harness; Skate;  
Spur Strap) .....A  
**OHIO—Cleveland**  
Eberhard Mfg. Co. (Har-  
ness; Brass) .....AA  
**OHIO—Mansfield**  
Ohio Brass Co. (Tongueless)  
AA  
**PA.—Lebanon**  
American Iron & Steel Mfg.  
Co. (Pipe) .....AAAA  
**PA.—Phila.**  
Develin Mfg. Co., Thos.  
(Steel) .....AA
- BUCKRAM**  
**MASS.—Medfield**  
Ray & Wilson .....C  
**MASS.—Taunton**  
Chandler Oilcloth & Buck-  
ram Co. ....A  
**N. J.—Bloomfield**  
Wiggins Sons Co., H. B...A
- BUCKRAM (Con.)**  
**N. J.—Passaic**  
McLean Co., Andrew ....AA  
**N. J.—Tenafly**  
Richter Mfg. Co.....C  
New York City  
Adams Mfg. Co., 106 Grand  
A  
**N. Y.—Valley Falls**  
Thompson & Co., Jas....AA
- BUCKS**  
**IND.—Goshen**  
I. X. L. & Goshen Pump  
Co. (Saw) .....B  
**IND.—Indianapolis**  
Atkins & Co., E. C. (Saw)  
AAA  
Tucker & Dorsey Mfg. Co.  
(Saw) .....A  
**IOWA—Fort Madison**  
Iowa Farming Tool Co.  
(Saw) .....A  
**OHIO—Columbus**  
Ohio Tool Co. (Saw) .....A  
**OHIO—Toledo**  
Union Mfg. Co. (Saw)....X  
**PA.—Philadelphia**  
Disston & Sons, Henry  
(Saw) .....AAAA
- BUCKSKINS**  
See Leather
- BUCKWHEAT**  
See Cereals
- BUFFERS**  
**ILL.—Chicago**  
National Car Coupler Co.  
Monadnock Bk. ....A  
**MASS.—Boston**  
Edson Mfg. Co. (Broom)..B  
**N. J.—Newark**  
Heller Bros. Co. (Black-  
smith) .....AA
- BUFFETS**  
See also Furniture
- IND.—Cornersville**  
Indiana Furniture Co.....A  
**MICH.—Grand Rapids**  
Grand Rapids Chair Co..AA  
**OHIO—Cincinnati**  
Mitchell Furniture Co., R.  
AAAA
- BUFFS**  
See Wheels; Buffing
- BUGGIES**  
See Carriages & Wagons
- BUGLES**  
See Musical Instruments
- BULBS**  
For Flowers, see Seeds
- CONN.—New Haven**  
Seamless Rubber Co. (Rub-  
ber) .....AA  
**IND.—Alexandria**  
Lippencott Glass Co. (In-  
candescent Lamp) .....A  
**MASS.—Andover**  
Tyr Rubber Co. (Rubber)  
AA  
**MASS.—Boston**  
Bailey & Co., C. J. (Rub-  
ber) .....B  
Davidson Rubber Co. Rub-  
ber; Breast Pump)....A  
**MASS.—New Bedford**  
Fairmont Mfg. Co. (Incan-  
descent Lamp) .....AA  
**N. Y.—Corning**  
Corning Glass Co. (Incan-  
descent Lamp) .....A  
**N. Y.—New Brighton**  
Muralo Co. (Relief Paint-  
ing) .....A  
New York City  
Goodyear's India Rubber  
Glove Mfg. Co. (Rubber)  
AAAA  
Mattson Rubber Co. (Rub-

**BULBS (Con.)**

ber) ..... B  
 Parker, Stearns & Sutton  
 (Rubber) ..... B  
 Van Houten, E. J. S. (In-  
 candescent Light) ..... B  
 Wagner Glass Wks., 213 E.  
 19th (Incandescent Lamp) ..... D

**OHIO—Akron**

Akron Rubber Wks., (B. F.  
 Goodrich Co.) (Rubber) ..... A  
 AAAAA

**OHIO—Fostoria**

Fostoria Bulb & Bottle Co.  
 (Incandescent Lamp) ..... A

**OHIO—Steubenville**

Gill Bros. & Co. (Electric) ..... A  
 AA

**OHIO—Toledo**

Libbey Glass Co. (Incan-  
 descent Lamp) ..... AA

**PA.—Pittsburg**

Phoenix Glass Co. (Incan-  
 descent Lamp) ..... A

**R. I.—Providence**

Davol Rubber Co. (Rubber) ..... A  
 AA

**BUMPERS****CONN.—Bridgeport**

Canfield Co., H. O. (Screw;  
 Rubber) ..... B

Knapp & Cowles Mfg. Co.  
 (Rubber; Car) ..... C

**ILL.—Chicago**

Morgan & Wright, 333 W.  
 Lake (Elevator) ..... AA

Railway Appliance Co. (R.  
 R. Car) ..... A

**N. J.—Jersey City**

N. J. Car Spring & Rubber  
 Co. (Rubber; Car) ..... AA

**N. J.—Trenton**

Home Rubber Co. (Wagon) ..... A  
 AA

**New York City**

Gutta Percha & Rubber Mfg.  
 Co. (Rubber; Car) ..... AAAAA

Rubber Goods Mfg. Co. (R.  
 R. Car) ..... AAAAA

**BUNCHERS**

See also Agr. Implements

**IND.—Indianapolis**

American Buncher Mfg. Co. ..... B

**LA.—Shreveport**

Henderson Iron Works &  
 Supply Co., W. K.  
 (Shingle) ..... AA

**N. J.—Hightstown**

Shangle, John R. (Aspara-  
 gus) ..... C

**N. Y.—Greene**

Lyon Iron Works (Shingle) ..... B

**PA.—Philadelphia**

Dreer, Henry A. (Aspara-  
 gus) ..... A

**BUNDLERS****MICH.—Kalamazoo**

Hill & Co., W. E. (Lath) ..... B

**New York City**

Reilly Bros. (Wall Paper) ..... D

**VT.—Montpelier**

Lane Mfg. Co. (Lath) ..... A

**WIS.—Eau Claire**

Phoenix Mfg. Co. (Lath) ..... A

**BUNGS****ILL.—Chicago**

Economical Beer Pump Co. ..... D

Liquid Carbonic Acid Mfg.  
 Co. ..... AAAAA

Redlich Mfg. Co. (Wood;  
 Cork Lined) ..... B

**MAINE—Portland**

Portland Cooperage Co.  
 (Cut; Lager Beer) ..... C

**MASS.—Cambridgeport**

Standard Turning Wks. .... C

**MASS.—Lowell**

Bachelor & Co. (Beer Kegs) ..... C

**N. J.—Newark**

Sommers' Son, J. (Wooden)

**BUNGS (Con.)****N. Y.—Albany**

Kampf, Stephen ..... B

**N. Y.—Brooklyn**

U. S. Bung Mfg. Co. .... A

**New York City**

Cahn & Co., Hugo ..... A

**OHIO—Cincinnati**

U. S. Bung Mfg. Co. ....  
 (Brewers) ..... A

**OHIO—Cleveland**

Taylor & Boggis Fdry. Co.  
 (Oil Can) ..... AA

**PA.—Philadelphia**

Keller, Robert (Brewers') .. D

**PA.—Pittsburg**

Armstrong Cork Co. .... AAAAA

**BUNKS**

See Beds

**BUNTING**

See also Cotton Goods

**MASS.—Boston**

Boston Regalia Co., 7  
 Temple Pl. (Silk) ..... F

**MASS.—Fitchburg**

Fitchburg Worsted Co. .... X

**MASS.—Lowell**

New England Bunting Co. .... AAAAA

**N. S. Bunting Co.**

N. Y.—New Hartford  
 New Hartford Cotton Mfg.  
 Co. .... A

**PA.—Philadelphia**

Horstmann Co., Wm. H. .... AAAAA

Prince, S. L., 2553 Jasper  
 (Wool Flag) ..... F

**R. I.—Pawtucket**

Slater Cotton Co. .... AA

**BUOYS****DEL.—Wilmington**

Dreln & Son, Thos. .... B

**N. Y.—Brooklyn**

Kahnwellers' Sons, David  
 (Marine) ..... C

N. Y.—Long Island City  
 Lane & De Groot Co. .... D

**PA.—Pittsburg**

Armstrong Cork Co. (Cork;  
 Cork Life; Marine), AAAAA

**BUREAUS**

See Furniture

**BURGEES****MINN.—Minneapolis**

American Tent & Awning  
 Co. .... F

**New York City**

American Flag Co. .... A

**Boyle & Co., Jno.**

Koster Co., C. H. .... D

**McHugh, Jno. F.**

McHugh, Jno. F. .... C

**BURLAPS****CAL.—San Francisco**

California Jute Mill Co. .... A

**GA.—Atlanta**

Fulton Bag & Cotton Mills ..... AA

**N. J.—Bloomfield**

Wiggins Sons Co., H. B.  
 (Decorative) ..... A

**N. J.—Tenafly**

Richter Mfg. Co. (Decora-  
 tive) ..... C

**New York City**

Beck & Co., Fr., 7th Av. &  
 29th (Decorative) ..... A

Roberts, Edw. Craig, 13 E.  
 30th (Japanese Decora-  
 tive) ..... X

**Scott & Sons, Jas. (Com.)**

Turner & Co., J. Spencer,  
 88 Worth (Decorative) .. A

White & Co., Jas. F. (Com.) ..... AAAAA

**PA.—Philadelphia**

Bailey & Co., Jno. T. .... AAAAA

**S. C.—Charleston**

Charleston Bagging Mfg.  
 Co. .... AAAAA

**BURLAPS (Con.)**

**TENN.**—Jackson  
Jackson Fibre Co. ....AAAA

**BURNERS**

**CAL.**—San Francisco  
Pacific Acetylene Gas Co.  
(Acetylene Gas) .....G

**CONN.**—Bridgeport  
Bridgeport Brass Co. (Argand; Gasoline; Lamp; Lantern; Kerosene)....AAA

**CONN.**—Bristol  
Bristol Brass & Clock Co.  
(Lamp) .....F

**CONN.**—Meriden  
Bradley & Hubbard Mfg. Co.  
(Argand; Lamp)....AAAA

**CONN.**—Edw. (Incandescent Gas; Argand; Lamp; Lantern)....AAAA

**CONN.**—Stamford  
Stamford Gas Stove Co. (Incandescent; Natural Gas) C

**CONN.**—Waterbury  
Benedict & Burnham Mfg. Co. (Incandescent Gas; Lamp) .....AAAA

**CONN.**—Electrical Appliance Mfg. Co. (Electric Gas Lighting) .....G

**CONN.**—Holmes, Booth & Haydens Co. (Inc.) (Argand; Lamp) .....AAAA

**CONN.**—Plume & Atwood Mfg. Co. (Kerosene; Incandescent Gas; Argand; Lamp) AAA

**CONN.**—Scovill Mfg. Co. (Lamp; Kerosene) .....AAAA

**ILL.**—Chicago  
Abner Acetylene Gas Co., La Salle (Acetylene Gas)...E

**ILL.**—Adams & Westlake Co. (Oil Fuel) .....AAAA

**ILL.**—Bystrom Gas Lamp Co., 91 Kinzie (Gasoline; Gas) F

**ILL.**—Carroll, J. B., 38 La Salle (Acetylene Gas) .....E

**ILL.**—Chicago Pneumatic Tool Co., Fisher Bldg. (Paint) AAAA

**ILL.**—Flory, Louis, 218 Washn. (Gasoline; Gas) .....F

**ILL.**—Illinois Malleable Iron Co., 30 W. Monroe (Natural Gas) .....AAAA

**ILL.**—International Gas & Fuel Co., 183 Dearborn (Fuel Oil) .....X

**ILL.**—Turner Brass Wks., 69 N. Franklin (Gasoline Gas; Paint; Brazing) .....D

**ILL.**—Union Drop Forge Co. (Oil Fuel) .....A

**ILL.**—Williamson & Co., R., 52 E. Lake (Acetylene; Natural Gas) .....A

**KY.**—Louisville  
Daylight Acetylene Gas Co. (Acetylene Gas) .....E

**MAINE.**—Portland  
Conant Co., R. O. (Brazing) F

**MASS.**—Boston  
Boston Electric Co., 29 Harrison (Electric Gas Lighting) .....B

**MASS.**—Electric Gas Lighting Co., 195 Devonshire (Electric Gas Lighting) .....A

**MASS.**—McKenney & Waterbury (Natural Gas) .....D

**MASS.**—Walworth Mfg. Co. (Gas Heating; Gasoline) AAAA

**MASS.**—Brookline  
Holtzer-Cabot Electric Co. (Electric Gas Lighting) A

**MASS.**—Somerville  
Borg, Peter (Automobile Gasoline) .....C

**MICH.**—Detroit  
Clayton & Lambert Mfg. Co. (Acetylene Gas; Paint) B

**MICH.**—Detroit Brass Wks., 7th & M. C. E. R. (Natural Gas) B

**MICH.**—Economy Stove & Mfg. Co. (Natural Gas) .....E

**MICH.**—Union Heater Supply Co., 15 Macomb (Paint) .....G

**MICH.**—Muskegon  
Muskegon Boiler Wks. (Refuse) .....B

**BURNERS (Con.)**

**MICH.**—Saginaw  
Jackson & Church Co. (Refuse) .....A

**MINN.**—Minneapolis  
Central Gas Fixture Co. (Natural Gas) .....E

**MO.**—St. Louis  
American Stove Co. (Natural Gas) .....AAAA

**MO.**—Eagle Generator Co., 16th & Pine (Acetylene Gas)...D

**MO.**—Kraushaar Lamp & Reflector Co., 510 Elm (Natural Gas) .....D

**MO.**—Merkel, Herman, 511 Elm (Gasoline Gas) .....X

**MO.**—Planet Mfg. Co., 203 Pine (Gasoline Gas) .....E

**MO.**—N. J.—Elizabeth  
American Gas Furnace Co. (Jewelers') .....A

**MO.**—N. J.—Gloucester City  
Rogers Boat Wks., J. M. (Fuel Oil; Kerosene)...B

**MO.**—Welsbach Light Co. (Incandescent Gas) .....AAA

**MO.**—N. J.—Jersey City  
Wiederhold Light Co. (Incandescent Gas) .....D

**MO.**—N. Y.—Auburn  
Standard Oil Fuel Burner Co. (Hydro-Carbon) AAAA

**MO.**—N. Y.—Brooklyn  
Incandescent Burner Co., 633 Fulton (Incandescent; Acetylene Gas) .....E

**MO.**—Northern Light Co., 1242 Fulton (Acetylene; Natural Gas) .....E

**MO.**—N. Y.—Buffalo  
Buffalo Dental Mfg. Co. (Gas Heating; Jewelers'; Bunsen) .....E

**MO.**—Niagara Machine & Tool Wks. (Gasoline Stove)...A

**MO.**—O'Reilly, Michael J. (Natural Gas) .....D

**MO.**—Tallmage, M. F. (Natural Gas) .....B

**MO.**—Taylor, J. B. (Natural Gas) F

**MO.**—Vim Cycle Hdw. Co., 224 Bway. (Natural Gas)...E

**MO.**—N. Y.—Hoosick Falls  
American Acetylene Burner Co. (Acetylene Gas)...B

**MO.**—New York City  
Acetylene Gas Illuminating Co., 105 Walker (Acetylene Gas) .....E

**MO.**—American Brass & Copper Co. (Acetylene Gas)...E

**MO.**—American Incandescent Lamp Co. (Incandescent Gas) .....E

**MO.**—Bogart Co., A. L., 123 Liberty (Electric Gas Lighting; Argand; Automatic) F

**MO.**—Bramhall-Deane Co. (Jewelers') .....B

**MO.**—Colt Co., J. B., 21 Barclay (Acetylene Gas) .....D

**MO.**—Crane Co., W. M., 1133 Bway. (Acetylene & Natural Gas; Self Lighting Gas) .....A

**MO.**—Cremo Incandescent Light Co., 110 E. 129th (Incandescent Gas) .....F

**MO.**—Criterion Gas Stove Mfg. Co., 445 Greenwich (Natural Gas) .....B

**MO.**—Deeley & Co., Robt. (Bagasse) .....AA

**MO.**—De Lery Light Co., 256 W. 23d (Natural Gas) .....D

**MO.**—Dietz Co., R. E. (Lantern) A

**MO.**—Edwards & Co., 407 E. 144th (Electric Gas Lighting) C

**MO.**—Folmer & Schwing Mfg. Co. (Gas) .....B

**MO.**—Gas Tin & Self Lighter Co., 25 W. Bway. (Acetylene Gas) .....B

**MO.**—Gilbert & Barker Mfg. Co., 82 John (Fuel Oil; Incandescent Gas; Gas Heating) .....O

**MO.**—Gleason Mfg. Co., E. A., 20 W. Houston (Acetylene; Natural Gas; Gas Heater) .....A

**MO.**—Gleason-Peters Air Pump Co.

# BURNERS (Con.)

20 W. Houston (Hydro-Carbon) .....D  
Hancock Inspirator Co., 85 Liberty (Fuel Oil).....A  
Iden & Co., 40 University Pl. (Acetylene Gas) .....AA  
Imperial Gas Machine Co., 32 Park Pl. (Acetylene; Natural Gas) .....F  
Kern Incandescent Gas Light Co., 18 Murray...C  
Kirchberger & Co., M., 50 Warren (Acetylene Gas) B  
Manhattan Brass Co., 338 E. 28th (Incandescent Gas) AA  
Manhattan Electrical Supply Co., 32 Cortlandt (Electric Gas Lighting).....A  
Manning, Maxwell & Moore, 85 Liberty (Hydro-Carbon) AA  
Matchless Mfg. Co. (Gas Incandescent) .....D  
Mitchell-Vance Co. (Gas) AA  
Monmand, Sherman S., 672 Columbus Av. (Incandescent Gas) .....F  
Nichols, Wm. S., 253 Bway. (Acetylene Gas) .....X  
Orchard Mfg. Co., 51 Frankfort (Natural Gas).....F  
Parsons Mfg. Co., 320 Bway. (Fuel Oil) .....C  
Reilly Bros. (Painters'; Charcoal) .....D  
Rochester Lamp Co., 38 Park Pl. (Natural Gas; Lamp) .....X  
Rockwell Engineering Co., 26 Cortlandt (Fuel Oil).B  
Rousseau's Electrical Wks., 329 4th Av. (Electric Gas Lighting) .....E  
Seabury & Johnson (Cantury) .....AA  
Tirrill Gas Machine Lighting Co., 441 Bway. (Gasoline Gas) .....A  
United Metal Mfg. Co., 525 Broome (Acetylene Gas) D  
Van Houten, E. J., 74 Park Pl. (Natural Gas).....B  
Wellington Mfg. Co. (Gasoline) .....X  
N. Y.—Oswego  
Tonkin Boiler Co. (Automobile Kerosene) .....X  
N. Y.—Rochester  
Clark Nov. Co. (Kerosene Oil) .....D  
OHIO—Canton  
Best Street Light Co. (Paint) .....B  
Sun Vapor Street Light Co. (Gasoline Gas) .....A  
OHIO—Cincinnati  
Incandescent Light & Stove Co., 420 Pearl (Gasoline Gas) .....D  
MacLeod & Co., Walter, 463 E. Front (Paint) .....B  
Vanduzen Co., E. W. (Gas Engine) .....B  
OHIO—Cleveland  
Dangler Stove & Mfg. Div. Am. Stove Co. (Auto.) AAAAA  
Drake Acetylene Apparatus Co., 37 Hathaway (Acetylene Gas) .....F  
Forest City Brass Works (Gasoline) .....B  
Hull, M. L. (Paint; Street Lamp) .....H  
Natural Stove & Illuminating Co., New England Bldg. (Acetylene Gas) ..D  
Schneider & Trenkamp Co. (Paint) .....AAAA  
OHIO—Columbus  
Elk Heater Mfg. Co. (Natural Gas) .....D  
Ohio Pump Brass Co. (Natural Gas) .....B  
Victor Lighting Co. (Gasoline Gas) .....F  
OHIO—Dayton  
Dayton Pipe & Cable Counseling Co. (Natural Gas) ..B  
OHIO—Massillon  
Hess, Snyder Co. (Natural

# BURNERS (Con.)

(Gas) .....AA  
OHIO—Toledo  
National Cement & Rubber Mfg. Co. (Brasing) ....C  
Toledo Gas & Oil Burner Co. (Natural Gas).....E  
PA.—Allegheny  
Enterprise Fdry. Co. (Natural Gas) .....E  
Pittsburg Lamp Brass & Glass Co. (Incandescent Gas; Argand; Lamp) AAAAA  
Superior Mfg. Co. (Natural Gas) .....C  
PA.—Claysville  
Jamison & Co., T. H. (Natural Gas) .....F  
PA.—Corry  
Love Mfg. Co. (Natural Gas) F  
PA.—Easton  
William & Co., C. K. (Paint) .....A  
PA.—Erie  
Hollands Mfg. Co. (Natural Gas) .....C  
Odin Stove Mfg. Co. (Natural Gas) .....B  
PA.—Homestead  
Lawson Mfg. Co., L. S. (Natural Gas) .....D  
PA.—Meadville  
Lord Co., L. I. (Natural Gas) .....D  
PA.—New Brighton  
Pittsburg Clay Mfg. Co. (Natural Gas).....AAAA  
PA.—Philadelphia  
Boekel & Co., Wm., 578 Vine (Bunsen; Glass Blower) .....A  
Brown & Co., F. P., 45 N. 6th (Acetylene; Natural Gas) .....E  
Cleverly Electric Wks., 1018 Chestnut (Electric Gas Lighting) .....F  
Cox & Sons Co., 215 Race (Fuel Oil) .....B  
Gefrorer, C. A. (Gasoline) F  
Janney, Steinmetz & Co. (Auto.) .....D  
Morris, Henry G. (Bagasse) B  
Parke & Co., Jno. G., 728 Cherry (Electric Gas Lighting) .....D  
Valleo Bros. Electric Co., 625 Arch (Electric Gas Lighting) .....B  
PA.—Pittsburg  
Adler Co., H. (Natural Gas) B  
Oil Well Supply Co. (Natural Gas) .....AAAA  
Pittsburg Stove & Range Co. (Natural Gas) AAAAA  
Pittsburg Supply Co. (Natural Gas) .....A  
Reineke Wilson Co. (Natural Gas) .....B  
Simpson Stove & Mfg. Co., 26 Liberty Av. (Natural Gas) .....D  
Standard Heating & Radiator Co., 108 Market (Furnace Gas) .....C  
Tate, Jones & Co., Empire Bldg. (Fuel Oil) .....E  
PA.—Reading  
National Brass & Iron Wks. (Lamp) .....A  
PA.—Titusville  
Young & Sons, E. R. (Natural Gas) .....B  
PA.—Uniontown  
Johnson Machine Co. (Natural Gas) .....D  
PA.—Washington  
Petroleum Iron Wks. Co. (Fuel Oil) .....B  
R. I.—Providence  
Providence Gas Burner Co. (Gasoline Gas; Jewelers') C  
S. C.—Charleston  
Valk & Murdock Iron Wks. (Pyrites) .....B  
TENN.—Chattanooga  
American Lava Co. (Gas).D  
Casey & Hedges Mfg. Co. (Bagasse) .....A  
Crescent Novelty Co. (Acety-

**BURNERS (Con.)**  
lene Gas) .....E  
Starr Acetylene Gas Burner  
Co. (Acetylene; Natural  
Gas) .....B  
State Line Mfg. Co. (Acety-  
lene; Natural Gas) .....D  
Steward Mfg. Co., D. M.  
(Acetylene; Natural Gas) .....B

Sunlight Acetylene Gas  
Burner Co. (Natural Gas) .....F

**TENN.**—Memphis  
Irby & Gilliland (Natural  
Gas) .....A

**TEXAS**—Fort Worth  
Lewis Gas Machine Mfg.  
Co. (Acetylene Gas) .....F

**W. VA.**—Wheeling  
Hibbard & Son, Geo. (Nat-  
ural Gas) .....E  
Wheeling Gas Stove &  
Range Co. (Natural Gas) .....C

Wheeling Stamping Co.  
(Lamp) .....A

**WIS.**—Milwaukee  
Milwaukee Gas Stove Co.  
(Natural Gas) .....C

## BURNISHERS

See also Machinery

**ILL.**—Chicago  
Latham Machy. Co. (Book-  
binders') .....C

**MAINE**—Bangor  
Bangor Edge Tool Co.  
(Photograph) .....D

**MASS.**—Boston  
United Shoe Machy. Co.  
(Heel) .....AAAA

**MASS.**—Brockton  
Miller, O. A. (Heel) .....B  
Tuck Mfg. Co. ....E

**SS.**—Lynn  
Elles & Co., Geo. W. (Heel) .....Q

**MASS.**—Millburg  
Buck, Chas. ....B  
Buck Bros. ....A

**MASS.**—Springfield  
Bullock & Co., O. W. (Jew-  
elers') .....A

**MICH.**—Kalamazoo  
Humphrey Mfg. & Plating  
Co. (Photograph) .....D

**N. Y.**—Brooklyn  
Ross & Son Co., Chas. 16  
Steuben (Can) .....D

**N. Y.**—Fulton  
Acme Burnisher Co. (Photo-  
graph) .....A

**PA.**—Harrisburg  
Hickok Mfg. Co., W. Q.  
(Bookbinders') .....AA

**PA.**—Philadelphia  
Entrekin, Mrs. Sarah,  
Mayunk (Photograph) .....E

## BURRS

See also Washers

**CONN.**—Bridgeport  
Bridgeport Brass Co. (Cop-  
per) .....AA

**CONN.**—Bristol  
Sessions & Son, J. H.  
(Canitol) .....AAA

**CONN.**—New Britain  
Stanley Wks. (Steel) .....AAA

**CONN.**—Unionville  
Upson Nut Co. (Iron) .....AAA

**CONN.**—Waterbury  
Benedict & Burnham Mfg.  
Co. (Conner) .....AAAA

Holmes, Booth & Haydens  
Co. (Inc.) (Copper) .....AAAA

Plume & Atwood Mfg. Co.  
(Conner) .....AAA

Waterbury Brass Co. (Cop-  
per) .....AAAA

**ILL.**—Chicago  
Grand Crossing Tack Co.  
(Steel) .....AAA

**MASS.**—Plymouth  
Cobb & Drew (Iron; Steel) .....AA

Plymouth Mills (Steel) .....B  
**MASS.**—Worcester  
Reed & Prince Mfg. Co.  
(Iron) .....A

**BURRS (Con.)**  
**N. J.**—Newark  
Jenkinson & Co., R. C.  
(Steel) .....A  
**New York City**  
Ansonia Brass & Copper Co.  
(Copper) .....AAAA  
Hall's Sons, Samuel (Steel) .....A

Hungerford Brass & Copper  
Co., U. T. (Copper) .....A

**OHIO**—Canton  
Elbel Co. (Iron) .....AA  
**R. I.**—Providence  
American Screw Co. (Iron;  
Steel) .....AAAA

**WIS.**—Milwaukee  
Wrought Washer Mfg. Co.  
(Steel) .....A

## BUSHINGS

See also Bearings

**CONN.**—Bridgeport  
Belknap Mfg. Co. (Brass) .....O

**ILL.**—Chicago  
Economical Beer Bung Co.  
(Brewers') .....D

Union Elevator & Machine  
Co., 144 Ontario (Self  
Lubricating) .....C

Western Tube Co., 204 Dear-  
born (For Pipe Fittings) .....X

**IND.**—Mishawaka  
Dodge Mfg. Co. (Pulley) .....AAA

**IND.**—Peru  
Peru Electric Mfg. Co.  
(Battery) .....A

**MAINE**—Bath  
Torry Roller Bushing Wks.  
(Roller Bearing & Trolley  
Wheel) .....B

**MASS.**—Boston  
Boston & Lockport Block Co.  
(Pulley; Metalene) .....B

Hamlin & Emery Brass Co.,  
26 Island (Brass Flush;  
Hexagon) .....D

**MICH.**—Detroit  
American Tap Bush Co.  
(Brewers') .....O

**N. J.**—Bound Brook  
Graphite Lubricating Co.  
(Graphite; Bronze; Trol-  
ley Wheel) .....A

**N. J.**—Harrison  
Hratt Roller Bearing Co.  
(Roller Bearing) .....D

**N. J.**—Trenton  
Electric Porcelain & Mfg.  
Co. (Porcelain) .....D

**N. Y.**—Brooklyn  
Bliss Co., E. W., 17  
Adams .....AAAA

**N. Y.**—Long Island City  
North American Metalene  
Co. (R. W. Thomas & Co.)  
(Loose Pulley; Ollers;  
Tackle Block Sheaves) .....D

**New York City**  
Herman & Fischer (Brew-  
ers') .....B

Schwenker, W. M. (Brew-  
ers') .....B

**N. Y.**—Schenectady  
General Electric Co. ....AAAA

**N. Y.**—Syracuse  
New Process Raw Hide Co.  
(Raw Hide) .....B

**OHIO**—Cincinnati  
Powell Co., Wm., 2525  
Spring Grove Av. ....AAA

United States Bung Mfg. Co.  
(Brewers') .....A

**OHIO**—Columbus  
Case Mfg. Co. (Pulley) .....AA

**OHIO**—Toledo  
Toledo Rushing Co. (Brew-  
ers'; Chip Casks) .....F

**PA.**—Philadelphia  
American Pulley Co., 29th  
& Bristol (of all kinds) .....A

Brill Co., J. G., 62d & Wood-  
land Av. (Trolley Wheel) .....AAAA

Holmes Fibre Graphite Mfg.  
Co., 5155 Wakefield  
(Electrical) .....D

Keller, Robert (Brewers';  
Journal Bearing) .....D

Pressed Steel Mfg. Co.,  
Ridge Av. & Willow

**BUSHINGS (Con.)**  
 (Ball Bearings; Pulley).C  
**PA.—Pittsburg**  
 Fullman Co., Third (Con-  
 duit) .....E  
 Pittsburg Pulley Co. (Pul-  
 ley) .....B  
**PA.—Scranton**  
 Scranton Button Co. (In-  
 candescent Lamp) ....A  
**PA.—Williamsport**  
 Darling Pump & Mfg. Co.  
 (Brass) .....B  
**WIS.—Milwaukee**  
 Smith-Medberry Mfg. Co.  
 (Brewers') .....D

## BUSKINS

**CONN.—Hartford**  
 Wiley & Son, Wm. H. ....A  
**ILL.—Chicago**  
 Phelps, Dodge & Palmer  
 Co. ....X  
 Wells & Co., M. D. ....AAA  
**MASS.—Boston**  
 Daniels & Co., Geo. F. ....A  
**MASS.—Lynn**  
 Grovers' Sons, J. J. ....A

## BUSTLES

**MD.—Baltimore**  
 Brinkman & Co., A. H. ....C  
 Pohl & Co., E. ....C  
**MICH.—Ann Arbor**  
 Goodspeed Mfg. Co. ....E  
**N. Y.—Syracuse**  
 Wood & Co., J. E. ....C  
**PA.—Philadelphia**  
 Weston & Wells Mfg. Co.  
 (Braided Wire) .....B

## BUTTER

See Appendix

## BUTTER

See Jams; Jellies & Marmalade.

## BUTTERINE

See also Oleomargarine

**ILL.—Chicago**  
 Armour & Co. ....AAAA  
 Braun & Fitts, 187 No.  
 Union .....AA  
 Friedman Mfg. Co., Union  
 Stock Yards .....A  
 Hammond Co., G. H.,  
 Union Stock Yards. ....AAAA  
 Moxley, W. J., Rand &  
 Clinton .....A  
 Swift & Co. ....AAAA  
**MO.—Kansas City**  
 Dold Butterine Co., 1500  
 No. 9th .....F  
**N. J.—Jersey City**  
 Ammon & Person, 138 9th  
 B  
**New York City**  
 Armour Packing Co. ....AAAA  
 Oakdale Mfg. Co., 16 Ex-  
 change Pl. ....AA  
 Schwarzschild & Sulzberger  
 Co. ....AAAA  
**OHIO.—Columbus**  
 Capital City Dairy Co.  
 (The) .....A  
**PA.—Pittsburg**  
 Holland Butterine Co., 518  
 1st Av. ....D

## BUTTERISES

**CONN.—Southington**  
 Peck, Stow & Wilcox Co.  
 AAAA  
**MASS.—Greenfield**  
 Wells Bros. & Co. ....A  
**New York City**  
 Sargent & Co., 151 Leonard  
 AAAA  
**PA.—Philadelphia**  
 Plumb, Fayette R. (Black-  
 smiths') .....AA

## BUTTONS

See also Jewelry

**CONN.—Ansonia**

**BUTTONS (Con.)**  
 Ansonia Electric Co. (Push)

**V.—Derby**  
 Griffin Button Co. (Horn) B  
**CONN.—Deep River**  
 Pratt, Read & Co. (Ivory) AA  
**CONN.—East Hampton**  
 Starr Bros. Bell Co. (Push) B  
**CONN.—Greystone**  
 Greystone Mfg. Co. (Glove) F  
**CONN.—Gullford**  
 Spencers' Sons, I. S. (Elec-  
 tric Push) .....A  
**CONN.—Meriden**  
 International Silver Co.  
 (Glove) .....AAAA  
**CONN.—Middletown**  
 Rogers & Hubbard Co.  
 (Bone) .....A  
**CONN.—New Britain**  
 Corbin, P. & S. (Push) AAAA  
**CONN.—New Haven**  
 Cowles & Co., C. (Inc.)  
 Carriage; Tuffing) .....A  
 Mallory, Wheeler Co. (Elec-  
 tric Push) .....AA  
 Sargent & Co. (Push). ....AAAA  
**CONN.—Plainville**  
 Clark & Son, A. N. (Adver-  
 tising; Glove) .....B  
**CONN.—Torrington**  
 Union Hdw. Co. (Push). ....AA  
**CONN.—Wallingford**  
 Wallace & Sons Mfg. Co.,  
 R. (Glove) .....AAAA  
**CONN.—Waterbury**  
 Lane Mfg. Co. (Brass; Cloth  
 Covered; Dress; Cloak;  
 Engraved; Metal; Mil-  
 itary; Silver; Tin Faced;  
 Patent Trousers; Trou-  
 sers; Collar; Cuff) .....X  
 Patent Button Co. (Rubber;  
 Trousers) .....A  
 Platt Bros. Co. (Inc.) Brass;  
 Metal; Trousers; Patent  
 Trousers) .....B  
 Scovill Mfg. Co. (Brass;  
 Cloth; Dress; Cloak;  
 Engraved; Metal; Mil-  
 itary; Composition; Rub-  
 ber; Silk; Silver; Tin  
 Faced; Trousers; Patent  
 Trousers) .....AAAA  
 Steele & Johnson Mfg. Co.  
 (Engraved; Metal; Mil-  
 itary; Silver) .....A  
 Waterbury Button Co. (Com-  
 position; Covered; Dress;  
 Cloak; Lasting; Metal;  
 Military) .....A  
 Waterbury Mfg. Co. (Metal)  
 AAAA  
 White Co., L. C. (Auto-  
 matic; Cloth; Carriage).C  
**ILL.—Chicago**  
 Parisian Novelty Co., 1<sup>st</sup> So.  
 Canal (Advertising) ....C  
**ILL.—Freeport**  
 Arcade Mfg. Co. (Door)....A  
 Stover Mfg. Co. (Door)....AA  
**IOWA.—Davenport**  
 Davenport Pearl Button Co.  
 (Pearl) .....B  
**MASS.—Attleboro**  
 Wilmarth & Co., W. H.  
 (Aluminum) .....B  
**MASS.—Boston**  
 Boston Button Co. (Brass;  
 Cloth; Covered; Crochet;  
 Dress; Cloak; Metal)....X  
 Mosley Button Mfg. Co.  
 (Milonite Clothing &  
 Shoe) .....A  
 New England Novelty Mfg.  
 Co. (Patent Trouser;  
 Glove) .....H  
**MASS.—Chelsea**  
 Low Tile Co. (Push).....F  
**MASS.—Leominster**  
 Earl & Co., W. D. (Horn) C  
**MASS.—New Bedford**  
 Hedge-Lewis Mfg. Co.  
 (Leather & Cloth Cov-  
 ered; Shoe) .....B  
**MASS.—North Attleboro**  
 Cheever-Tweedy Co. (Glove)  
 AAAA



**BUTTONS (Con.)****MASS.—Plainville**Plainville Stock Co. (Glove) **A****MASS.—Springfield**Dickinson Hard Rubber Co. (Rubber) ..... **C**Newell Bros. Mfg. Co. (Covered; Pearl; Vegetable Ivory) ..... **X**Rhodes & Sons Co., M. M. (Shoe) ..... **C****MASS.—Williamsburg**Hill Bros. & Co. (Tin Faced; Patent Trouser) ..... **C****MICH.—Grand Rapids**Hardware Supply Co. (Door) **X****NEBR.—Omaha**Western Electrical Co. (Push) ..... **D****N. J.—Newark**Blakeman, Chas. (Pearl) **B**Celluloid Co. (Glove; Celluloid Cuff, Collar) ..... **B**Conlan & Co., B. (Metal) **B**Feddersen & Feldmeyer (Pearl) ..... **D**Howell & Co., T. P. (Leather) ..... **A**Huebner & Sons, E. (Pearl) ..... **C**International Badge & Novelty Co. (Society, &c.) **D**Reynolds & Zahn (Metal) **B**Sommers' Son, Jno. (Ivory; Wooden; Shoe) ..... **A**Whitehead & Hoag Co. (Advertising; Ivory; Wooden; Shoe; Decorative Flag) **AAA**Williamson Wire Novelty Co., C. T. (Stair) ..... **B****N. Y.—Binghamton**Crandal, Stone & Co. (Tufting) ..... **A**Noyes & Co., J. P. (Patent Trouser; Hand Snap) ..... **B****New York City**Castle Braid Co. (Braid) **AA**City Button Wks. (Covered; Metal; Crochet) ..... **A**Deknatel, Jno. A. (Jet) ..... **B**Edwards & Co. (Push) ..... **D**Ellison & Co., A. S. (Dress; Cloak) ..... **B**Empire Ivory Button Wks. (Ivory) ..... **B**Frank & Co. (Covered; Ivory) ..... **F**French, S. A. (Military) ..... **B**Gorham Mfg. Co. (Glove) **AAAA**Gould Son & Co., M. (Stair) **A**Grote & Co., F. (Glove) ..... **D**Howards Son & Co., S. E., 21 Mercer (Pat. Trousers) **AA****Johnson & Co., E. S.**(Glove) ..... **X**Judd & Co., H. L. (Stair) **X**John Kroder & Henry Reubel Co. (Stair) ..... **B**Manhattan Elec. Supply Co. (Elec. Push) ..... **AA**Mechanical Rubber Co. (Rubber) ..... **AAAA**New York Button Wks. (Brass; Cloth; Covered; Engraved; Military) ..... **B**Ostrander & Co., W. R. (Push) ..... **A**Peck, Stow & Wilcox Co., 27 Murray (Door) **AAAA**Porter Bros. & Co., 114 Worth (Trousers; Horn; Metal) ..... **AA**Pratt & Farmer Co., 353 Bdw. (Jet; Pearl; Ivory) ..... **B**Rosenblatt, Geo. H., 229 Bdw. (Decorative Flag) **D**Russell & Erwin Mfg. Co. (Door) ..... **AAAA**Schott Bros. (Patent) ..... **D**Tiebout, W. & J. (Door) ..... **B**Tower & Lyon Co., 95 Chambers (Police) ..... **B**Union Pearl Wks. (S. L. & J. H. Lawles) (Pearl) ..... **D**Western Elec. Co. (Elec. Sash) ..... **AAAA**Yale & Towne Mfg. Co. (Push) ..... **AAAA****BUTTONS (Con.)****N. Y.—Rochester**Bradley & Co., E. C. (Push) **H****OHIO—Canton**Ney Mfg. Co. (Door) ..... **B****OHIO—Cincinnati**Pettibone Bros. Mfg. Co. (Metal) ..... **A****OHIO—Piqua**Piqua Handle & Mfg. Co. (Electric Push) ..... **A****PA.—Erie**Keystone Pearl Button Co. (Pearl) ..... **D****PA.—Philadelphia**Novelty Electric Co. (Push) **O**Patrick, Carter & Wilkins (Electric Push) ..... **B**Pearce & Feraile, 1030 18th (Dec. Flag) ..... **B****PA.—Reading**Penn Hdw. Co. (Push) **AA**Reading Hdw. Co. (Door) **AAAA****PA.—Scranton**Scranton Button Co. (Ltd.) (Covered; Ivory; Push) **A****R. I.—Providence**Tockwotton Co. (Leather Covered Carriage) ..... **F****BUTTS**

See also Hinges; also Leather

**CONN.—Beacon Falls**Bronson Co., Homer D. (Brass) ..... **C****CONN.—Bradford**New York Lock Co. (Bronze; Iron) ..... **B****CONN.—Bridgeport**Smith & Egge Mfg. Co. (Spring; Double Acting Spring) ..... **A****CONN.—New Britain**Corbin, P. & F. (Brass; Bronze) ..... **AAAA**Stanley Wks. (Ball Bearing; Bronze; Door; Loose Joint; Loose Pin; Steel; Japanned, Steel; Nickel Plated, Steel) ..... **AAA**Union Mfg. Co. (Brass; Bronze; Cast; Door) **AA****CONN.—New Haven**Sargent & Co. (Brass; Bronze; Door; Iron; Spring; Wrought Steel) **AAAA****CONN.—Southington**Peck, Stow & Wilcox Co. (Bronze; Cast; Door; Spring) ..... **AAAA****CONN.—Stamford**Yale & Towne Mfg. Co. (Door; Shutter; Bronze) **AAAA****CONN.—Terryville**Eagle Lock Co. (Brass) **AAA****CONN.—Waterbury**American Ring Co. (Brass) **A**Benedict & Burnham Mfg. Co. (Brass) ..... **AAAA**Plum & Atwood Mfg. Co. (Brass; Bronze) ..... **AAA**Scoville Mfg. Co. (Brass) **AAAA****ILL.—Chicago**Chicago Spring Butt Co. (Spring) ..... **B****ILL.—Freeport**Stover Mfg. Co. (Spring; Bronze) ..... **A****ILL.—Sterling**Lawrence Bros. (Brass; Bronze) ..... **AA**Nat'l. Mfg. Co. (Wrought Steel) ..... **D****MD.—Baltimore**Deford Co. (Oak Leather) **AAA****N. H.—Concord**Page Belting Co. (Mill) **AA****N. J.—Trenton**Williams, A. T. (Oak Leather) ..... **B****N. Y.—Brooklyn**

Rommer Bros. (Spring; 137

**BUTTS (Con.)**

Double Acting Spring)...B  
 New York City  
 Brass Goods Mfg. Co. (Door) B  
 Hungerford Brass & Copper  
 Co., U. T. (Door) .....A  
 Ladew, Edw. B. (Oak Leather)  
 .....AA  
 Neumann & Co., B. (Oak  
 Leather) .....A  
 Rees' Sons, Hans (Oak  
 Leather) .....AA  
 Russell & Erwin Mfg. Co.  
 (Brass; Door; Bronze;  
 Cast Iron) .....AAAA  
 Tiebout, W. & J., 118  
 Chambers .....B  
 U. S. Leather Co. (Oak  
 Leather) .....AAAA  
 N. Y.—Syracuse  
 Stearns & Co., E. C.  
 (Spring) .....AA  
**OHIO**—Cleveland  
 Taylor & Boggis Foundry Co.  
 (Cast Iron) .....AA  
**PA.**—Allegheny  
 McKinney Mfg. Co. (Bronze;  
 Door; Spring) .....AA  
**PA.**—Erie  
 Griffin Mfg. Co. (Wrought  
 Steel) .....A  
**PA.**—Pittsburg  
 Lapps & Sons, M. Oak  
 Leather Co. (Oak Leather) A  
**PA.**—Reading  
 Reading Hdw. Co. (Brass;  
 Bronze; Cast Iron;  
 Wrought Steel) .....AAAA  
 R. I.—Providence  
 New England Butt Co.  
 (Brass; Door; Cast; Loose  
 Joint; Loose Pin) .....A  
**VA.**—Alexandria  
 Smoot & Sons Co., C. C.  
 (Oak Leather) .....AA  
 W. VA.—Wheeling  
 Wheeling Hinge Co.  
 (Bronze; Door; Shutter;  
 Reversible; Table).....AA

**BUZZERS**

See Bells

**BY-PASSES**

New York City  
 Matchless Mfg. Co. (Incan-  
 descent Gas-Light).....D

**CABANESE**

**MO.**—St. Louis  
 Midvale Mining & Mfg. Co. X

**CABINETS**

See also Furniture

**ILL.**—Chicago  
 Amberg File & Index Co.  
 (Filing) .....A  
 Barnhart Bros. & Spindler  
 (Printers) .....AA  
 Brown & Besley (Inc.)  
 (Filing) .....O  
 Clark & Co., A. A. (Den-  
 tists; Physicians) .....A  
 Lyon Metallic Mfg. Co.  
 (Steel Letter Filing)...G  
 Martin Co., Edw. P. (Chem-  
 ical; Physical) .....O  
 Dick Co., A. B. (Filing) AA  
 Hygenic Bath Appliance Co.  
 (Bath) .....D  
 Kaufman & Spencer (Medi-  
 cine) .....F  
 Mekkelson & Co., Edw., 23  
 N. Jefferson (Towel Sup-  
 ply) .....D  
 Salter Mfg. Co., 102 N. Oak-  
 ley Av. (Towel Supply) D  
 Warren Mfg. Co., J. D. (Fil-  
 ing; Stationery; Bicycle  
 Extras; Hardware Store) B

**ILL.**—Freeport  
 Arcade Mfg. Co. (Medicine) A

**ILL.**—Kankakee  
 Sheldon Novelty Co. (Medi-  
 cine) .....A

**CABINETS (Con.)**

**ILL.**—Rockford  
 Central Furniture Co.  
 (Ladies'; Music) .....A  
 Forest City Furniture Co.  
 (Music) .....A  
**IND.**—Ft. Wayne  
 Brower & Co., S. F. (Oil;  
 Self Measuring Oil; Var-  
 nish) .....A  
**IND.**—Indianapolis  
 Allison Co., W. D. (Physi-  
 cians' Display) .....B  
 Armstrong & Co., W. H.  
 (Physicians') .....B  
 Clark & Roberts (Physi-  
 cians') .....B  
 Perfection Chair Co.  
 (Physicians') .....D  
 Tucker-Dorsey Mfg. Co.  
 (Spice) .....A  
 Udell Wks. (Shoe Blacking;  
 Spice; Music; Parlor; Phy-  
 sicians') .....A  
**IND.**—Tell City  
 Tell City Desk Co. (Mantel) B  
**MD.**—Baltimore  
 Berger & Co., Fred.  
 (Smokers) .....X  
**MASS.**—Boston  
 Davenport, Albert H.  
 (Needle) .....AA  
 Golding & Co. (Printers)...B  
 Paine Furniture Co. (Music) A  
**MASS.**—Millers Falls  
 Millers Falls Co. (Tool)...AA  
**MASS.**—Springfield  
 Bradley, Milton (Micro-  
 scopical Slide) .....A  
 Springfield Moulding Wks.  
 (Hunters') .....E  
**MICH.**—Detroit  
 Farrand & Votey Organ Co.  
 (Music) .....AA  
 Shaw-Walker Co. (Card In-  
 dex) .....A  
**MICH.**—Grand Rapids  
 Chocolate Cooler Co. (Ice  
 Cream) .....O  
 Couffield Co., H. L. (Letter  
 Filing) .....X  
 G. R. Chair Co. (Music;  
 Parlor) .....AA  
 Leonard Mfg. Co. (Cata-  
 logue) .....A  
 Mills & Lacey Mfg. Co.  
 (Embalmer's) .....D  
 Oriel Cabinet Co. (Music;  
 Standing; Wall) .....AA  
**MICH.**—Ludington  
 Tubbs Mfg. Co. (Type)....B  
**MINN.**—Minneapolis  
 Minn. Furniture Co.  
 (Kitchen) .....A  
**MO.**—St. Louis  
 Scarritt-Comstock Furniture  
 Co. (Music; Parlor).....A  
 N. H.—Manchester  
 Brown & Burpee (Ophthal-  
 mic) .....E  
 N. J.—Montclair  
 Heller & Co., W. C. (Hard-  
 ware Store) .....F  
 N. Y.—Brooklyn  
 Wesel Mfg. Co., F.  
 (Printers') .....C  
 N. Y.—Herkimer  
 Horrocks Desk Co. (Type-  
 writer; Filing) .....B  
 N. Y.—Middletown  
 Morgan & Wilcox Mfg. Co.  
 (Printers') .....C  
 New York City  
 American Tool Chest Co.,  
 200 W. Houston (Tool)...C  
 American Type Founders' Co.  
 (Printers') .....AAAA  
 Butler, A. G., 101 Beekman  
 (Filing; Stationery) ..F  
 Diemer, J. F. (Filing)....D  
 Deuze & Phillips, 24 Dey  
 (Vapor Bath) .....C  
 Gordon Battery Co. (Physi-  
 cians') .....D  
 Gutta Percha & Rubber  
 Mfg. Co. (Printers')AAAA  
 Hoe & Co., R. (Printers')  
 AAAAA  
 Homan Co., Andrew (Music;  
 Parlor) .....D  
 Hospital Supply Co. (Physi-  
 cians'; Instrument)....A  
 Houchin Co., Thos. W., 48  
 Warren .....D  
 Household Sewing Machine

**CABINETS (Con.)**

Co. (Sewing Machine)...B  
 Janusch, F. G. (Bath)...C  
 Mace & Co., L. H., 111  
 Houston (Shoe Blacking) ..B  
 New York Oil Cabinet Co.  
 180 Cherry (Oil) .....A  
 Schloss & Co., E. (China;  
 Music; Parlor) .....A  
 Singer Mfg. Co. (Sewing  
 Machine) .....AAAA  
 Stokes & Co., Wm. A., 30  
 Warren (Hanging).....D  
 Tonk & Bro., Wm.  
 (Musical) .....C  
 Vogel & Co., F. (Parlor)...X  
**N. Y.—Rochester**  
 American Drafting Furni-  
 ture Co. (Drawing Room) ..E  
 National Casket Co.  
 (Casket) .....AAAA  
 Yawman & Erbe Mfg. Co.  
 (Filing) .....AA  
**N. Y.—Syracuse**  
 Brown Furniture Co., C. G.  
 (Music) .....B  
 Onondaga Novelty Co. (Tool;  
 Medical) .....E  
 Wells Mfg. Co., A. J.  
 (Filing) .....X  
**N. C.—Statesville**  
 Piedmont Furniture Co.  
 (Typewriter) .....H  
**OHIO—Akron**  
 Akron Woodworking Co.  
 (Shoe Blacking) .....A  
**OHIO—Canton**  
 Danner Mfg. Co., John  
 (Medicine) .....D  
 Berger Mfg. Co. (Steel  
 Filing) .....AA  
 Harvard Co. (Dentists';  
 Physicians') .....AA  
**OHIO—Cincinnati**  
 Ballman Cabinet Co., 530  
 Livingston (Mantel; Wall;  
 China; Music; Parlor)...C  
 Globe-Wernecke Co. (Filing)  
 AAAA  
 Kelsall Co., Thomas  
 (Physicians') .....B  
 Mitchell Furniture Co.,  
 Robt. (Ladies'; Parlor;  
 Wall) .....AAAA  
 World Mfg. Co., 505 Elm  
 (Bath) .....A  
**OHIO—Columbus**  
 Columbus Aseptic Furniture  
 Co. (Physicians') .....X  
 Holtzman & Sons, Henry  
 (Music) .....A  
 Ohio Furn. Co. (Metal) ..B  
**OHIO—Dayton**  
 Ohmer's Sons Co., M. (Cata-  
 logue; Legal Blank) ...A  
**OHIO—Toledo**  
 Cooking Cabinet Co.  
 (Cooking) .....X  
 Ransom & Randolph Co.  
 (Dentists') .....A  
 Robinson Thermal Bath Co.  
 (Vapor Bath) .....C  
 Toledo Cooker Co. (Bath) C  
**PA.—Allegheny**  
 Pittsburg Lamp Brass &  
 Glass Co. (Onyx) ..AAAA  
**PA.—Harrisburg**  
 Hickok Mfg. Co., W. O.  
 (Type) .....AA  
**PA.—Philadelphia**  
 American Specialty Mfg. Co.  
 321 N. 23d (Cheese)...E  
 Rumpf & Sons, C. F.  
 (Filing) .....AAA  
 White Dental Mfg. Co., S. S.  
 (Dentists') .....AAAA  
**PA.—Reading**  
 Natl. Brass & Iron Wks.  
 (Metal) .....A  
**R. I.—Pawtucket**  
 Bliss Mfg. Co., R. (Spool;  
 Smokers') .....AAAA  
**WIS.—Green Bay**  
 Automatic File & Index Co.  
 (Letter Filing) .....E  
**WIS.—Sheboygan**  
 Winter Lumber Co., M.  
 (Music) .....B  
**WIS.—Two Rivers**  
 Hamilton Mfg. Co.  
 (Printers') .....AA

**CABLES**

**CONN.—Ansonia**  
 Ansonia Brass & Copper Co.  
 (Electric) .....AAAA  
**CONN.—Southport**  
 Jelliff Mfg. Co., C. O. (Elec-  
 tric Light; Power) ....C  
**CONN.—Waterbury**  
 Holmes, Booth & Haydens  
 Co. (Electric) .....AAAA  
**ILL.—Chicago**  
 American Steel & Wire Co.,  
 The Rookery (Lead Cov-  
 ered; Submarine; Suspend-  
 ion Bridge) .....AAAA  
 Western Electric Co. (Sub-  
 marine; Electric; Holst-  
 ing) .....AAAA  
**IND.—Jonesboro**  
 Indiana Rubber & Insulated  
 Wire Co. (Lead Covered;  
 Rubber Covered; Subma-  
 rine) .....AA  
**MASS.—Boston**  
 Durable Wire Rope Co.  
 (Elevator; Wire) .....B  
 Eastern Electric Cable Co.,  
 61 Hampshire (Subma-  
 rine) .....A  
 Simplex Electrical Co., 110  
 State (Lead Covered; Sub-  
 marine; Weatherproof;  
 Underground; Electric) A  
**CONN.—New Bedford**  
 New Bedford Cordage Co.  
 (Oil Well) .....X  
**MO.—St. Louis**  
 Broderick & Bascom Rope  
 Co. (Wire) .....AA  
 Leschen & Sons Rope Co., A  
 (Steel Wire; Holsting)...AAA  
**N. J.—Passaic**  
 Okonite Co. (Insulating  
 Electric) .....A  
**N. J.—Trenton**  
 Crescent Insulated Wire &  
 Cable Co. (Lead Covered;  
 Submarine; Weatherproof)  
 A  
 Roeblings' Sons Co., Jno.  
 A. (Lead Covered, Subma-  
 rine; Suspension Bridge;  
 Weatherproof; Insulated,  
 Steel Wire; Steel Rail-  
 way) .....AAAA  
 Trenton Iron Co. (Steel  
 Wire) .....AA  
**New York City**  
 Bishop Gutta Percha Co.,  
 422 E. 25th (Lead Cov-  
 ered; Rubber Covered;  
 Submarine; Electric)...B  
 Brixey, Wm. R., 203 Bway.  
 (Lead Covered; Subma-  
 rine) .....B  
 Bunnell & Co., J. H., 20  
 Park Pl. (Electric) ....B  
 Dewitt Wire Cloth Co.  
 (Wire) .....A  
 India Rubber & Gutta Per-  
 cha Insulating Co., 15  
 Cortlandt (Lead Covered;  
 Rubber Covered; Subma-  
 rine) .....B  
 Natl. Conduit & Cable Co.  
 41 Park Row (Lead Cov-  
 ered; Submarine)...AAAA  
 New York Insulated Wire  
 Co., 114 Liberty (Lead  
 Covered; Insulated; Elec-  
 tric) .....A  
 Okonite Co., 253 Bway.  
 (Lead Covered; Subma-  
 rine; Underground; Wea-  
 therproof) .....A  
 Safety Insulated Wire &  
 Cable Co., 114 Liberty  
 (Lead Covered; Subma-  
 rine; Electric) .....AA  
**OHIO—Columbus**  
 International Fence & Fire-  
 proofing Co. (Concrete  
 Reinforcing) .....A  
**OHIO—Marion**  
 Marion Steam Shovel Co.  
 (Holsting) .....AAA  
**OHIO—Xenia**  
 Kelly Co., R. A. (Oil Well)  
 A  
**PA.—Philadelphia**  
 Moore, Alfred F., 202 N.  
 3rd (Lead Covered; Rub-  
 ber Covered; Submarine;

**CABLES (Con.)**

Weatherproof; Electric) AAAAA  
 Tatham & Bros., 223 S.  
 5th (Lead Covered) .AAA  
**PA.—Pittsburg**  
 Pittsburg Electrical & Ma-  
 chine Wks. (Electric) .E  
 Standard Underground Cable  
 Co., Westinghouse Bldg.  
 (Lead Covered; Rubber  
 Covered; Submarine; Wea-  
 therproof; Electric) .AAA  
**PA.—Reading**  
 Jackson & Son, Thos. (Oil  
 Well) .....AA  
**PA.—Wilkesbarre**  
 Hazard Mfg. Co. (Lead Cover-  
 ed; Steel Wire; Wire;  
 Electric; Street Railway)  
 AAA  
**R. I.—Providence**  
 American Electrical Wks.  
 (Lead Covered; Subma-  
 rine; Rubber Covered;  
 Weatherproof; Electric;  
 Telephone; Wire) .AAAA  
 National India Rubber Co.  
 (Rubber) .....AAAA

**CABLEWAYS**

**ILL.—Chicago**  
 Allis-Chalmers Co., Home  
 Insurance Bldg. (Suspend-  
 ion) .....AAAA  
**MO.—St. Louis**  
 Broderick & Bascom Rope  
 Co. (Suspension) .....AA  
**N. J.—Newark**  
 Lambert Hoisting Engine  
 Co. (Logging) .....A  
 New York City  
 Lidgerwood Mfg. Co., 96  
 Liberty (Mining) .AAA  
 Trenton Iron Wks. 17 Bur-  
 ling Slip .....A  
**PA.—Bangor**  
 Flory Mfg. Co., S. (Logging;  
 Sewer) .....A

**CABS**

See Carriages & Wagons

**CABS, ELEVA-  
TOR**

**MICH.—Detroit**  
 Bolles Iron & Wire Wks..  
 J. E., 4th & Porter.....X  
 Ingles Wire & Iron Wks..  
 Wm., 61 E. Woodbridge.O  
**N. Y.—Buffalo**  
 Nagel & Co., G. 656 Mich..E  
**N. Y.—Syracuse**  
 Syracuse Wire Works  
 (Hulse & Son) .....D  
**OHIO—Columbus**  
 Columbus Wire & Iron Wks.  
 D  
**OREGON—Portland**  
 Portland Wire & Iron Wks.  
 (C. W. Post) .....D

**CACHETS**

New York City  
 Fongera & Co., E. 30 N.  
 William .....A

**CACHOUS**

**ILL.—Chicago**  
 Searle & Hereth Co.  
 (Breath) .....A  
**MASS.—Cambridge**  
 Thayer & Co., Henry .....A

**CADDIES**

**ILL.—Chicago**  
 Norton Bros. (Inc.) (Tin)  
 AAA  
**MO.—St. Louis**  
 Pepmuller, H. (Tea) .....D  
**N. Y.—Buffalo**  
 Shepard & Co., Sidney (Tin)  
 AAAA  
 New York City  
 New York Stamping Co.  
 (Tin; Tea; Coffee) ...A

**CADGERS**

**PA.—Pittsburg**

**CADGERS (Con.)**

Gem Mfg. Co. (Miners'  
 Steel) .....D

**CADMIUM**

**N. Y.—Brooklyn**  
 Wiarda & Co., Jno. C.  
 (Sulphide) .....AA

**CAFFEINE**

**MO.—St. Louis**  
 Mallinckrodt Chemical Wks.  
 AAAAA  
 Monsanto Chemical Wks. .D  
 New York City  
 Boehringer & Sons, C. F..A  
 New York Quinine & Chem.  
 Wks. ....A  
 Roessler & Hasslacher  
 Chem. Co. 100 William AA  
**PA.—Ambler**  
 Keasby & Matteson Co.  
 AAAAA

**CAGES**

**CAL.—San Francisco**  
 Union Iron Wks. (Mining)  
 AAAAA  
**COLO.—Denver**  
 Davis Iron Wks., F. M.  
 (Mining) .....A  
 Hendrie & Bolthoff Mfg. &  
 Supply Co. (Mining) AAA  
 Mine & Smelter Supply Co.  
 (Mining) .....AAA  
**CONN.—New Haven**  
 Hendryx Co., Andrew B.  
 (Bird; Squirrel; Parrot)  
 A  
**ILL.—Chicago**  
 Allis-Chalmers Co., Home  
 Ins. Bldg. (Mining)AAAA  
 Barbee Wire & Iron Wks.  
 (Jail) .....B  
 Doolan Mfg. Co., 16 Larra-  
 bee (Bird) .....D  
**ILL.—Litchfield**  
 Litchfield Fdry. & Machine  
 Co. (Mining; Safety)...A  
**ILL.—Peoria**  
 Lucas & Sons, A. (Mining) O  
**IND.—Terre Haute**  
 Eagle Iron Wks. (Mining)  
 B

**IOWA—Ottumwa**  
 Ottumwa Iron Wks. (Min-  
 ing; Safety) .....AA  
**MICH.—Adrian**  
 Page Woven Wire Fence Co.  
 (Bear; Monkey; Bird) AA  
**MICH.—Bay City**  
 Marine Iron Co. (Mining)..O  
**MICH.—Detroit**  
 Buhl Stamping Co. (Bird).A  
**MICH.—Saginaw**  
 Bartlett & Co., A. F.  
 (Mining) .....A

**MO.—St. Louis**  
 Ellison & Sons Mfg. Co.,  
 Wm., 1018 N. 6th (Min-  
 ing) .....B  
**N. J.—Garwood**  
 Beckley Co., A. J. (Jail).D  
**N. Y.—Buffalo**  
 Heinz & Munschauer (Bird)  
 A

Jewet Mfg. Co., Jno. C.  
 (Parrot; Squirrel) .....AA  
 Pierce Co., Geo. N. (Par-  
 rot; Squirrel) .....AA  
**N. Y.—Fultonville**  
 Empire Cooping Co. (Cat;  
 Pigeon; Poultry) .....F  
 New York City  
 Cabbie Excelsior Mfg. Co.,  
 A. M., 43 Fulton .....B  
 Lidgerwood Mfg. Co.  
 (Safety) .....AAA  
 Lindemann & Co., O. 35  
 Wooster (Bird; Squirrel)  
 B

Maxwell, Jno. (Bird; Par-  
 rot; Squirrel) .....D  
**OHIO—Akron**  
 Webster Camp & Lane  
 Machine Co. (Mining)...A  
**OHIO—Cleveland**  
 Van Dorn Iron Wks. Co.  
 (Station House) .....AA  
**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred. J.  
 (Bird; Squirrel; Wooden)  
 AA

**OHIO—Nelsonville**  
 Nelsonville Fdry. & Mach-

**CAGES (Con.)**  
 ine Co. (Mining) .....B  
**OHIO—Zanesville**  
 Griffith & Wedge Co.  
 (Mining; Safety) .....A  
**PA.—Connellsville**  
 Connellsville Machine &  
 Car Co. (Mining) .....A  
**PA.—Ellwood City**  
 Glen Mfg. Co. (Tellers;  
 Bird; Animal) .....D  
**PA.—Monongahela**  
 Monongahela Mfg. Co. (Min-  
 ing; Self Dumping; Steel  
 Hoisting) .....A  
**PA.—Osceola Mills**  
 Stein & Sons, S. B. (Mining)  
 B  
**PA.—Philadelphia**  
 Darby & Sons, Edw. (Bird)  
**PA.—Scottsdale**  
 Kenney & Co. (Mining;  
 Safety) .....A  
**PA.—Wilkesbarre**  
 Vulcan Iron Wks. (Mining;  
 Safety) .....AAAA  
**WASH.—Spokane**  
 Union Iron Wks. (Mining) A

## CAISSONS

**MD.—Baltimore**  
 Ellicott Machine Co., Canton  
 (Sheet Iron) .....C  
**N. J.—Paterson**  
 East Jersey Pipe Co. (Sheet  
 Iron) .....B  
**OHIO—Youngstown**  
 Pollock Co., Wm. B. (Sheet  
 Iron) .....B  
**PA.—Pittsburg**  
 Carroll-Porter Boiler &  
 Tank Co. (Bridge; Sheet  
 Iron) .....B  
 Ritter-Conley Mfg. Co., 56  
 Water (Bridge; Mine;  
 Steel) .....AA  
 Scaife & Sons Co., Wm. B.,  
 221 First Av. (Bridge).A

## CAKE

**CONN.—Unicville**  
 Broadbent & Son, J. (Cotton  
 Seed) .....B  
**GA.—Elberton**  
 Elberton Oil Mills (Cotton  
 Seed) .....A  
**ILL.—Chicago**  
 Fairbank & Co., N. K. (Cot-  
 ton Seed) .....AAAA  
**MISS.—Port Gibson**  
 Port Gibson Oil Works  
 (Cotton Seed) .....A  
**N. Y.—Buffalo**  
 Mann Bros. & Co. (Lin-  
 seed) .....A  
**New York City**  
 American Cotton Oil Co., 27  
 Beaver (Cotton Seed)  
 AAAA  
**R. I.—Providence**  
 Union Oil Co. (Cotton Seed)  
 AAA  
**TENN.—Memphis**  
 Southern Cotton Oil Co.  
 (Cotton Seed) .....AAAA  
 Valley Oil Mills (Cotton  
 Seed) .....A  
**TEXAS—Belton**  
 Belton Oil Co. (Cotton Seed)  
 D  
**TEXAS—Taylor**  
 Taylor Cotton Oil Wks.  
 (Cotton Seed) .....B

## CAKES

See also Bakers

**N. J.—Newark**  
 Spratts Patent (American)  
 Ltd. (Dog) .....B

## CALCITE

**PA.—York**  
 York Chemical Works. .A

## CALCIUM

**ILL.—Chicago**  
 Rhodes & Co., Jas. H., 117  
 Kinzie (Chloride) .....B  
 Stevenson & Co., Robt.  
 (Chloride) .....F

## CALCIUM (Con.)

**MD.—Baltimore**  
 Thomsen Chemical Co., Race  
 & Winder (Acid Phos-  
 phate) .....B  
**MO.—St. Louis**  
 Provident Chemical Wks.  
 (Acid Phosphate) ....AA  
**New York City**  
 Calcium Carbide Export Co.  
 35 Nassau (Carbide)...X  
 Roessler & Hasslacher Chem-  
 ical Co. (Chloride) ....AA  
 Sholes Co., C. E. (Chloride)  
 X  
 Union Carbide Co., 45 Bway.  
 (Carbide) .....A  
 Wing & Evans (Ohloride)  
 AAA  
**OHIO—Pomeroy**  
 Acme Calcium Works  
 (Chloride) .....X  
 Eureka Calcium Wks.  
 (Chloride) .....X  
 Koehlers Excelsior Salt Wks.  
 (Chlorate) .....B  
**PA.—Carbondale**  
 Carbondale Chemical Co.  
 (Chloride) .....E  
**W. VA.—Malden**  
 Dickinson & Co., Jno. Q.  
 (Chloride) .....AA

## CALCULA- TORS

**R. I.—Providence**  
 Brown & Sharpe Mfg. Co.  
 (Gear) .....AAAA

## CALDRONS

See also Kettles

**ILL.—Batavia**  
 Sperry & Co., D. R.  
 (Farmers') .....B  
**ILL.—Chicago**  
 Kaestner & Co. ....A  
**MASS.—Worcester**  
 Wheeler Foundry Co.  
 (Farmers') .....D  
**N. J.—Burlington**  
 Stewart & Peterson Co.  
 (Farmers') .....A  
**N. J.—Jersey City**  
 Gibson Iron Wks. Co.  
 (Plain; Steam Jacketed)  
 X  
**N. Y.—Buffalo**  
 Doop Co., H. W. ....D  
**N. Y.—Munnsville**  
 Munnsville Plow Co.  
 (Farmers') .....B  
**New York City**  
 Mott Iron Wks., J. L.  
 (Butchers') .....AA  
**N. Y.—Utica**  
 International Heater Co.  
 (Farmers') .....AAA  
**PA.—Reading**  
 Mt. Penn. Stove Wks.  
 (Farmers') .....A

## CALENDERS

**CONN.—Ansonia**  
 Farrel Foundry & Machine  
 Co. (Linoleum) .....AAAA  
**CONN.—Derby**  
 Birmingham Iron Foundry  
 (Friction; Platers').....A  
**CONN.—So. Windham**  
 Smith & Winchester Co.  
 (Breaker; Platers') ...A  
**DEL.—Wilmington**  
 Lobdell Car Wheel Co. ...  
 AAAA  
**ILL.—Chicago**  
 Sewell-Clapp Mfg. Co. ...C  
**MASS.—Boston**  
 Carter's Ink Co. ....A  
 Lowell & Co., John A. ...D  
**MASS.—Florence**  
 Norwood Engineering Co.  
 (Breaker; Friction; Plat-  
 ers' Sheet; Web) .....B  
**MASS.—Holyoke**  
 Holyoke Machine Co.  
 (Breaker; Friction; Plat-  
 ers' Sheet; Web) ....AA  
**N. Y.—Buffalo**  
 Gies & Co. ....AAA  
**N. Y.—Fulton**  
 Dilts Machine Works

**CALENDERS (Con.)**

(Doctors') .....B  
 New York City  
 Judd & Co. ....AA  
 Witteman Bros. ....A  
 PA.—Philadelphia  
 Butterworth & Son Co., H.  
 W. (Embossing) .....A  
 Fairmount Machinery Co.  
 (Embossing; Friction) ..A  
 Moore & White Co., 15th &  
 Lehigh Av. ....AA  
 VA.—Glen Allen  
 Cussons, May & Co. ....B

**CALFSKIN**

See Leather

**CALICOS**

See Cotton Goods

**CALIPERS**

CONN.—Hartford  
 Billings & Spencer Co.  
 (Beam) .....A  
 Pratt & Whitney Co. ....AAAA  
 CONN.—Southington  
 Peck, Stow & Wilcox Co.  
 ....AAAA

MASS.—Athol  
 Athol Machine Co. (Microm-  
 eter; Spring) .....B  
 Standard Tool Co. (Firm  
 Point; Micrometer;  
 Spring) .....X  
 Starrett Co., L. S. (Mi-  
 crometer) .....A

MASS.—Boston  
 Dame, Stoddard & Co. ....A  
 MASS.—Chicopee Falls  
 Stevens Arm & Tool Co., J.  
 ....AAA

MASS.—Fitchburg  
 Sawyer Tool Mfg. Co.  
 (Beam) .....A  
 MASS.—No. Easton  
 New England Specialty Co.  
 ....D

MASS.—Springfield  
 Bemis & Call Hardware &  
 Tool Co. ....A  
 Springfield Machine Screw  
 Co. ....B

MICH.—Saginaw  
 Lufkin Rule Co. (Log) ..AA  
 H. H.—Keene  
 Humphrey Machine Co.  
 (Log) .....C

N. J.—Newark  
 Johnson, Wm. ....B  
 Krauter Co. (Micrometer;  
 Register) .....E  
 N. J.—Smithville  
 Smith Machine Co., H. B. A  
 New York City  
 Keuffel & Esser Co., 127  
 Fulton (Log) .....AA  
 Tower & Lyon .....B

OHIO—Cleveland  
 Warner & Swasey (Microm-  
 eter) .....A

R. I.—Providence  
 Brown & Sharpe Mfg. Co.  
 (Micrometer; Precision;  
 Gear Tooth; Vernier) ....AAAA

Slocumb & Co., J. T.  
 (Micrometer) .....E

**CALKS**

CONN.—Hartford  
 Rowe Patent Square Shoul-  
 der Shoe Calk Co. (Horse  
 Shoe) .....F

MAINE—Cornville  
 Palmer, Jas. S. (Toe) ....F

MASS.—Boston  
 Burke, P. F. Heel; Toe) ..C  
 Franklin Steel Wks. (Toe)  
 ....C

Neverslip Horseshoe Co.  
 (Removable Horseshoe) ..D

MICH.—Saginaw  
 Lufkin Rule Co. (Lumber-  
 men's Boot) .....AA

N. J.—Newark  
 Sacks Iron Foundry, Louis  
 (Boot) .....A

New York City  
 Livingston Nail Co. (Heel;  
 Toe) .....B

**CALKS (Con.)**

OHIO—Elyria  
 Western Automatic Mach.  
 Screw Co. (Removable  
 Horseshoe) .....AA  
 PA.—Scranton  
 Williams Drop Forging Co.  
 (Horseshoe) .....D  
 R. I.—Providence  
 Rhode Island Perkins Horse-  
 shoe Co. (Heel; Toe) ....AAAA  
 WIS.—Eau Claire  
 Cutler, A. A. (Boot) .....A

**CALLS & CALLERS**

N.—Waterbury  
 Waterbury Brass Co. (Dog)  
 ....AAAA

ILL.—Monmouth  
 Allen, F. A. (Duck) .....F  
 New York City  
 Amer. Watchman's Time  
 Detector Co., 234 B'way  
 (Electric) .....X

**CALOMEL**

MO.—St. Louis  
 Mallinckrodt Chemical Co.  
 ....AAAA  
 New York City  
 Pfizer & Co., Chas. ....AAAA  
 PA.—Philadelphia  
 Powers - Weightman - Ros-  
 engarten Co. ....AAAA

**CALORI-  
METERS**

New York City  
 Elmer & Amend, 211 Third  
 Av. ....AA  
 PA.—Pittsburg  
 Scientific Materials Co. ....D

**CAMBRICS**

See Cotton Goods

**CAMEOS**

See Jewelry

**CAMERAS**

CONN.—Waterbury  
 Scovill Mfg. Co. ....AAAA  
 ILL.—Chicago  
 Adams & Westlake Co. ....AAAA

Anderson, Jonas A. ....D  
 Anthony & Scovill Co., 122  
 5th Av. ....D  
 Folmer & Schwing Mfg. Co.  
 ....B

Gennert, G. (Detective) ...B  
 Ingersoll & Bro., Robt. H.,  
 51 Maiden Lane .....A  
 N. Y.—Rochester

Eastman Kodak Co. (Detective;  
 Photo) .....AAAA  
 Gundlach Optical Co.  
 (Photo) .....A

Rochester Optical Co. ....A  
 PA.—Philadelphia  
 Buchanan, W. P., 1226 Arch  
 ....C

WIS.—Burlington  
 Mutiscope & Film Co.  
 (Panoramic) .....D

**CAMPBOR**

CONN.—Glenbrook  
 Phillips Chemical Co., Chas.  
 H. (Refined) .....B

MASS.—Boston  
 American Camphor Co.  
 (Refined) .....D

MO.—St. Louis  
 Mallinckrodt Chemical Wks.  
 (Refined) .....AAAA

N. Y.—Brooklyn  
 Cresol Chemical Co., 377 5th  
 Av. (Chemical; Lavender;  
 Oriental Rice; Refined;  
 etc.) .....D

New York City  
 Baker & Bros., H. J., 100  
 William (Refined) ....AA

**CAMPBOR (Con.)**

Johnson & Johnson (Refined) .....AAAA  
 Jones Chemical Wks., E. F. (Refined) .....B  
 Pfizer & Co., Chas. (Refined) .....AAAA  
 Schieffelin & Co., W. H. (Refined) .....AA  
**PA.**—Philadelphia  
 Barrett Mfg. Co. ....AAAA  
 Powers - Weightman - Rosengarten Co. (Refined) ...AAAA  
 Simes & Son, W. F. (Refined) .....A

**CAMS**

**IND.**—Montpelier  
 National Steel Castings Co. ....B  
**MASS.**—Boston  
 Boston Gear Wks., Pearl & Purchase (Machinery) ...B  
**N. Y.**—Brooklyn  
 Chrome Steel Wks., Kent Av. & Keap .....AAA  
**OHIO**—Cleveland  
 Dryson & Sons, Jos. ....A  
**PA.**—Chester  
 Chester Steel Castings Co. ...AAA  
**PA.**—Pittsburg  
 Reliance Steel Casting Co. ....X

**CANDELABRA**

**CONN.**—Meriden  
 Bradley & Hubbard Mfg. Co. (Brass; Bronze) .....AAAA  
 Foster, Merriam & Co. (Brass) .....A  
 Meriden Britannia Co. (Brass) .....AAAA  
**CONN.**—Winsted  
 Goodwin & Klutz Co. ....D  
**ILL.**—Chicago  
 Royal Metal Mfg. Co., W. Washing'n (Undertakers') .....O  
**MASS.**—Boston  
 Goodnow & Jenks, Stanhope St. ....O  
**N. Y.**—Brooklyn  
 Goodnow & Jenks, Stanhope St. ....C  
**N. Y.**—East Syracuse  
 Benedict Mfg. Co., M. S. ...AA  
**New York City**  
 Cassidy & Son Mfg. Co. (Bronze) .....A  
 Gleason Mfg. Co. (Iron) ...A  
 Gotham Mfg. Co., Broadway & 19th .....AAAA  
 International Silver Co. ....AAAA  
 Judd & Co., H. L. (Brass) ...AA  
 Lamb, J. & R. (Brass; Bronze; Iron) .....D  
 Westervelt, A. B. & W. T. (Iron) .....B  
 Nesbet Co., D. M., 116 Nassau .....A  
**N. Y.**—Schenectady  
 General Electric Co. (Bronze; Iron) .....AAAA  
**PA.**—Lancaster  
 Hubley Mfg. Co. ....A  
**PA.**—Philadelphia  
 North Bros. Mfg. Co. ....AA  
**W. VA.**—Moundsville  
 Fostoria Glass Co. (Glass) ....AAA

**CANDLES**

**CAL.**—San Francisco  
 Mission Soap & Candle Wks., 16 1st .....B  
 San Francisco Candle Co., 402 Front (Stearic; Adamantine) .....A  
 Standard Soap Co., 118 Sacramento .....AA  
**ILL.**—Chicago  
 Schneider & Co., E., 19 Wash Av. ....AA  
 Swain Lubricator, 250 Lake (Lubricating) .....B  
**MD.**—Baltimore  
 Hoeffner & Sons, A. (Br. Buffalo, N. Y.) .....AA  
**MASS.**—Boston

**CANDLES (Con.)**

Coburn & Co., H. B., 69 Broad .....C  
 Gregory & Co., F. W., 162 High .....O  
 Macomber & Co., H. S., 150 Milk .....D  
 Wood & Co., W. A., 371 Atlantic Av. ....B  
**MASS.**—Braintree  
 Dow Portable Electric Co. (Electric) .....C  
**MASS.**—New Bedford  
 Robinson & Co., W. A. (Spermaceti) .....B  
**MO.**—St. Louis  
 Goodwin Mfg. Co., 3382 Chouteau Av. (Glycerine) ...AA  
 Merkle Wax & Candle Co., 10 N. 4th .....A  
 Schaeffer Bros. & Powell Mfg. Co., 325 N. 2nd ...B  
**N. J.**—Camden  
 Baxter's Sons, J. ....O  
**N. J.**—Jersey City  
 Gross & Co., A., Provost & 1st .....AA  
**N. Y.**—Buffalo  
 Gowans & Sons, 213 Chicago AA  
 Hoeffner Sons, A., 170 Van Rensselaer .....AA  
**New York City**  
 Boyd, James (Tallow) ...B  
 Century Stearic Acid Candle Wks., 380 South .....E  
 Electric Contract Co., 202 Centre (Electric) .....E  
 Gross & Co., A., 75 Murray .....AA  
 Hammerschlag Mfg. Co., 234 Greenwich .....A  
 Howard Electric Novelty Co., 227 Canal (Electric) ...E  
 Mitchell, R. G., 141 Water .....AA  
 Reichend & Sons, Geo., 539 W. 43rd .....C  
 Seabury & Johnson (Sulphur) .....AA  
 Smith & Nichols, 143 Front B  
 Standard Oil Co., 26 B'way .....AAAA  
 Tardie, Emile J., 221 6th Av. (Electric) .....G  
 Will & Baumer Co., 18 Murray .....AAA  
**N. Y.**—Syracuse  
 Cathedral Candle Co. (Paraffin; Stearic; Wax) ...D  
 Finn's Sons, H. ....B  
 Mack, Miller Candle Co. (Wax) .....C  
 Marty & Co., F. (Wax; Paraffine) .....F  
 Syracuse Candle Co. ....E  
 Will & Baumer Co. (Beeswax; Christmas; Church; Paraffine; Stearic; Wax) ...AAA  
**OHIO**—Cincinnati  
 Emery Candle Co., 111 E. 4th (Adamantine; Stearic; Wax) .....AAA  
 Harkness & Cowing Co., 513 Eggleston Av. (Wax) ...A  
 Proctor & Gamble Co., United Bk. Bldg. (Stearic) .....AAAA  
 Themann, Anton, 113 W. Canal .....B  
 Werk Co., M., 411 Poplar (Adamantine; Stearic Acid) .....AA  
**OHIO**—Columbus  
 Janitor & Sons, Geo. ....B  
 Ross, Thos. ....C  
**PA.**—Allegheny City  
 Walker, W. & H. ....AAAA  
**PA.**—Pittsburg  
 Walker, W. & H. (Church) ...AAAA

**CANDLE-STICKS**

**CAL.**—San Francisco  
 Doble Co., Abner (Miners') A  
**COLO.**—Denver  
 Hendrie & Bolthoff Mfg. &

**CANDLESTICKS (Con.)**

Supply Co. (Miners')..AA  
**CONN.—Bridgeport**  
 Bridgeport Brass Co. (Brass;  
 Spring) .....AA  
 Jennings Bros. Mfg. Co. .AA  
**CONN.—Meriden**  
 Bradley & Hubbard Mfg.  
 Co. (Brass; Bronze)AAAA  
 Manning, Bowman & Co.  
 (Brass; Bronze) .....AA  
 Meriden Britannia Co.  
 (Plated) .....AAAA  
 Miller & Co., Edward  
 (Brass) .....AAAA  
**CONN.—New Britain**  
 Landers, Frary & Clark  
 (Brass) .....AAA  
**CONN.—New Haven**  
 Elm City Brass Co., 80 Au-  
 dubon (Colonial) .....E  
 Rostrand Mfg. Co. ....D  
**MASS.—Chelsea**  
 Low Tile Co. (Enamelled)F  
**MASS.—Gardner**  
 Smith, Frank W. ....X  
**MO.—St. Louis**  
 Ludlow-Saylor Wire Co.  
 (Miners') .....A  
 St. Louis Stamping Co.  
 (Enamelled; Safety) ....AAAA

**N. J.—Newark**  
 Sommer's Son, John (Brew-  
 ers') .....A  
**N. J.—New Brunswick**  
 N. J. Lamp & Bronze Wks.  
 (Bronze) .....AA  
**N. Y.—Brooklyn**  
 Hecla Iron Wks. (Iron).AA  
 N. Y. Stamping Co. ....A  
**N. Y.—Buffalo**  
 Shepard & Co., Sidney  
 (Tin) .....AAA  
**N. Y.—East Syracuse**  
 Benedict Mfg. Co., M: S.AA  
 New York City  
 Gorham Mfg. Co. of N. Y.,  
 B'way & 19th ....AAAA  
 Jackson Co., Wm. H., 29 E.  
 17th (Colonial) .....A  
 Lalance & Grosjean Mfg. Co.  
 (Enamelled) .....AAAA  
 Lamb, J. & R. (Brass;  
 Bronze) .....D  
 Manhattan Brass Co.  
 (Brass) .....AA  
 Peck, Stow & Wilcox Co.,  
 27 Murray .....AAAA  
 Russell & Erwin Mfg. Co.,  
 43 Chambers .....AAAA  
 Tower & Lyon Co., 95 Cham-  
 bers (Miners') .....B  
**N. Y.—Troy**  
 Troy Stamping Co. (Tin)..AAAA

**OHIO—Cleveland**  
 Cleveland Lock Co., Wason  
 & Hamilton (Miners')...D  
**PA.—Philadelphia**  
 Gillinder & Son (Glass)..A  
 Hall & Carpenter, 518 Race  
 AA  
 North Bros. Mfg. Co. (Tin)▲  
**PA.—Pittsburg**  
 McKee & Co., S. (Glass)..D  
 Pittsburg Lamp & Brass Co.  
 (Brass) .....AAA  
**PA.—Reading**  
 National Brass & Iron  
 Wks. (Brass) .....A  
**W. VA.—Wellsburg**  
 Riverside Glass Wks.  
 (Glass) .....C

**CANDY**

See Confectionery

**CANE**

**MASS.—Gardner**  
 Heywood Bros. & Wake-  
 field Co. (Chair) ..AAAA  
**MASS.—West Gardner**  
 Conant, Ball & Co. (Chair)B  
**N. Y.—Brooklyn**  
 Amer. Rattan & Reed Mfg.  
 Co., 18 Guernsey (Chair) A  
**New York City**  
 Gordau, Otto (Chair) ....B

**CANES**

**ILL.—Chicago**  
 Hirsch & Bro. ....A  
**MICH.—Detroit**  
 Lingermau & Co., Casper..G  
 New York City  
 Demuth & Co., Wm. ....AAA  
 Fradley & Co., J. F.....E  
 Friedman & Co., M.....D  
 Kaldenberg Importing &  
 Trading Co. ....D  
 Locklin & Sons, P. H.....G  
 Rest-Fenner-Smith Co., 37  
 Downing (Walking)....C  
 Winkley & Son, L. ....C  
**OHIO—Cincinnati**  
 Kuhn, E. C. ....A  
**PA.—Lancaster**  
 Lancaster Silver Plate Co.C  
 Rose Bros. & Co. ....A  
**PA.—Philadelphia**  
 Harvey & Watts Co.  
 (Walking) .....A  
 Moxey, Howlett & Co., 915  
 Filbert (Walking) ....C

**CANISTERS**

**CONN.—Meriden**  
 Meriden Britannia Co. (Tea;  
 Coffee) .....AAAA  
**N. Y.—Brooklyn**  
 New York Stamping Co...A  
**N. Y.—Buffalo**  
 Shepard & Co., Sidney (Tea;  
 Coffee) .....AAAA  
 New York City  
 Morgan & Cornell, 211 Duane  
 (Tea; Coffee; Grocers')..X  
**PA.—Easton**  
 Canister Mfg. Co. (For Dry  
 Food Products) .....A  
**PA.—North East**  
 Fernald Mfg. Co. (Tea;  
 Coffee) .....D

**CANNED  
GOODS****EXPLANATION OF NUM-  
BERS FOLLOWING NAMES  
OF CANNED GOODS  
PACKERS**

- (1) Apples
- (2) Tomatoes
- (3) Beans
- (4) Vegetables
- (5) Corn
- (6) Fruit
- (7) Peaches
- (8) Pumpkin
- (9) Peas
- (10) Lobsters
- (11) Oysters
- (12) Salmon
- (13) Shrimp
- (14) Shell Fish
- (15) Sardines
- (16) Squash
- (17) Asparagus
- (18) Berries
- (19) Crabs
- (20) Fish
- (21) Pears
- (22) Plum Pudding
- (23) Meats
- (24) Figs
- (25) Succotash
- (26) Sauerkraut

**ALA.—Bayou La Batre**  
 Bayou La Batre Pack. Co.  
 (11-20-13-4) .....C  
**CAL.—Anaheim**  
 Orange County Preserving  
 Co. ....B  
**CAL.—Benicia**  
 Carquinez Pack. Co. (6-12)A  
**CAL.—Black Diamond**  
 Sacramento River Packers'  
 Assn. (12) .....C  
**CAL.—Bouldin Island**  
 Hickmott Asparagus Can-  
 ning Co. (Br. San Fran.)A  
**CAL.—Campbell**  
 Ainsley Pack'g Co., J. C.  
 (2-7) .....B  
**CAL.—Fresno**  
 Guggenhime & Co. (Br. San  
 Fran.) .....A



CANNED GOODS (Con.)		CANNED GOODS (Con.)	
CAL.—Geyersville		iforula (Brokers) .....	O
Walden & Co. ....	A	Red Salmon Canning Co. 32	
CAL.—Gridley		California (12) .....	A
Bendel, Nelson Co. (4-6) ..	B	Sacramento River Pack.	
CAL.—Haywards		Assn., 122 Davis (12) ..	A
Hunt Bros. & Co. (Br. San		Wieland Bros., 121 Clay	
Frans.) .....	O	(20) .....	A
CAL.—Los Angeles		CAL.—San José	
Armsby Co., J. K. (Bkrs.)	A	California Fruit Cannery	
California Fruit Cannery		Assn. ....	AAAA
Ass'n .....	AAAA	Costa Orchard Canning Co.,	
Maier Packing Co. ....	AA	L. D. (1-2-3-4-7-8-9-17-21)	
Pioneer Green Chili Pack'g			A
Co., 348 S. Alameda		Flickinger Co., J. H. ....	AA
(Peppers) .....	A	Frank & Co., Geo. ....	O
CAL.—Los Gatos		Golden Gate Pack. Co. (6)	
Los Gatos Canneries (G. H.			AA
Hooke, Prop.) (6) ....	B	Griffin & Skelley Co. (Br.	
CAL.—Marysville		San Fran.) .....	A
Marysville Cannery .....	C	Orchard Canning Co. (L.	
CAL.—Napa		D. Costa) .....	A
California Canned Gds. Co.		CAL.—Santa Ana	
(6) .....	O	Guggenbime & Co. (Br. San	
Fisher Co., M. W. (6) ..	C	Frans.) .....	A
Napa Valley Packg. Co.		CAL.—Woodland	
(4-6) .....	B	Guggenbime & Co. (Br. San	
CAL.—Oakland		Frans.) .....	A
Central California Canneries		CAL.—Yuba City	
(Br. San Fran.) ..	AAAA	Suttel Preserving Co.	
CAL.—Fairlier		(2-3-6-7-9-21) .....	B
Guggenbime & Co. (Br. San		COLO.—Delta	
Frans.) .....	A	Delta Packing Co. ....	E
CAL.—Petaluma		COLO.—Denver	
Rose Canning Co. ....	C	Eversman & Co., J. G., 1620	
CAL.—Requa		Market (20) .....	B
Klamath Pack. & Trading		Kuner Pickle Co., 22d &	
Co. ....	O	Blake (2-26) .....	B
CAL.—San Diego		COLO.—Fort Lupton	
San Diego Fish Co. (Can.;		Empson Package Co. (2-3-8-	
Smo.) .....	B	9-18) .....	A
San Diego Pack'g Co. ....	C	COLO.—Hotchkiss	
CAL.—San Francisco		Hotchkiss Fruit Growers'	
Alaska Packers' Assn., 308		Assn. ....	B
Market (12) .....	AAAA	COLO.—Longmont	
Alaska Salmon Assn. (12) ..	A	Empson Packing Co. (Br. Ft.	
Alaska Salmon Co.,		Lupton) (2-3-8-9-18) ..	A
54 Steuart .....	A	CONN.—Hartford	
Armsby & Co., J. K., 188		Bentley Co., Geo. Wm., 58	
Market (Br. Chicago, Ill.)		High (Bkrs.) .....	B
Balfour, Guthrie & Co., 316		CONN.—New Britain	
Cal. ....	AAAA	Steele Bros. ....	X
Bristol Pack'g Co., 5 Mar-		CONN.—Windsor	
ket (12) .....	A	Windsor Cannery (1-2-6-4-	
California Commission Co.,		19-16) .....	B
124 California .....	B	DEL.—Bowers	
California Fruit Cannery		Peese & Wilson .....	O
Assn., 201 California (4-6)		DEL.—Bridgeville	
AAAA		Cannon, H. P. (1-2-4-5-6-7-	
Carquines Pack. Co., 203		8-9-16-17-18-21) .....	B
California (6-12) .....	A	DEL.—Camden	
Catton, Bell & Co., 406 Cal-		Stetson & Ellison Co. ....	O
ifornia (Agents) .....	A	DEL.—Clayton	
Cudahy Pack. Co., Luning		Clayton Canning Co. (C. W.	
Bldg. (Meats) .....	AAAA	Baker, Prop., Aberdeen,	
Getz Bros. & Co., 111 Cal-		Md.) .....	A
ifornia (6-12-17) ..	AAAA	DEL.—Delmar	
Golden State Asparagus Co.,		Seneca, S. J. (Br. Havre	
22 California (17) .....	C	Grace, Md.) .....	A
Gray, Lang & Stroh, Luning		DEL.—Dover	
Bldg. (Brokers) .....	C	Richardson & Robbins ..	AAA
Griffin & Skelley Co., 182		DEL.—Harrington	
Market .....	A	Flaming & Co. (2-5-7-8-9-21)	
Griffith-Durney Co., 200 Cal-			B
ifornia (Wh. Bkrs.) ..	A	DEL.—Laurel	
Guggenbime & Co., 118		Stradley & Co., G. W. ....	A
Davis .....	A	DEL.—Leipais	
Hicknott Asparagus Can-		Levins' Sons, S. H. ....	AA
ning Co., 3 California ..	A	DEL.—Milford	
Hume & Co., G. W., 203		North Milford Canning Co.	
California (6-12) ..	AAAA	(Geo. S. Grier & Son,	
Hume & Co., R. D., 421 Mar-		Props.) (2) .....	B
ket (12) .....	AA	Draper & Hirsch (2) .....	B
Hunt Bros. Co., 3 Califor-		DEL.—Odessa	
nia (6) .....	C	Watkins Packing Co. ....	O
Johnson-Locke Merc. Co.,		DEL.—Rising Sun	
123 California .....	A	Farmers' Preserving Co. ..	C
Klamath Pack. & Trading		DEL.—Seaford	
Co., 421 Market (12) ..	A	Greenabaum Bros. (2-7-9-21-	
Landsberger, A. H., 8 Cal-		22) .....	A
ifornia (Broker) .....	C	Emery & Dutton (11) .....	O
Los Gatos Canneries, 220		Ross, E. C. (2-7-9-21) ..	B
Market .....	B	Stevens & Co., W. H. (11)	
Naknek Pack. Co., 5 Mar-			O
ket (12) .....	A	DEL.—Smyrna	
North Alaska Salmon Co.,		Hoffecker Canning Co., J.	
Davis (12) .....	AA	H. ....	O
North Pacific Pack. &		DEL.—Wyoming	
Trad. Co., 21 Main .....	A	Baker, C. W. (Br. Aberdeen,	
Overland Pack. Co., 9 Har-		Md.) (2) .....	A
rison (4-6) .....	AAA	FLA.—Apalachicola	
Pacific Pack'g & Navigation		Green Point Oyster Co.	
Co. (12) .....	AAAA	(Ruge Bros., Props.) ..	B
Pike & Co., C. W., 124 Cal-		FLA.—Ft. Meyers	
		Seminole Canning Co. (2) ..	C

**CANNED GOODS (Con.)**

FLA.—Jacksonville  
Dallam, W. M. (Broker)...B  
FLA.—Key West  
Granday & Co., A. (Green  
Turtle Soup).....C  
FLA.—St. Augustine  
Goffin Bros. (4-11) ....AA  
GA.—Albany  
Eclipse Canning Co. ....A  
GA.—Atlanta  
Shewmake & Murphy ....C  
GA.—Brunswick  
Aiken Canning Co. (11)...C  
Downing Co. (2) .....AA  
GA.—Ft. Valley  
Gray Bros. (2-7-9) .....B  
GA.—Savannah  
Herman & Bro., M. S. (11)  
O  
Lowden, G. W. (6-11)...B  
GA.—Thunderbolt  
Lowden, Geo. W. (6-11)...B  
ILL.—Belvidere  
Holden, C. N. (Packers) (2-  
8-4) .....A  
ILL.—Bloomington  
Bloomington Canning Co. (2-  
8-5-8) .....B  
Welch & Co., W. J. (Com.  
Importers & Jobbers) (1-  
3-5-8-10-11-17-18) .....B  
ILL.—Carrollton  
Carrollton Canning Co. (Rob-  
erts, Ross & Co.) (2-5-9)  
C  
ILL.—Chenoo  
Bloomington Canning Co. (2-  
5-9) .....B  
ILL.—Chicago  
Armour & Co., 205 La Salle  
AAAA  
Armsby Co., J. K., 46 River  
(Brokers) .....A  
Batavia Preserving Co.,  
Randolph & Mich. ....A  
Boak & Co., R. B., 38 S.  
Water (Brokers) .....C  
Booth & Co., A., 2 La Salle  
AAAA  
Fairbanks Canning Co., Un-  
ion Stock Yards...AAAA  
Fish & Co., S. T., 189 S.  
Water (Brokers) .....A  
German-American Provision  
Co., Union Stock Yards  
(23) .....A  
Hammond Co., G. H., Un-  
ion Stock Yards (23)  
AAAA  
Knight & Co., W. S., 2  
Wabash Av. (Bkrs.)...B  
Leslie & Co., John H., 29  
Michigan Av. (Brokers).A  
Libby, McNeill & Libby  
(Soups & Meat) ...AAAA  
Morris, Nelson & Co. (Soups  
& Meats) .....AAAA  
Mullen-Blackledge Co., 53 S.  
Water (Br. Indianapolis.  
Ind.) .....X  
Pickert Fish Co., L., 8  
Market (20) .....A  
Polk & Co., J. T., 46 River  
(Br. Greenwood, Ind.) (2-  
8-4-5-9) .....AA  
Reber Preserving Co., 12  
River .....C  
Reid, Murdoch & Co., Lake  
& Market .....AAAA  
Smith Co., Herbert W., 189  
S. Water (Brokers)...A  
Wing & Co., L. R., 2 Wa-  
bash Av. (Brokers)....B  
ILL.—Doltons Station  
Illinois Canning Co. ....B  
ILL.—Elgin  
Elgin Packing Co. (3-5-9).B  
ILL.—Eureka  
Dickinson & Co. (2-3-5-8).C  
ILL.—Gibson City  
Gibson Canning Co. (5)...A  
ILL.—Hampshire  
Hampshire Canning Co. (5)  
C  
ILL.—Hoopeston  
Hoopeston Canning Co. (5)  
AAA  
Illinois Canning Co. (8-5)  
AA  
ILL.—Kansas  
Kansas Canning Co. ....B  
ILL.—Onarga  
Iroquois Canning Co. (5).A

**CANNED GOODS (Con.)**

ILL.—Paxton  
Paxton Canning Co. (2-5-9)  
A  
ILL.—Peoria  
Warrensburg Canning Co.  
(C. J. Off & Co., Props.)  
AA  
ILL.—Springfield  
Springfield Canning Co. (2-  
5) .....B  
ILL.—Sycamore  
Sycamore Preserving Wks.  
(5-9) .....B  
IND.—Arcadia  
Arcadia Canning Wks.  
(Martz Bros., Props)....C  
IND.—Bloomington  
Bloomington Canning Co.  
(2-5-7) .....C  
IND.—Columbus  
Rider, Preston .....C  
IND.—Crothersville  
Crothersville Canning Co.  
(P. Rider, Prop.) (2-3-5-  
8) .....C  
IND.—Delphi  
Great Western Canning Co.  
(2-3-5-8-9-16-26) .....C  
IND.—Eaton  
Indiana Packing Co. ....C  
IND.—Evanville  
Indiana Canning Co. (4-6).C  
IND.—Franklin  
Franklin Canning Co. (2-5)  
C  
IND.—Greenwood  
Johnson, Grafton .....A  
Polk Co., J. T. (2-3-4-5-9)  
AA  
IND.—Hammond  
Hammond Co., G. H. (23)  
AAAA  
IND.—Indianapolis  
Columbia Conserve Co.  
(Soups) .....A  
Huffman Packing Co., W.  
D. (2-5-9) .....C  
Kingan & Co. (23) ..AAAA  
Van Camp Packing Co. (1-2-  
3-8-9-16-22-23-26) .....AA  
IND.—Kokomo  
Johnson, Grafton (2-3-9-18)  
A  
IND.—Ladoga  
Ladoga Canning Co. (2)...C  
IND.—Lexington  
Lexington Canning Co. (2-7-  
8-18) .....C  
IND.—Marion  
Spener-Hogan Co. (2-5-9).A  
IND.—Muncie  
Tuhey Canning Co. ....B  
IND.—Portland  
Hood Co., W. H. (2-8-9).B  
IND.—Scottsburg  
Scottsburg Canning Co. (P.  
& J. W. Rider, Props.)  
(2) .....C  
IND.—Sharpsville  
Sharpsville Canning Co. (2-  
5-9) .....B  
IND.—Tipton  
Johnson, Grafton (Tipton  
Canning Co.) .....A  
IND.—Wabash  
Great Western Canning Co.  
C  
IND.—Walton  
Walton Canning Co. ....B  
IND.—Whiteland  
Johnson, Grafton .....A  
Whiteland Canning Co. ...C  
IND.—Windfall  
Bailey, W. R. (2-8) .....B  
IOWA—Atlantic  
Atlantic Canning Co. (5)..A  
IOWA—Cedar Falls  
Cedar Falls Canning Co. (2-  
5) .....C  
IOWA—Cedar Rapids  
Cedar Rapids Canning Co.  
(5) .....C  
IOWA—Garrison  
Iowa Canning Co. ....B  
IOWA—Gilman  
Gilman Canning Co. ....C  
IOWA—Glenwood  
New Glenwood Canning Co.  
(2-4-5-6-25) .....C  
IOWA—Independence  
Independence Canning Co.  
(5) .....C  
IOWA—Keokuk  
Keokuk Canning Co. (2-9).A

**CANNED GOODS (Con.)**

Keokuk Pickle Co. (2-3-8-18) B

IOWA—La Porte City

Iowa Canning Co. (Br. Vin-  
ton) .....B

IOWA—Sac City

Sac City Canning Co. ....C

IOWA—Vinton

Iowa Canning Co. (2-5)....B

IOWA—Waterloo

Waterloo Canning Corpora-  
tion (5) .....B

IOWA—Waverly

Kelley Canning Co. ....C

KANS.—Leavenworth

Globe Canning Co. (J. S.  
Edwards, Prop.) (2-5-8) .C

KY.—McKinney

McKinney Canning Co. (H.  
L. Tanner & Son, Props.)  
(2) .....B

KY.—Owensboro

Blue Grass Canning Co. (1-  
2-3-5-7-8-9-28) .....B

KY.—South Union

Society of Shakers (6)....B

LA.—Morgan City

Coquenhem, M. (11) .....C

Dalton, Jno. (11-13) .....B

LA.—Neptune

Lopez &amp; Dukate (11-13) ...A

LA.—New Orleans

Barataria Canning Co., 512  
Mazan (3-4-6-7-9-11) ...A

Dunbar Sons, G. W., 3400

Chartres (2-6-11-14) ....A

Graham-Boswell Co., P. O.  
Box 916 (11-13) .....C

LA.—Shreveport

Taylor Co., W. F., Ltd. .AA

MAINE—Anson

Portland Packing Co. (Pack-  
ers) .....AA

MAINE—Auburn

Burnham & Morrill Co. (5)  
AA

MAINE—Bethel

Webb Co., H. F. ....B

Wyman &amp; Son, J. ....B

MAINE—Boothbay Harbor

Maddocks Packing Co. (15)  
C

MAINE—Bridgeton

Bridgeton Canning Co. (5)  
ABurnham & Morrill Co. (5)  
AAA

MAINE—Brunswick

Baxter & Bro., H. C. (1-3-  
5-10-18-25) .....ASnowflake Canning Co. (5)  
C

MAINE—Bryant Pond

Fernald, Keene & True Co.  
(5) .....AA

MAINE—Buckfield

Portland Packing Co. (Br.)  
AA

MAINE—Canton

Portland Packing Co. (Br.)  
AA

MAINE—Cherryfield

Wyman &amp; Son, J. ....B

MAINE—Columbia Falls

Loggie, A. &amp; R. ....A

MAINE—Cumberland Centre

Merrill Bros. (5) .....C

MAINE—Cutler

Wilder, F. H. (14-15)....C

MAINE—Denmark

Denmark Packing Co. .AA

MAINE—Dufield

Burnham &amp; Morrill Co. .AA

MAINE—East Corinth

Wyman &amp; Son, J. ....B

MAINE—East Fryeburg

Snowflake Canning Co. .C

MAINE—Eastport

Holmes, E. A. (14-15) ....B

Sea Coast Canning Co. (15)  
AAAA

MAINE—East Sumner

Minot Packing Co. (3-5) ..C

MAINE—Fairfield

Portland Packing Co. ...AA

MAINE—Farmington

Farmington Packing Co.  
(Burnham & Morrill Co.,  
Prop.) Portland ....AAA

MAINE—Foxcroft

Portland Packing Co. (Br.)  
AA

MAINE—Friendship

Burnham &amp; Morrill Co.

**CANNED GOODS (Con.)**

(Br.) .....AAA

MAINE—Fryeburg

Baxter &amp; Bro., H. C. ....A

MAINE—Harrington

Burnham &amp; Morrill Co. AAA

MAINE—Harrison

Harrison Packing Co. ...AA

MAINE—Hiram

Twitchell-Champlin Co. (Br,  
Portland) .....AA

MAINE—Hollis Centre

Saco Valley Canning Co. (1-  
3-5) .....C

MAINE—Kesar Falls

Baxter & Bro., H. C. (4-10)  
A

MAINE—Leeds

Webb Co., H. F. (5)....B

MAINE—Lisbon

Fernald, Keene & True Co.  
(5) .....AA

MAINE—Lovell

Snowflake Canning Co. (5)  
C

MAINE—Lubec

Lawrence Lumber & Pack-  
ing Co. ....BSeacoast Canning Co. (15)  
AAAA

MAINE—McKinley

Underwood & Co. (Br. Bos-  
ton) (20) .....A

MAINE—Machias

Coffin, J. A. (5-18) .....B

MAINE—Machiasport

Machiasport Packing Co.  
(15) .....C

MAINE—Mechanics Falls

Minot Packing Co. (3-5-25)  
C

MAINE—Millbridge

Wyman & Son, J. (14-15-18)  
B

MAINE—Minot

Burnham & Morrill Co. (5)  
AAA

MAINE—Naples

Portland Packing Co. .AA

MAINE—Newport

Portland Packing Co. (Br.)  
AA

MAINE—Norridgewock

Somerset Packing Co. ....AA

MAINE—No. Fryeburg

Snowflake Canning Co. (5)  
C

MAINE—Norway

Webb Co., H. F. (5) ....B

MAINE—Oakland

Portland Packing Co. .AA

MAINE—Oxford

Fernald, Keene & True Co.  
(5) .....AA

MAINE—Poland

Fernald, Keene & True Co.  
(5) .....AA

MAINE—Port Clyde

Burnham &amp; Morrill Co. .AAA

MAINE—Portland

Armsby Co., J. K. (Br.  
Chicago) (5) .....ABurnham & Morrill Co. (3-  
4-5-10-14-18-20-23-25) AAA

Conant, Patrick &amp; Co. ....A

Fernald, Keene & True Co.  
(5) .....AA

Payson &amp; Co., E. C. ....C

Portland Packing Co. (3-5-  
10-14-18-20-23; Soups) .AA

Saco Valley Canning Co. .C

Thompson-Hall Co. (1-5-16)  
CTwitchell-Champlin Co. (Im-  
porters) .....AA

Webb Co., H. F. ....B

Winslow Packing Co. ....C

MAINE—Redfield

Webb Co., H. F. ....B

MAINE—Rockland

Thorndike & Hix (1-3-5-8-14-  
16-18-20-25) .....C

MAINE—Saint Albans

Snowflake Canning Co. ...C

MAINE—Skowhegan

Portland Packing Co. .AA

MAINE—South Paris

South Paris Packing Co. .AA

MAINE—Southwest Harbor

Sea Coast Packing Co. (15)  
AAAA

MAINE—Turner

Fernald, Keene & True Co.  
(1-3-5-8-16-25) .....AA

CANNED GOODS (Con.)		CANNED GOODS (Con.)	
<b>MAINE—Unity</b>		<b>MD.—Belcamp</b>	
Portland Packing Co. .... AA		Mietrich, E. A. .... C	
—Vaneoboro		<b>MD.—Bethlehem</b>	
Loggie, A. & R. .... A		Messick, R. M. (2) .... C	
<b>MAINE—Waldoboro</b>		<b>MD.—Bivalve</b>	
Twitcheil-Champlin Co. (Br.		Insley & Sons, G. D. (2-19)	
Portland) .... AA			
<b>MAINE—Weld</b>		<b>MD.—Bradshaw</b>	
Drummer, G. G. .... C		Crossmore, A. .... C	
<b>MAINE—West Jonesport</b>		<b>MD.—Bruceville</b>	
Underwood Co., Wm. (20) .A		Sharretts & Bro., O. H. .C	
<b>MAINE—West Minot</b>		<b>MD.—Cambridge</b>	
Minot Packing Co. (3-5) .C		Leonard & Co., J. L. (2-7-9)	
<b>MAINE—West Paris</b>			
West Paris Packing Co. .AA		Mace, Woolford & Co. (11)	
<b>MAINE—West Poland</b>			
Fernald, Keene & True Co.		Phillips Packing Co. (2-7-11)	
(1-2-3-4-5-6-8-16-25) ...AA			
<b>MAINE—Winthrop</b>		Wallace Packing Co., Jas.	
Portland Packing Co. .... AA		(2-7-9) .... B	
<b>MD.—Aberdeen</b>		Winterbottom, W. G. (11)	
Baker, C. W. (2) .... A			
Baker, J. B. (2) .... B		<b>MD.—Cheestertown</b>	
Baker, W. B. (2) .... B		Canning & Mercantile Co. of	
Baker & Morgan (Brokers)		Kent .... C	
(2) .... A		<b>MD.—Cordova</b>	
Michael, Jno. M. (5) .... B		Saulsberry Bros. .... B	
Mitchell, M. (2) .... C		<b>MD.—Crisfield</b>	
Mitchell & Bro., J. S. (2) .C		Crockett & Riggan (11) .C	
Strasbaugh, Steckel, Hewitt		Gibson & Bros., W. E. (14-	
Co. (Brokers) .... C		17) .... C	
<b>MD.—Baltimore</b>		Long, Coulbourn & Co. (11)	
Anginbaugh Canning Co.			
(1-2-3-4-6-7-8-9-11-18-21-25-		Riggan & Co., J. H. (11) .C	
26) .... B		Tangler Packing Co. (Dev-	
Baugh & Sons' Co., 38 South		illed Crabs) .... B	
(4-6) .... AAAA		<b>MD.—East Brooklyn</b>	
Booth & Co., A., 727 S.		Wagner, Martin Co. (4-6-11)	
Wolfe (4-6-11) .... AAAA			
Boyer & Co., W. W., 600 W.		<b>MD.—E. Newmarket</b>	
Fall Av. (6-11) .... A		Webster & Co., Chas. (26) .D	
Continental Commercial Co.,		<b>MD.—Easton</b>	
1630 Bank (Brokers) .B		Hubbard & Bro. (4-6) .... C	
Fait, Jr. & Co., Wm., Boston		Wrightson Packing Co. (11)	
& Patuxent (6-11) .... A			
Gibbs Preserving Co., 2305		<b>MD.—Edgemont</b>	
Boston .... AA		Nicodemus, J. .... B	
Grebb, Louis, 2353 Boston		<b>MD.—Eldorado</b>	
(2-7-9-11) .... B		Brinsfield & Son, Z. H. (2-	
Grecht Co., Wm., 1816 S.		8-9) .... B	
Sharp (4-6-11) .... C		<b>MD.—Elkton</b>	
Heminway & Co., H. F.,		Baker, C. W. (11) .... A	
2323 Orleans (4-6-11) .C		<b>MD.—Fallston</b>	
Hittle & Co., F., 114 Hol-		Robinson, W. E. (2-5) .... B	
lingsworth (11) .... C		<b>MD.—Fowling Creek</b>	
Jackson & Co., R. S., 113		Dean, W. H. .... C	
S. Charles (6) .... B		<b>MD.—Gittings</b>	
Kidwell Bros. & Co., 1407		Foard, J. B. .... C	
Philpott (6-11) .... C		<b>MD.—Girdlestone</b>	
Langrall & Bro., J., 2111		Robinson, W. E. (2-5) .... B	
Aliceanna (6-11) .... C		<b>MD.—Golding Ring</b>	
McGaw, Davis & Co., Gay		Volz & Son, H. .... C	
& Water (4-6) .... A		<b>MD.—Goldsboro</b>	
McGee & Co., W. H., 1138		Jarrell, R. (2-3-7-8-9) .... C	
Block (11) .... C		<b>MD.—Havre de Grace</b>	
McGrath & Co., H. J., At-		Seneca, S. J. (Broker, Pack-	
lantic Wharf (6-11) .... A		er & Com. Mer.) .... A	
McWilliams & Co., H., 110		<b>MD.—Hickory</b>	
E. York (11) .... B		Finney & Robinson (2-5) .C	
Meehan & Co., Thos. J., 524		<b>MD.—Inverness</b>	
S. B'way (Brokers) .B		Clark, Wands & Bennett Co.	
Michael & Co., W. G., 520		(11) .... C	
Union Dock (Packers'		<b>MD.—Jessups</b>	
Agt.) .... C		Summers & Co., C. G. (4-6)	
Miller Bros. & Co., 913 S.			
Wolfe (4-6-11) .... AA		<b>MD.—Marion Station</b>	
Moore & Brady, ft. E. Mont-		Tull, Miles & Co. (11) .... B	
gomery (11-20) .... AA		Tull & Co., A. F. (11) .... B	
Morris, Nelson & Co., 233		<b>MD.—Medford</b>	
W. Pratt (Br. Chicago)		Robinson & Engler (2) .... C	
(Meats) .... AAAA		<b>MD.—Minefield</b>	
Myer & Co., T. J., 514 W.		Robinson, W. E. (2-5) .... B	
Falls Av. (6-11) .... A		<b>MD.—Mitchellville</b>	
Orem & Co., O. C., 215 Mc-		McGaw, Davis & Co. .... A	
Elderrys Whf. (11) .... C		<b>MD.—Oxford</b>	
Platt & Co., ft. Clement		Bayside Packing Co. (11) .C	
(11) .... A		Wrightston Packing Co. (11)	
Roberts Bros., 2337 Boston			
(4-6) .... A		<b>MD.—Perryman</b>	
Storey, Bunnell Packing Co.,		Stockham, E. V. (2-5) .... C	
ft. West (11) .... C		<b>MD.—Preston</b>	
Sticker Bros., Enos & East		Preston Canning Co. .... B	
B		<b>MD.—Ridgely</b>	
Summers & Co., Chas. G.,		Alliance Preserving Co. (2-	
415 W. Camden (4-6) .C		6) .... B	
Torsch Packing Co., P. O.		Day, Swing & Co., T. L. (2)	
Box 73 (1-2-3-4-5-6-7-8-9-		11-13-16-18-21-25-26) ...A	
Underhill, J. J., Bowly's		Saulsberry Bros. (2) .... B	
Wharf (4-6-11) .... B		<b>MD.—Singerly</b>	
Wagner, Martin Co., Pratt		Robinson, W. E. (2-5) .... B	
& Gay (4-6-11) .... A		<b>MD.—Snow Hill</b>	
<b>MD.—Belair</b>		Ayars & Co., R. F. (6)	
Finney & Robinson (Bkrs.)		AAA	

# CANNED GOODS (Con.)

**MD.—Sudlersville**  
 Gadd & Sudler .....C  
**MD.—Trappe**  
 Jenkins & Kirby (2-6)....C  
 Kirby, W. A. (2-7) .....C  
**MD.—Union Mills**  
 Schriver & Co., B. F. ....A  
**MD.—Upper Cross Roads**  
 Robinson, W. E. (2-5)....B  
**MD.—Vale**  
 Robinson, W. E. (2-5)....B  
**MD.—Westminster**  
 Shriver & Co., B. F. (6) ..A  
 Smith, Youngling & Co. (6) ..A  
**MD.—Woodland**  
 Wyoming Canning Co. ....C  
**MASS.—Boston**  
 Bentley Co., Geo. Wm., 192  
 State (Brokers) .....B  
 Chanv, John, 12 India  
 (Broker) .....C  
 Cowdrey Co., E. T., 216  
 State (R. I. Sherman Mfg.  
 Co., successors) .....C  
 De Long, Seaman & Co., 156  
 Mills .....AAA  
 Dudley & Co., U. H., (Bd.  
 of Trade Bldg.) (Bkrs.)..A  
 Huckins & Co., J. H., 60  
 Commercial (Soups;  
 Meat) .....C  
 Pickert Fish Co., L., New  
 (3-10-14-15-20) .....B  
 Potter & Wrightington, 60  
 Commerce .....AA  
 Scandinavian Importing Co.,  
 498 Commercial .....C  
 Sherman Mfg. Co., E. I.,  
 216 State .....C  
 Standard Gro. Co., 80 Ful-  
 ton .....B  
 Underwood Co., Wm., 52  
 Fulton (Meats) .....A  
**MASS.—Cambridge**  
 Alghieri Soup Co. ....C  
**MASS.—Gloucester**  
 Treat, L. A. (Importers)..C  
**MASS.—Lynn**  
 Youland & McManus .....C  
**MICH.—Battle Creek**  
 Battle Creek Sanitary Food  
 Co. ....A  
 Michigan Canning & Preserv-  
 ing Co. ....A  
 Price Cereal Food Co.  
 (Hulled Corn) .....A  
**MICH.—Detroit**  
 Avery Preserving Co. ....C  
 Baird & West, 149 Jefferson  
 Av. ....C  
 Hamblen, J. G. (Job.)....C  
 Reynolds & Co., F. P., 16  
 Woodbridge, W. (Bkrs.)..C  
 Wiley & Co., D. O., 20  
 Woodbridge, W. ....C  
**MICH.—Dundee**  
 Spaulding, H. C. ....C  
**MICH.—Grand Rapids**  
 Thomas & Son, H. ....C  
**MICH.—Hart**  
 Roach & Co., W. R. (1-2-3-  
 5-7-9-18-21-25) .....C  
**MICH.—Holland**  
 Heinz Co., H. J. (Pittsburg,  
 Pa.) .....AAAA  
**MICH.—New Buffalo**  
 New Buffalo Canning Co.  
 (Reid, Murdock & Co.,  
 Props., Chicago) ..AAAA  
**MICH.—Pewaukee**  
 Sears & Nichols (Br. Chilli-  
 cothe, Ohio) .....A  
**MICH.—Port Huron**  
 Canham & Son, W. ....B  
**MICH.—Shelby**  
 Mikesell & Co., J. (4-6) ..B  
**MICH.—South Haven**  
 Dunkley Co. (6) .....C  
**MICH.—Traverse City**  
 Traverse City Canning Co.  
 .....C  
**MICH.—West Bay City**  
 Bental Pickling & Canning  
 Co. (1-6-8-18-21) .....A  
**MICH.—Yale**  
 Yale Canning Co. ....C  
**MINN.—Albert Lea**  
 Albert Lea Can Co. (5) ...B  
**MINN.—Austin**  
 Austin Canning & Preserv-  
 ing Co. (2-5-8) .....B  
**MINN.—La Crescent**  
 La Crescent Canning &

# CANNED GOODS (Con.)

**Pickling Co. ....B**  
**MINN.—Minneapolis**  
 Park Co., Louis M., 6 N.  
 3d (Brokers) .....B  
 Platt Co., 23 Washn. Av., N.  
 B  
 Preece & Co., T. J., 9 N. 3d  
 B  
**MINN.—St. Paul**  
 Booth & Co., A., 60 E. 3d  
 AAAA  
 Griggs, Cooper & Co., 242  
 E. 3d .....AAA  
 Schoch Grocery Co., A., 298  
 E. 7th .....B  
**MISS.—Bay St. Louis**  
 Dunbars' Sons, G. W. (14)  
 A  
**MISS.—Biloxi**  
 Barataria Canning Co. (4-6-  
 7-9-11-14) .....A  
 Biloxi Canning Co. (14-24)  
 O  
 Gorenflo, Wm. (11-14-24)..A  
 Joulilian Packing Co., E. C.  
 (14-24) .....C  
 Lopez & Dukate (11-18) ..A  
**MISS.—Brookhaven**  
 Brookhaven Mfg. & Improve-  
 ment Co. ....C  
**MISS.—Gulfport**  
 Gulfport Packing & Mfg. Co.  
 B  
**MISS.—Pass Christian**  
 Pass Packing Co. (11-13) ..C  
**MO.—Alexandria**  
 Anchor Pickle & Can Wks.  
 (I. Wagoner, Prop.) (2-9)  
 A  
**MO.—Blue Springs**  
 Woods & Sons, R. ....B  
**MO.—Fair Play**  
 Fair Play Canning Co. (2)  
 O  
**MO.—Forest City**  
 Forrest City Canning Co. ..B  
**MO.—Greenfield**  
 Greenfield Canning Co. (2)  
 A  
**MO.—Hamilton**  
 Tilley & Co., H. ....C  
**MO.—Haven**  
 Haven Canning Co. ....B  
**MO.—Kahoka**  
 Keokuk Canning Co. (2) ..B  
**MO.—Kansas City**  
 Booth Packing Co., A.  
 AAAA  
 Ford & Doan, 1209 W. 9th  
 (Brokers) .....C  
 Goodlett & Bolles, 1422 St.  
 Louis Av. (Brokers)....B  
**MO.—Kirkville**  
 Kirksville Canning & Pickle  
 Factory (G. Rupe, Prop.)  
 (1-2-3) .....B  
**MO.—Mound City**  
 Andes & Co., W. C. (2-5) ..C  
**MO.—Neosho**  
 Neosho Canning Co. ....B  
**MO.—Parnell**  
 Parnell Canning Co. (1-8-4-  
 5-8) .....C  
**MO.—St. Joseph**  
 Seavey & Flarsheim (Brok-  
 ers) .....B  
**MO.—St. Louis**  
 Ford & Doan, 812 N. 2d  
 (Brokers) .....C  
 Gettys & Gilbert, 806 Spruce  
 (Brokers) .....C  
 Haase & Sons Fish Co., A.  
 C. L., 415 N. 2d .....A  
 Prechlinger & Stern, 813  
 Spruce (Brokers) .....B  
**NEBR.—Blair**  
 Martin & Nurre (5) .....C  
**NEBR.—Omaha**  
 Peycke Bros. Com. Co., 1009  
 Howard (Brokers) .....A  
**NEBR.—South Omaha**  
 Cudahy Packing Co. ....AAAA  
**N. J.—Alloway**  
 Smith, L. F. ....C  
**N. J.—Bordentown**  
 Brakely, Asher (2-3-4-9-16)  
 B  
**N. J.—Bridgeton**  
 Ayars & Sons' Co., B. S. (1-  
 2-3-6-8-17-18-21) .....C  
 Brady Co., J. F. (2-6) ...C  
 Lanning & Son, W. (2-6) ..C  
 Stout, J. W. (2) .....A

**CANNED GOODS (Con.)**

N. J.—Burlington  
Birkmire, W. H. (2-6) ...B  
Conwell & Co., L. A. (Br.  
Phila., Pa.) .....B  
N. J.—Camden  
Campbell Preserving Co.,  
Jos. ....AA  
N. J.—Canton  
Carll & Harris (2-6) ....C  
N. J.—Cape May  
Stevens & Bro., W. L. ....C  
N. J.—Cedarville  
Diamond & Son, J. E. (2) .B  
Stevens & Bro., W. L. (2-  
4-9) .....C  
N. J.—Daretown  
Ayers, Harry (2-5-9) ....C  
N. J.—Elizabeth  
Earl, E. B. & W. A. C.  
(2-5-6-9) .....B  
N. J.—Elmer  
Smith, Luke T. (2) .....C  
N. J.—Englishtown  
Reid & Co., J. B. ....C  
N. J.—Fairton  
Statham, Cosier & Camm  
(2-18) .....B  
N. J.—Greenwich  
Watson Bros. & Co. (2-6) .C  
N. J.—Hancocks Bridge  
Fogg & Hires Co. (2) ....B  
N. J.—Jersey City  
Franco-Amer Food Co. ...A  
N. J.—Leesburg  
Leesburg Packing Co. (2) .B  
N. J.—Moorestown  
Collins & Son, J. S. (4-6) .B  
N. J.—Mt. Holly  
Jones & Co., E. B. ....C  
N. J.—Newport  
Strathem, Cosier & Co. (6)  
B  
N. J.—Norma  
Allivine Co. ....B  
N. J.—Penn Grove  
Hughes, R. D. ....B  
N. J.—Port Norris  
Port Norris Canning Co. ...B  
N. J.—Quinton  
Kelty, S. L. (2) .....C  
N. J.—Red Bank  
Stout, J. W. (Br.) .....A  
N. J.—Salem  
Bilderback, Albert .....C  
Fogg & Hires Co. ....B  
Grier, R. ....C  
Hiles & Hillard (2) ....B  
Jones, O. L. (6) .....A  
Watson Bros. & Co. (2-6) .C  
N. J.—Shiloh  
Davis, Rainear & Davis (2-  
8-21) .....B  
N. J.—Shrewsbury  
Hazard & Co., E. C. (Br. N.  
Y. C.) .....AA  
N. J.—Tuckahoe  
Diamant & Son, J. E. (2-6)  
B  
N. J.—Williamstown  
Souder & Clark .....C  
N. J.—Woodstown  
Davis & Lippincott .....A  
Farmers' Co-operative Can-  
ning Co. ....C  
N. J.—Yorktown  
Ewell, J. S. ....C  
N. Y.—Akron  
Hamburgh Canning Co. (Br.  
Hamburgh) .....A  
N. Y.—Auburn  
Hemingway & Co., H. C.  
1-2-3-4-5-6-8-9-16-18) ...A  
N. Y.—Batavia  
Batavia Pressing Co. (Br.  
Chicago) .....A  
N. Y.—Blossvale  
White, F. & I. J. ....B  
N. Y.—Brant  
Erie Preserving Co. (2-5) .A  
N. Y.—Brookport  
Batavia Preserving Co. (1-  
2-3-4-6-7-17-18-21-26) ...A  
N. Y.—Buffalo  
Buffalo Preserving Co., P.  
O. Station O (1-2-3-4-5-6-  
7-8-9-16-17-18-21-22-25-26)  
A  
Erie Preserving Co., 941  
Perry (1-2-3-5-6-7-8-9-16-  
18) .....AA  
Heinz Co., H. J., 106 Main  
(Br. Allegheny, Pa.)  
AAAA  
United States Canning Co.,

**CANNED GOODS (Con.)**

425 Ellicott Sq. ....AA  
N. Y.—Canastota  
Canastota Canning Co. (3-  
5-9) .....C  
Hubbard, F. F. (3-4-5-8-9-  
16-26) .....C  
N. Y.—Clinton  
Clinton Canning Co. (6) .AA  
N. Y.—Clyde  
Hemingway & Co., H. C.  
(Br. Syracuse, N. Y.) .A  
N. Y.—Delta  
Olney & Floyd (Br. West-  
ernville, N. Y.) .....A  
N. Y.—Eden  
Hamburg Canning Co. (Br.  
Hamburg, N. Y.) .....A  
N. Y.—Fairport  
Viele, P. B. (1-2-8-26) ....A  
N. Y.—Farnham  
Erie Preserving Co. (5-6)  
AA  
N. Y.—Fayetteville  
Fayetteville Canning Co. .AA  
N. Y.—Fenton  
Erie Preserving Co. (Br.)  
AA  
N. Y.—Forrestville  
Forrestville Canning Co.  
(Haserot Canneries Co.,  
Cleveland, Ohio, Props.)  
(1-3-5-8-9) .....X  
N. Y.—Franklinville  
Franklinville Canning Co.  
(1-5-8-9) .....A  
N. Y.—Fredonia  
United States Canning Co.  
(4-6) .....A  
N. Y.—Geneseo  
Winters & Prophet (5) ...B  
N. Y.—Geneva  
Geneva Preserving Co. ...B  
N. Y.—Gowanda  
Gowanda Canning Co. (Has-  
erot Canneries Co., Props.,  
Cleveland, Ohio) (1-3-5-8-  
9-25) .....X  
N. Y.—Hamburg  
Hamburg Canning Co. (2-5-  
6-9) .....A  
N. Y.—Holley  
Hudson & Co. (1-2-3-9-16-17)  
B  
N. Y.—Islip  
Doxsee & Sons, J. H. ....C  
N. Y.—Kenwood  
Onelda Community (Ltd.)  
(2-5-17) .....AAA  
N. Y.—Kirkville  
Woerner Preserving & Pack-  
ing Co. ....AA  
N. Y.—Lenox  
McKinley Canning Co., Wm.  
C  
N. Y.—Le Roy  
Le Roy Canning Co. (3-4-  
5-8-9-25) .....C  
N. Y.—Liverpool  
Woerner Preserving & Pack-  
ing Co. ....AA  
N. Y.—Lowville  
Conover, W. G. (3-5-9-16-18)  
C  
N. Y.—McConnellsville  
Tuttle & Co. (5) .....C  
N. Y.—Mattituck  
Hudson & Co. (4-17) ....B  
N. Y.—Mexico  
Wilson, Geo. H. (Br. Ta-  
berg, N. Y.) .....A  
N. Y.—Middleport  
Batavia Preserving Co. (Br.  
Chicago) .....A  
N. Y.—Minoa  
Woerner Preserving & Pack-  
ing Co. ....AA  
N. Y.—Model City  
Erie Preserving Co. (5) .AA  
N. Y.—Mt. Morris  
White, J. F. (Agt.) ....B  
Winters & Prophet (1-2-3-4-  
5-8-9-16-25) .....B  
N. Y.—Newark  
Perkins Co., C. H. (1-2-3-4-  
5-6-8-9-16-18-21-25) ...AA  
N. Y.—New Dorp  
Tyson, D. J. ....AA  
N. Y.—New Hartford  
New Hartford Canning Co.,  
Ltd. (2-3-5-7-8) .....A  
N. Y.—Newport  
Newport Canning Co. (5) .B

CANNED GOODS (Con.)	
New York City	
Arms, Max, 372 G'wich.	AA
Anthony Co., H. M., 48	
W. B'way	B
Armour & Co., 173 Duane	
(Br.)	AAAA
Armsby Co., J. K., 87 Hud-	
son (Br.)	A
Bogle & Scott, 105 Hudson	
(Brokers)	A
Booth & Co., A., 105 Hud-	
son (20)	AAAA
Bowers & Co., B. O., 6 Har-	
risson (10-11-15)	B
Burnham Co., E. S., 61	
Gansevoort	D
Campbell Preserving Co., J.,	
182 Franklin (Br.)	A
Chapman Co., J. M., Wool	
Exch. (Com. & Bkrs.)	C
Cohen & Co., W. H., 229	
Washington	C
Cudahy Packing Co., 74	
Hudson (Br.)	AAAA
Dudley & Co., U. H., 165	
Duane (Brokers)	A
Erie Preserving Co., 107	
Hudson (Br.)	AA
Fairbank Canning Co., 46	
10th Av.	AAAA
Gordon & Dilworth, 563	
Greenwich	A
Haaker Co., W., 99 North	
Moore	B
Hartwig & Bennett, 61 N.	
Moore	A
Hazard & Co., E. C., 117	
Hudson	AA
Heinz Co., H. J., 206 Spring	
(Br.)	AAAA
Howe & Co., C. T., 51 Hud-	
son (Brokers)	C
Hunt & Co., D., 105 Hud-	
son (Brokers)	A
Hurley & Co., J. B., 90 W.	
B'way (Brokers)	B
Israel & Bro., C., 490 Canal	
B	
Johnson Co., J. S., 219	
Washn. (Pineapples)	A
Johnstone, North & Co., 21	
Harrison (Brokers)	C
Kemp, Day & Co., 73 Hud-	
son (Brokers)	AA
Kress & Co., A., 64 Dey	B
La Manna, Azema & Farnan,	
397 Washn. (9)	B
Oettinger Bros. 336 G'wich.	
(Brokers)	C
Oneida Community (Ltd.),	
395 Broadway	AAA
Portland Packing Co., 105	
Hudson (Br.)	AA
Rafferty & Hosler, 67 Front	
B	
Reiss & Brady, 840 Green-	
wich	B
Ritter Conserve Co., P. J.,	
448 Washn. (Br. Phila.,	
Pa.)	A
Rosenstein Bros. (Inc.), 96	
N. Moore	AA
Royal Specialty Co., 92	
Reade (Clam Bouillon)	C
Schaefer, Jno. W., 6 Har-	
risson	B
Seeman Bros., 121 Hudson	A
Seggerman Bros., 91 Hudson	
B	
Smith & Co., J. P., 94 Hud-	
son	AAA
Snider Preserve Co., T. A.,	
105 Hudson (Br.)	AA
Strohmer & Arpe Co., 83	
Water	A
Thompson, G. H., 107 Hud-	
son	B
Turle & Skidmore, 105 Hud-	
son (rBokers)	B
Waerber & Lea, 129 Hudson	
B	
Walden & Co., 6 Harrison	B
N. Y.—North Collins	
Erie Preserving Co. (5-6)	AA
N. Y.—Oneida	
Burt, Olney Canning Co.	A
N. Y.—Orchard Park	
Erie Preserving Co.	AA
N. Y.—Oswego	
Oswego Preserving Co. (1-2-	
3-5-6-9-18-21)	C
CANNED GOODS (Con.)	
N. Y.—Parish	
Windholz, L. (5)	C
N. Y.—Pulaski	
Richland Canning Co. (4-5-6)	C
N. Y.—Riverhead	
Hudson & Co. (17)	C
N. Y.—Rochester	
Curtice Bros. Co.	AA
N. Y.—Rome	
Clinton Canning Co. (1-3-5-8-	
9-25)	AA
Fort Stanwix Canning Co.	
(2-3-4-5-6-8-9-18-25)	A
N. Y.—Sauquoit	
Sauquoit Canning Co. (1-2-	
5-8-9)	B
N. Y.—Sinclairville	
Fredonia Preserving Co. (1-	
2-3-5-8-9-16-25)	A
N. Y.—Springville	
Springville Canning Co. (1-	
3-5-8-9-25)	C
N. Y.—Syracuse	
Hemingway & Co., H. C. (1-	
2-3-4-5-6-8-9-16-18)	A
Merrell-Soule Co. (3-5-8-9-	
25)	AA
Windholz, L. (6)	B
N. Y.—Taberg	
Wilson, G. H. (5)	A
N. Y.—Utica	
Sauquoit Canning Co.	B
Utica Canning Co. (1-2-3-4-	
5-8-9-25)	C
N. Y.—Vernon	
Curtice Bros. Co. (Br. Roch-	
ester, N. Y.)	AA
N. Y.—Webster	
Webster Preserving Co. (1-	
2-3-18-26)	B
N. Y.—Westernville	
Olney & Floyd (5)	A
N. C.—Elizabeth City	
Robinson Packing Co. (11)	A
N. C.—Oxford	
White Canning Co.	B
N. C.—Washington	
Farren & Co., J. S. (Br.	
Balto., Md.) (6-11)	A
OHIO—Chillicothe	
Sears & Nichols Co. (1-2-3-	
4-5-6-7-8-9-18-21-25-26)	A
OHIO—Cincinnati	
Armour & Co., 17 E. 2d	
AAAA	
Cincinnati Abattoir Co. (23)	AA
Loudon, Chas. F., Court &	
Sycamore (22-23)	C
National Pure Food Co., 920	
Sycamore	C
Peebles' Sons Co., J. E.,	
Government Sq.	A
Shaw & Co., Geo. A., 42	
Vine (Brokers)	C
Snider Preserving Co., 209	
Sycamore	A
Threlkeld & Son, H. C., 59	
Walnut (Brokers)	C
Weller Co., J., Spring Grove	
& Ala. Aves. (2-3-7-8-18-26)	A
OHIO—Circleville	
Esmeralda Canning Co.	C
Scioto Canning Co. (2-5)	A
Sears & Co., O. E. (2-5)	AA
Winorr Canning Co. (3-5-9)	C
OHIO—Cleveland	
Buckeye Fish Co., Line &	
C. T. & V. E. R. (20)	C
Haserot Canneries Co., 39	
Woodland Av. (1-3-5-8-9-	
25)	B
Housum Co., B. W., The	
Arcade (Brokers)	C
Wenham's Sons, A. J., 138	
Sheriff (4-6-20-23)	AA
OHIO—Conneaut	
Cummins Co., D. (2-8)	B
OHIO—Cortland	
Cortland Canning Co.	C
OHIO—Deahler	
Johnson Canning Co., O. J.	C
OHIO—East Palestine	
Buckeye Canning Co. (2-5-9)	B
OHIO—Hillsboro	
Hillsboro Canning Co. (Mc-	
Keehan-Heistand Grocery	

CANNED GOODS (Con.)	
Co., Props.) (2).....A	
OHIO—Jeffersonville	
Jeffersonville Canning Co.	
(4-6).....B	
OHIO—Lebanon	
Hayner & Co., J. M. (5)....B	
OHIO—Salem	
McNabob, J. B. (4-6).....B	
OHIO—Smithville	
Weller Co., J. (4-6).....A	
OHIO—Stoutsville	
Sears & Co., C. E. (Br. Cir-	
cleville) (5).....AA	
OHIO—Toledo	
East Toledo Canning Co....C	
International Canning Co.	
(1-2-16).....B	
OHIO—Urbana	
McCoy Canning Co. ....A	
OHIO—Wooster	
Wooster Preserving Co. (4-	
6).....B	
OHIO—Xenia	
Xenia Canning Co. ....B	
OREGON—Astoria	
Alaska Fisherman's Packing	
Co. ....B	
Booth Packing Co., A. (12)	
AAAA	
Columbia River Packers'	
Assn. ....AA	
Columbia River Packing Co.	
B	
Elmore Packing Co. (12) B	
Elmore & Co., Saml. (12)	
AA	
Kinney, M. J. (12) .....A	
Schmidt & Co., S. (2)....A	
Tallant-Grant Packing Co.	
(12).....A	
OREGON—Florence	
Kyle & Sons, W. (12)....A	
OREGON—Gardiner	
Umpqua Packing Co. (S. El-	
more & Co., Props.) (12)	
AA	
OREGON—Garibaldi	
Elmore Packing Co. (12)....B	
OREGON—Lutjens	
Elmore & Co., S. (12) ....AA	
OREGON—Nehalem	
Nehalem Packing Co. (12)....A	
OREGON—Portland	
Barnes, F. C. (12) .....B	
Cook Packing Co., J. W. &	
V. (12) .....AA	
Kelley-Clarke Co. (Brokers)	
A	
Warren Packing Co. (20)....A	
OREGON—The Dalles	
Senfert Bros. Co. (12)....A	
The Dalles Packing Co. (6)	
C	
OREGON—Warrendale	
McGowan & Sons, P. J. (12)	
A	
Warren, F. M. (12) .....A	
OREGON—Wedderburn	
Hume, R. D. (12) .....AA	
OREGON—Yaquina	
Barnes, F. C. (12) .....B	
PA.—Bryanville	
McCourtney & Fulton (4-6)	
B	
PA.—Lawrenceville	
Perkins & Burnham (6) ..A	
PA.—Littletown	
Schrivver & Co., B. F. ....A	
PA.—North East	
North East Preserving Wks.	
(Fink & McLaughlin,	
Props.) .....A	
United States Canning Co.	
(Br. Buffalo, N. Y.) ....AA	
PA.—Philadelphia	
Armstrong Co., J. K., 23 S.	
Front (Brokers) .....A	
Comly, Flanigen & Co., 118	
S. Del. Av. ....AA	
Githens, Rexamer & Co., 40	
S. Front .....AA	
Levins' Sons, S. H., 238 N.	
Del. Av. ....AA	
Miller & Co., Chas. C., 125	
S. Water (Brokers).....C	
Neff & Co., R. K., 106 S.	
Del. Av. (2) .....B	
Ritter Conserve Co., Philip	
J., 2156 E. Dauphin ...A	
Roberts & Co., Thos., 116	
S. Front .....AAA	
Yost & Co., J. C., 223 N.	
CANNED GOODS (Con.)	
Water (6) .....A	
PA.—Pittsburg	
Pressing & Orr, Mononga-	
hela Bk. Bldg. (Bkrs.)..A	
Voskamp Sons', B. H., 1011	
Liberty Av. ....AA	
Woodruff Co., W. W., 1147	
Penn. Av. (Brokers)....B	
PA.—Scranton	
Porter Co., J. T. ....A	
PA.—Venango	
Venango Valley Canning Co.	
B	
S. C.—Bluffton	
Lowden, Geo. W. (6-11)....B	
S. C.—Waverly Mills	
Breslauwer, Lachicotte & Co.	
(4-11-13-14-20) .....C	
TENN.—Memphis	
Bacigalupo & Sawtelle ...B	
Baldwin, Knowlton & Lake	
A	
TENN.—Oak Grove	
Oak Grove Canning Co. (1-	
2-3-7-8-16-18) .....B	
TEXAS—Jacksonville	
Jacksonville Fruit & Can-	
ning Co. (2-3-7-9-18-21)....C	
TEXAS—Lindale	
Lindale Canning Co. ...C	
UTAH—Brigham City	
Brigham City Canning Co.	
(2).....C	
UTAH—Ogden	
Wasatch Orchard Co. (1-2-3-	
6-8-9-17-18) .....A	
VT.—Brattleboro	
Snowflake Canning Co. (5)	
O	
VT.—Essex Junction	
Baxter & Bro., H. C. ....A	
VT.—Island Pond	
Loggie, A. & R. ....A	
VT.—Northfield	
Payson & Co., R. C. (5)....C	
VT.—St. Albans	
Payson & Co., R. C. (5)....C	
VT.—Westminster	
Baxter & Bro., H. C. (4-10)	
A	
VT.—Windsor	
Baxter & Bro., H. C. (4-10)	
A	
VA.—Alexandria	
King & Son, Chas. (2) ...A	
VA.—Atlantic	
Atlantic Oyster Co. ....C	
VA.—Boons Mill	
Taylor & Noell .....C	
VA.—Buena Vista	
Dickinson & Nininger (2-3-	
5-18) .....B	
VA.—Chatham	
Cherry Stone Canning Co....A	
VA.—Chincoteague Island	
Bunting, J. W. (14) ....B	
Whealton & Bro., J. D. (11)	
A	
VA.—Daleville	
Mininger, B. F. (6) .....C	
VA.—Fleet	
Huff Bros. ....B	
VA.—Hampton	
Armstrong Bros. (11) ....B	
McMenamin & Co. (Devilled	
Crabs) .....B	
VA.—Houston	
Halifax Canning Co. ....B	
VA.—Kilmarnock	
Eubank & Noblett .....C	
VA.—Marsh Market	
Accomack Canning House..A	
VA.—Mundy Point	
Courtney, L. W. ....B	
VA.—Norfolk	
Atwood & Co., D. (Br.)....C	
Barnes, J. E. (11) .....B	
Crosby & Co., W. J. (11)....B	
Fensterstein & Co. (11)....C	
Hemingway Packing Co. (4-	
6) .....C	
Higgins & Co., R. R. (11)....C	
White & Co., J. T. (11)....B	
VA.—Portsmouth	
Fleming, J. H. (11) ....C	
Wainwright & Son, J. O.	
(11) .....C	
VA.—Roanoke	
Nalls, C. M. (2-4-6) .....C	
VA.—Springwood	
Penna. Canning Co. ....C	
VA.—Suffolk	
McAnge & Co., W. N. (4-	



**CANNED GOODS (Con.)**

14-19) .....O  
**VA.—Urbana**  
 Hurley, J. W. (Rappahan-  
 nock Packing Co.) (2-11-  
 20) .....C  
**Nelson & Davis Co.** (2-8).....O  
**VA.—Wheaton**  
 Coulbourn Bros. (11) ....C  
**VA.—White Stone**  
 Saunders, R. M. ....O  
**WASH.—Aberdeen**  
 Gray's Harbor Packing Co.  
 (12) .....B  
**WASH.—Anacortes**  
 Alaska Packers' Assn. (12)  
 AAAAA  
**Fidelgo Island Canning Co.**  
 (12) .....A  
**WASH.—Bellingham**  
 Carlisle Packing Co. ....B  
**WASH.—Blaine**  
 Alaska Packers' Assn. (Br.)  
 (12) .....AAAA  
**Cook Packing Co., J. W. V.**  
 (12) .....AA  
**Pacific Packing & Naviga-  
 tion Co.** (12) .....AAAA  
**WASH.—Brookfield**  
 Megler & Co., J. G. (12) ..B  
**Pillar Rock Packing Co.** (12)  
 B  
**WASH.—Cathlamet**  
 Warren, F. M. (12) .....A  
**WASH.—Chinook**  
 McGowan & Sons, P. J. (12)  
 A  
**WASH.—Eagle Cliff**  
 Hume, Wm. ....AA  
**WASH.—Friday Harbor**  
 Pacific American Fisheries  
 Co. (12) .....AA  
**WASH.—Ilwaco**  
 Aberdeen Packing Co. (12)  
 A  
**WASH.—McGowan**  
 McGowan & Sons, P. J.  
 (12) .....A  
**WASH.—Port Angeles**  
 Manhattan Packing Co. (12)  
 O  
**WASH.—Port Townsend**  
 Port Townsend Packing Co.  
 (12) .....B  
**WASH.—Seattle**  
 Balfour, Guthrie & Co. (Ex-  
 porters) .....AAAA  
**Chlopeck Fish Co.** .....C  
**Kelley-Clarke Co. (Bkrs.)** A  
**San Juan Fish & Packing**  
**Co.** (12) .....B  
**WASH.—Semiahmoo**  
 Alaska Packers' Association  
 AAAAA  
**WASH.—South Bend**  
 Barnes, F. C. (12) .....B  
**McGowan & Seaborg** (12) A  
**WASH.—Spokane**  
 Kelley-Clarke Co. (Bkrs.) A  
**WASH.—Tacoma**  
 Alaska Fish & Packing Co.  
 B  
**Balfour, Guthrie & Co.**  
 AAAAA  
**Kelley-Clarke Co. (Bkrs.)** A  
**Union Packing Co. (Fish)** A  
**W. VA.—Martinsburg**  
 Rothwell-Lovett Co. (2) ...B  
**W. VA.—Sir Johns Run**  
 Mendenhall, M. J. (2-3-7-18)  
 O  
**W. VA.—Wheeling**  
 Baer Grocer Co. (2) .....A  
**Flaccus Bros.** .....A  
**Flaccus Co., E. C.** .....C  
**McMechen & Sons' Co., G.**  
**K.** .....A  
**WIS.—Algoma**  
 Algoma Packing Co. (9) A  
**WIS.—Appleton**  
 McMurray Packing Co., L.  
 (3-5-9-25-26) .....B  
**WIS.—Cassville**  
 Klindt-Geiger Canning Co.  
 (4) .....A  
**WIS.—Eau Claire**  
 Lange Canning Co. (5-8-9-  
 16) .....C  
**WIS.—Green Bay**  
 Larsen & Co., Wm. ....A  
**WIS.—Janesville**  
 Hohenadel & Co., P., Jr. ...A  
**WIS.—Keweenaw**  
 Seyk & Co., W. (9) .....B

**CANNED GOODS (Con.)**

**WIS.—Manitowac**  
 Landreth Co., A. (9) .....B  
**Manitowac Pea Packing**  
**Co. (9)** .....B  
**WIS.—Markesan**  
 Markesan Canning Co. (2-5)  
 B  
**WIS.—Medford**  
 Medford Pea Canning Co.  
 (9) .....O  
**WIS.—Oconto**  
 Oconto Canning Co. (9) ...C  
**WIS.—Ripon**  
 Ripon Packing Co. (2-6) ..C  
**WIS.—Sauk City**  
 Sauk City Canning & Pack-  
 ing Co. (4-6-9) .....C  
**WIS.—Sturgeon Bay**  
 Reynolds Preserving Co. (9)  
 B  
**WIS.—Two Rivers**  
 Vaudreuil Canning Co., E.  
 J. (3-9) .....B  
**WIS.—Waukesha**  
 Waukesha Canning Co. (1-  
 2-3-5-8-9-16-25) .....B

**CANNON**

**CONN.—Cromwell**  
 Stevens Co., I. & E.  
 (Yacht) .....A  
**CONN.—Middletown**  
 Wilcox, Crittenden & Co.  
 (Yacht) .....A  
**CONN.—New Haven**  
 Brown & Co., E. H.  
 (Yacht) .....B  
**Snow, L. T. (Yacht)** ...D  
**MASS.—Springfield**  
 Barney & Berry (Yacht) AA  
**New York City**  
 Naval Electric Co., 93 Lib-  
 erty (Cadet Corps) .....D  
**PA.—Freemansburg**  
 Shimer Son & Co., Wm.  
 (Brass; Iron; Paper Cap)  
 B  
**PA.—Lancaster**  
 Hubley Mfg. Co. (Yacht) A  
**PA.—Philadelphia**  
 Schoenhut & Co., A. (Wood-  
 en Toy) .....A

**CANOE**

See also Boats

**DEL.—Wilmington**  
 Drein & Son, Thos. Sailing;  
 Paddling; Metallic) ...B  
**MAINE—Old Town**  
 Carleton Bout & Canoe Co.  
 (Birch Bark; Canvas Cov-  
 ered) .....E  
**MASS.—Boston**  
 Sheldon Co., Orin (Sailing;  
 Paddling) .....D  
**MASS.—Rowley**  
 Mather & Co., C. B. (Sail-  
 ing; Paddling) .....E  
**MASS.—Westfield**  
 Crane Bros. (Linenold Seam-  
 less) .....AAA  
**N. Y.—Canton**  
 Rushton, J. H. (Sailing;  
 Paddling) .....F  
**N. Y.—Skaneateles**  
 Skaneateles Boat & Canoe  
 Co. (Sailing; Paddling) F

**CANOPIES**

See also Awnings

**CONN.—Middletown**  
 Palmer, I. E. (Mosquito)  
 AAA  
**ILL.—Chicago**  
 Eastern Metal Wks., 57 N.  
 Clark (Theatre) .....F  
**MISS.—Meridian**  
 Acme Canopy Co. (Mosquito  
 Bar) .....E  
**New York City**  
 Gage, John S., 510 Bway.  
 (Mosquito) .....E  
**OHIO—Springfield**  
 Springfield Tent & Awning  
 Co. (Boat; Hammock) ..D  
**OHIO—Troy**  
 Troy Carriage Sun Shade Co.  
 (Carriage) .....B

# CANS

**CAL.—San Francisco**  
 American Can Co., 214 Mission (Tin; Fruit, &c.) .....A  
 Bartlett Paper Can & Box Co. (Paper) .....E  
 Tay Co., G. H., 49 1st (Tin; Fruit, &c.) .....A  
 Union Can Co. of San Francisco, 1107 Front (Tin; Fruit, &c.) .....A  
**CONN.—Bridgeport**  
 American Tube & Stamping Co. (Oil; Paint; Varnish) .....A  
**CONN.—Hartford**  
 Stirling Blower & Pipe Mfg. Co. (Ash; Garbage; Galvanized Iron; Ice; Waste) .....B  
**CONN.—Waterbury**  
 Noera Mfg. Co. (Oil) .....B  
**DEL.—Elamere**  
 Diamond State Fibre Co. (Roving) .....B  
**DEL.—Wilmington**  
 American Vulcanized Fibre Co. (Roving) .....A  
**ILL.—Arlington Heights**  
 Bray & Kates (Tin; Fruit, &c.) .....C  
**ILL.—Chicago**  
 Adams & Westlake Co., Ontario & No. Franklin (Oil) .....A  
 American Can Co., 135 Adams (Tin; Fruit, &c.) .....A  
 American Key Can Co., Marquette Bldg. (Tin; Fruit, &c.) .....B  
 Chicago Paper Tube & Can Co., 20 No. May (Paper) .....G  
 Norton Bros., Masonic Temple (Tin; Fruit; Oil; Baking Powder; Grease; Oyster; Paint; Varnish; Syrup; Tea; Coffee; Spice) .....A  
 Ritchie & Co., W. C. (Paper) .....A  
 Sturgis & Burn Mfg. Co. (Milk; Sprinkling) .....A  
 French & Co., D. G., 42 River (Tin; Fruit, &c.) .....C  
 Union Stock Yards Can Co., 225 N. Franklin (Meat) .....A  
 Wilson Co., F. Cortez (Oil; Water; Benzine; Jacket) .....A  
**ILL.—Chicago Heights**  
 Parish & Co., Chas. P. (Oil) .....B  
**ILL.—Evanston**  
 Mark Mfg. Co. (Oil) .....A  
**ILL.—Gibson City**  
 Gibson Novelty Wks. (Oil) .....E  
**ILL.—Hoopston**  
 American Can Co. (Tin; Fruit, &c.) .....A  
**ILL.—Litchfield**  
 Bumann Mfg. Co. (Oil) .....D  
**ILL.—Quincy**  
 Quincy Stamping Co. (Powder) .....C  
**ILL.—Rockford**  
 Palmer Co., H. H. Creamery) .....D  
 Rockford Can Co. (Tin; Fruit; Oil; Galvd. Iron; Wooden Jacket Tin) .....C  
**IND.—Indianapolis**  
 American Can Co. (Tin; Fruit, &c.) .....A  
 Duckwall, J. S. (Tin; Fruit, &c.) .....D  
**IND.—Marion**  
 Marion Fruit Jar & Bottle Co. (Glass; Oil) .....A  
**IND.—Upland**  
 Upland Co-operative Glass Co. (Oil) .....C  
**IND.—Wabash**  
 Wabash Baking Powder Co. (Tin; Fruit, &c.) .....B  
**IOWA—Des Moines**  
 Iowa Can Co. (Tin; Tea; Coffee; Spice) .....D  
**IOWA—Glenwood**  
 New Glenwood Can Co. (Tin;

**CANS (Con.)**  
 Fruit, &c.) .....C  
**IOWA—Keokuk**  
 Tri-State Can Co. (Tin; Fruit, &c.) .....B  
**KY.—Louisville**  
 Hammock Oil Can Co. (Oil) .....F  
 Vogt Machine Co., Hy. (Artificial Ice) .....A  
**LA.—New Orleans**  
 Gulf Mfg. Co. (Tin; Sample Sugar) .....B  
 New Orleans Roofing & Metal Wks. (Galvd. Ice) .....B  
**MD.—Baltimore**  
 Amer. Can Co., Oak & 26th (Tin; Fruit; Oil) .....A  
 Baltimore Can Mfg. Co. (Tin; Fruit, &c.) .....C  
 Columbia Specialty Co., 1508 E. Fayette (Baking Powder; Cement; Confect.; Metal Polish; Snuff; Spice; White Lead) .....E  
 Consumers Can Co., 1015 Fawn (Tin; Fruit, &c.) .....D  
 Falt & Co., Wm., Jr., Boston & Patuxent (Tin; Fruit, &c.) .....A  
 Grecht & Co., W., 1316 So. Sharp (Tin; Fruit, &c.) .....C  
 Kirwan & Riggs (Tin; Fruit, &c.) .....C  
 McGinnis, Jas. Co., 702 Canton Av. Ext. (Tin; Fruit, &c.) .....D  
 Norton Tin Plate & Can Co. (Fruit; Oyster; Vegetable) .....A  
 Smith Can Co., R. Tynes (The) (Tin; Fruit, &c.) .....A  
 Southern Can Co., 2121 Boston (Tin; Fruit; Vegetable; Coffee; Baking Powder) .....C  
 Summers Co., Chas. G., 415 W. Camden (Tin; Fruit, &c.) .....C  
 Shirkel Can Co. (Paint & Putty) .....C  
**MD.—Federalburg**  
 Messenger, H. B. (Tin; Fruit, &c.) .....D  
**MD.—Havre de Grace**  
 Seneca, Jessup (Tin; Fruit, &c.) .....A  
**MASS.—Boston**  
 American Can Co., 9 Binford (Tin; Fruit, &c.) .....A  
 Gray, Peter, 12 Marshall (Oil) .....D  
 New Can Co., 43 Purchase (Paper) .....D  
**MICH.—Detroit**  
 American Can Co., Russell & Twombly Av. (Tin; Fruit, &c.) .....A  
 Briscoe Mfg. Co. (Oil) .....A  
 Buhl Stamping Co. (Milk; Creamery) .....A  
 Buhl Sons & Co., 103 Woodbridge W. (Tin; Fruit, &c.) .....A  
 Buhl Stamping Co. (Ice Cream) .....E  
 Detroit Paper Tube & Can Co., 26 Griswold (Paper) .....E  
 Gem Fibre Package Co., Clay & St. Aubin (Paper, for Butter, Lard, Coffee, Spice, &c.) .....C  
 National Can Co. (Baking Powder) .....A  
**MICH.—Jackson**  
 Jackson Paper Tube Co. (Paper) .....H  
**MO.—Kansas City**  
 Ritzler Cornice & Ornamental Co. (Ice) .....D  
**MO.—St. Louis**  
 American Can Co., Branch & Hall (Tin; Fruit, &c.) .....A  
 Blanke Can & Mfg. Co., W. F., 116 Pine (Tin; Fruit) etc) .....C  
 Columbia Can Co., Madison & 1st (Tin; Fruit, &c.) .....C

**CANS (Con.)**  
 Handlan-Buck Mfg. Co., 212  
 No. 3d (Oil).....AA  
 Ruemmel-Dawley Mfg. Co.  
 (Ice).....AA  
 St. Louis Paper Can & Tube  
 Co. (Paper).....B  
 Schluter Mfg. Co., 3116 No.  
 9th (Tin; Fruit, &c.)...D  
**N. H.—Keene**  
 Impervious Package Co.  
 (Tin; Fruit, &c.; Oil;  
 Wooden Oil).....B  
**N. H.—Nashua**  
 White Mountain Freezer  
 Co. (Ice Cream).....A  
**N. J.—Bridgeton**  
 Ayars & Sons Co., Benj. B.  
 (Tin; Fruit, &c.).....C  
**N. J.—Burlington**  
 Stewart & Peterson Co.  
 (Faucet; Ice Cream)...A  
**N. J.—Newark**  
 Garrison Mfg. Co., W. C.  
 (Tin; Fruit, &c.).....B  
**Pimley, J. E. (Oil).....F**  
**N. J.—New Brunswick**  
 Consolidated Fruit Jar Co.  
 (Oil).....AAA  
**N. Y.—Albany**  
 Hoy & Co., 25 Green (Oil) .A  
**N. Y.—Belfast**  
 Tanner Bros. Mfg. Co. (Tin;  
 Fruit, &c.).....D  
**N. Y.—Brooklyn**  
 Deverall Perfection Mfg.  
 Co., 38 Bridge (Oil)....D  
 Lecomte Mfg. Co., J., 92  
 3d (Tin; Fruit, &c.)....C  
 Mersereau Mfg. Co., 3d Av.  
 & 3d (Tin; Fruit, &c.)...A  
 Somers Bros. (Decorated  
 Tin).....AAAA  
 Vogel Bros., Wm., 47 S.  
 9th (Oil; Aniline)...AA  
**N. Y.—Buffalo**  
 Buffalo Tin Can Co., 1430  
 Niagara (Tin; Fruit, &c.) B  
 Fedders Mfg. Co. (Oil; Ice  
 Cream; Packing).....F  
 Niagara Machine & Tool  
 Superior & Randell (Tin;  
 Fruit, &c.).....A  
 Shepard Co., Sidney, 191  
 Clinton (Tin; Fruit; Ash;  
 Oil; Milk; Water; Cream-  
 ery; Jacket; Storage Oil;  
 Garbage; Dredge; Spice)  
 AAAA  
 Wright & Co., R. G., 52  
 Terrace (Tin; Fruit, &c.;  
 Glass Oil).....AA  
**N. Y.—Cattaraugus**  
 Oakes & Burger (Milk).AA  
**N. Y.—Cuba**  
 Bates Mfg. Co., W. A.  
 (Oil).....C  
**N. Y.—Elmira**  
 Elliott & Peake (Oil) ....G  
**N. Y.—Fort Plain**  
 Yerdon, W. (Tin; Fruit;  
 Oil).....C  
**New York City**  
 American Can Co., 11 Broad-  
 way (Every Description)  
 AAAA  
 Central Stamping Co.  
 (Creamery).....AA  
 Clowes & Co., T. H., 70  
 Maiden Lane (Varnish).D  
 Crandall & Godley Co., 157  
 Franklin (Ice Cream;  
 Tin).....A  
 Empire Paper Tube & Box  
 Co. (Paper).....E  
 Fibre Mfg. Co., 303 Canal  
 (Roving).....D  
 Ginna & Co. (Tin; Fruit,  
 &c.).....AA  
 Hall Mfg. Co., 40 Cort-  
 landt (Oil).....F  
 Hoe & Co., R. (Benzine)  
 AAAA  
 Howard & Morse, 45 Fulton  
 (Ash; Garbage; Waste).D  
 Iron Clad Mfg. Co. (Ash;  
 Mill; Ice Cream; Milk;  
 Oil; Garbage; Creamery;  
 Storage Oil).....AAAA  
 Knapp Mfg. Co. (Oil).....E  
 Koven & Bro., L. O., 50  
 Cliff (Oil; Garbage)...A  
 Lalance & Grosjean Mfg.

**CANS (Con.)**  
 Co. (Milk; Creamery)  
 AAAA  
 Manhattan Brass Co., 1st  
 Av. & E. 28th (Engineers'  
 Oil; Machinists' Oil).AA  
 Novelty Iron Bridge & Roof  
 Co., 39 Cortlandt (Ash;  
 Garbage).....B  
 Nason Mfg. Co. (Engineers'  
 Oil; Machinists' Oil)...A  
 North Star Ash Can Co., 140  
 Chrystie (Steel Ash)...H  
 Reilly Bros. (Oil; Paint;  
 Varnish; Tin).....D  
 Shepard Co., Sidney, 21  
 Cliff (Tin; Fruit; Oil)  
 AAAA  
 Standard Mfg. Co. (Ash).X  
 Stoutenborough, X. (Galvan-  
 ized Ash).....D  
**N. Y.—Rochester**  
 Rochester Automatic Oiler  
 & Supply Co. (Oil).....E  
**N. Y.—Troy**  
 Hart Specialty Co., C. W.  
 (Oil).....A  
 Parks & Parks (Oil).....D  
 Troy Stamping Wks. (Oil)  
 AAAA  
**N. Y.—Utica**  
 Jones, Frank L. (Creamery)  
 C  
 Millar & Son Co., C. (Milk)  
 AA  
**N. Y.—Whitestone**  
 Norton Can Co. (Tin; Fruit,  
 &c.).....A  
**OHIO—Akron**  
 Akron Mfg. Co. (Oil).....E  
**OHIO—Canton**  
 Berger Mfg. Co. (Oil)...AA  
**OHIO—Cincinnati**  
 American Can Co., Union  
 Trust Bldg. (Tin; Fruit,  
 &c.).....AAAA  
 Davenport Paper Box Co.  
 (Paper).....D  
 Heekin Can Co., 3d & Lock  
 (Tin; Fruit, &c.).....A  
 Klechler Mfg. Co., Linn &  
 Everett (Artificial Ice).C  
 Triumph Ice Machine Co.,  
 610 Baymiller (Artificial  
 Ice).....A  
**OHIO—Cleveland**  
 Hunt Stamping Wks., H. B.  
 (Gasoline; Oil).....D  
 Hunt & Dorman Mfg. Co.  
 (Oil).....AAAA  
**OHIO—Columbus**  
 American Can Co. (Tin;  
 Fruit, &c.).....AAAA  
**OHIO—Dayton**  
 American Can Co. (Tin;  
 Fruit, &c.).....AAAA  
 New Century Mfg. Co. (Tin;  
 Self Measuring Oil)...C  
**OHIO—Delphos**  
 Delphos Can Co. (Oil)....C  
**OHIO—Greenfield**  
 Harps Mfg. Co., J. A. (Al-  
 cohol; Benzine; Gasoline;  
 Turpentine; Witch Hazel)  
 C  
**OHIO—Kings Mills**  
 Wilson, McClelland & Co.  
 (Tin; Powder).....D  
**OHIO—Niles**  
 Ohio Galvanizing & Mfg. Co.  
 (Artificial Ice; Street  
 Cleaning).....B  
**OHIO—Salem**  
 Clark Co., W. J. (Mill; Ro-  
 tary Oil; Oily Waste;  
 Ash; Garbage; Waste)...B  
**OHIO—Tiffin**  
 Ohio Lantern Co. (Oil;  
 Wire-Cushioned).....B  
**OHIO—Toledo**  
 Brown Oil Can Co. (Oil).D  
 Snell Cycle Fittings Co.  
 (Oil).....B  
 Standard Oil Can Co. (Oil)  
 E  
**OHIO—Urbana**  
 Johnson Mfg. Co. (Engine  
 Oil).....D  
**OHIO—Warren**  
 Winfield Mfg. Co. (Oil;  
 Gasoline).....A  
**OREGON—Astoria**  
 American Can Co. (Tin)  
 AAAA

**CANS (Con.)**  
**PA.—Allegheny**  
Sands Mfg. Co. (Oil).....G  
Wall Mfg. Supply Co., P.  
(Oil).....G  
**PA.—Easton**  
Canister Mfg. Co. (Tin Can-  
isters for Coffee, Spices &  
Cereals).....A  
**PA.—Harrisburg**  
Harrisburg Pipe & Pipe  
Bending Co. (Ltd.) (Gal-  
vanized Iron Ice).....AA  
**PA.—Meadville**  
Beman Automatic Oil Can  
Co. (Ltd.) (Oil).....E  
**PA.—Morrell**  
Union Furnace Mfg. Co.  
(Oil).....D  
**PA.—Philadelphia**  
American Can Co., 251 No.  
Front (Tin; Fruit, &c.)  
AAAA  
Clad & Sons, Valentine  
(Ice Cream).....B  
Hero Fruit Jar Co., Gaul &  
Adams (Oil).....AA  
Hocker Co., G. H., 1844 So.  
Comac (Paint; Putty)....D  
Pfeifer & So. (Ltd.), Jno.  
(Ash).....A  
Reid, A. H. (Milk).....A  
**PA.—Pittsburg**  
Dunlap Co., Jno. (Tin;  
Fruit; Paint; Varnish)....A  
Gem Mfg. Co. (Oil).....D  
McClintock & Irvine (Oil)....B  
National Glass Co. (Glass)  
X  
Scaife & Sons Co., Wm. B.,  
221 First Av. (Ash; Gar-  
bage; Galvanized Iron Ice)  
A  
**PA.—Roxford**  
Diamond Glass Co. (Glass)  
A  
**PA.—Sharpville**  
Jackson, J. W. (Oil).....F  
**PA.—York**  
Eureka Oil Can Co. (Oil)....B  
E. I.—Providence  
Hill Mfg. Co., Jas. (Tin for  
Lard. &c.; Dye House;  
Roving; Galvanized Ash;  
Garbage).....B  
New England Ventilating &  
Heating Co., Manhattan  
Av. (Mill; Roving).....D  
**TENN.—McKenzie**  
Walpole Can Co. (Tin; Oil)  
H  
**VT.—Bellows Falls**  
Vermont Farm Machine Co.  
(Milk).....C  
**VT.—Rutland**  
Steward, L. & J. A. (Tin  
for Food Products).....D  
**VA.—Richmond**  
American Can Co. (Tin;  
Fruit, &c.).....AAAA  
Richmond Cedar Wks.  
(Ltd.) (Wooden Water)  
AAAA  
**VA.—Roanoke**  
Good & Co., D. Wm.  
(Bkrs. Tin; Fruit, &c.)....D  
Nalls, C. M. (Tin; Fruit,  
&c.).....C  
**W. VA.—Wheeling**  
Wheeling Can Co. (Tin for  
Packers).....B  
Wheeling Stamping Co.  
(Oil).....A  
**WIS.—Fort Atkinson**  
Cornish, Curtis & Greene  
(Refrigerator).....A  
**WIS.—Milwaukee**  
Cream City Can Wks. (Tin;  
Fruit, &c.).....D  
Wallman Mfg. Co. (Ship-  
ping; Square Varnish)....E  
Walsh & Co., F. A. (Tin;  
Fruit, &c.).....A  
**WIS.—Racine**  
Racine General Mfg. Co.  
(Oil).....C  
Racine Malleable & Wrought  
Iron Co. (Oil).....B  
**WIS.—Two Rivers**  
Aluminum Mfg. Co. (Oil)....B

**CANTEENS**  
**IND.—Indianapolis**  
Seiner, Chas. F., 122 E. 32d

**CANTEENS (Con.)**  
(Miners').....E  
**IOWA—Ottumwa**  
Hardsocg Mfg. Co. (Gold  
Miners').....B  
**MO.—St. Louis**  
Hemp & Co. (Galvanized). A  
N. Y.—Troy  
Troy Stamping Wks. (Army)  
AAAA  
**WIS.—Racine**  
Gold Medal Camp Furn. Mfg.  
Co. (Water Cooling)....B

**CANTHA-  
RIDES**  
**New York City**  
Hopkins & Co., J. L., 100  
William.....A  
McKesson & Robbins AAAA  
Schieffelin & Co. ....AA

**CANTHOOKS**  
**ILL.—Chicago**  
Klein & Son, M., 87 W. Van  
Buren .....A  
**ILL.—Downers Grove**  
Dickle Tool Co. ....O  
**IND.—Columbus**  
Columbus Handle & Tool Co.  
B  
**IND.—Indianapolis**  
Atkins & Co., E. C. ....AAA  
**LA.—New Orleans**  
Simonds Mfg. Co. ....B  
**MAINE—Bangor**  
Bangor Edge Tool Co. ....D  
**MASS.—Boston**  
Boston & Lockport Block  
Co., 160 Com'l .....A  
**MICH.—Detroit**  
Anderson & Sons, W. H. ....C  
**MICH.—Ewart**  
Champion Tool & Handle  
Works .....A  
**MO.—St. Louis**  
Zelnicker, W. A., 408 N. 4th  
O  
**OHIO—Canton**  
Canton Saw Co. ....D  
Knight Mfg. Co. ....E  
**OHIO—Cleveland**  
Gerlach & Co., Peter ....B  
**OHIO—Columbus**  
Buckeye Saw Mfg. Co., 285  
Water .....D  
**PA.—Eldred**  
Prouty & Co., C .....A  
**PA.—Erie**  
Standard Saw Mill Machin-  
ery Co. ....C  
**PA.—Philadelphia**  
Keystone Drop Forge Co., 20  
20th and Clearfield ....B  
**PA.—Pittsburg**  
Roberts, George, 1st and  
Liberty .....F  
**WIS.—Oshkosh**  
Oshkosh Logging Tool Co.  
C  
Sanford Logging Tool Co.  
..D

**CANTILEVERS**  
**New York City**  
Lancaster Co., Jas. H., 26  
Cortlandt (Dredging) X

**CANVAS**  
See also Duck  
**ILL.—Chicago**  
Dietzgen Co., Eugene (Ar-  
tists').....A  
**N. J.—Bloomfield**  
Wiggins Sons Co., H. B.  
(Ceiling; Wall) .....A  
**N. J.—Tenafly**  
Richter Mfg. Co. (Decora-  
tive Burlap) .....C  
**New York City**  
Boyle & Co., John, 112 Duane  
Chelsea Jute Mills .....A  
F. W. Devoe & C. T. Ray-  
nolds Co. (Artists).....A  
Rehm & Co., 141 Fulton..D  
**PA.—Philadelphia**  
Weber & Co., F. (Artists';  
Pastel, also Paper and  
Boards) .....A

**CANVAS (Con.)**  
**W. VA.—Wheeling**  
 Wheeling Tent & Awning Co.  
 (Show; Steamboat) ....F

## CAPERS

**ILL.—Chicago**  
 Carr & Carr, 211 E. 57th..E  
 Wolff & Sons, M., 218 W.  
 Lake .....C  
**New York City**  
 Alart & McGuire, 70 Madl-  
 son .....A  
 Falcon Packing Co., 158  
 Franklin .....C  
 Gordon & Dilworth, 563  
 Greenwich .....A  
 Greenwich Packing Co., 462  
 Greenwich .....E  
 Gulden, Chas., 46 Elizabeth  
 AA  
**LaManna, Azema & Farnam**  
 897 Wash. ....B  
**McGos & Co., 171 Duane**...A  
**Strohmeyer & Arpe Co., 33**  
 Water .....A  
**PA.—Philadelphia**  
 Alart & McGuire, 126 Cuth-  
 bert .....A  
 Chance's Sons, R. C., 433  
 Spruce .....C  
**W. VA.—Wheeling**  
 McMechan & Son Co.....B

## CAPEs

See Clothing; Ladies<sup>h</sup>

## CAPITALS

See also Woodwork

**ILL.—Chicago**  
 Hartmann, Jno., 13 N. Jeff.  
 (Composition) .....E  
 Plastic Relief Mfg. Co., 298  
 N. Halsted (Composition) C  
**MASS.—Boston**  
 Emmel, Chas., 383 Albany  
 (Composition) .....B  
 Stearns Lumber Co., A. T.  
 Neponset & Devonshire  
 (Paper Mache) .....AA  
**N. Y.—Brooklyn**  
 Hellman, R., 207 State  
 (Composition) .....E  
**N. Y.—Syracuse**  
 Harnisch, Ad. (Composition) E  
**OHIO—Madisonville**  
 Florentine-Wilhelm Co.  
 (Porch) .....B  
 Spangler, Frank, 323 Lafay-  
 ette (Composition) ....D

## CAPPERS

**ILL.—Chicago**  
 Redlich Mfg. Co., 2 Oak  
 (Bottle) .....B  
**ILL.—Downers Grove**  
 Dicke Tool Co. (Bottle) ...A

## CAPS

For Percussion Caps, see al-  
 so Primers; See also Hats  
 & Caps.

**CAL.—San Francisco**  
 California Cap Co. (Blast-  
 ing) .....A  
 Landsberger Co., J. A., 108  
 Market (Fruit Jar) ....C  
**CONN.—Bridgeport**  
 Bridgeport Brass Co. (Var-  
 nish Can) .....AAA  
 Drouve Co., G. (Door; Win-  
 dow Metal) .....C  
 Union Metallic Cartridge Co.  
 (Percussion) .....AAA  
**CONN.—Meriden**  
 Manning, Bowman & Co.  
 (Bottle) .....AAAA  
**CONN.—New Britain**  
 Union Mfg. Co. (Hitching  
 Post) .....AA  
**CONN.—New Haven**  
 New Haven Button Co.  
 (Whisk Broom) .....E  
**CONN.—Waterbury**  
 Waterbury Brass Co. (Per-

**CAPS (Con.)**  
 cussion) .....AAAA  
**ILL.—Chicago**  
 Illinois Malleable Iron Co.,  
 30 W. Monroe (Hitching  
 Post; Hose) .....AAAA  
**ILL.—Warren**  
 Warren Steel Co. (Door)...D  
**IND.—Evansville**  
 Bernardin Bottle Cap Co.  
 (Bottle) .....B  
**IND.—Indianapolis**  
 Bavior Mfg. Co. (Bottle;  
 Jar) .....D  
**IND.—New Albany**  
 Goetz Box Anchor Co. (Jolt,  
 Anchor; Timber).....E  
**KANS.—Emporia**  
 Emporia Foundry & Mach.  
 Wks. (Iron Window) ...D  
**MD.—Baltimore**  
 Ammidon & Co. (Tin Roof-  
 ing) .....A  
**MASS.—Andover**  
 Tyler Rubber Co. (Rubber)  
 AA  
**MASS.—Boston**  
 Van Noorden & Co., E. (Iron  
 Window) .....C  
**MASS.—Cambridge**  
 Hall & Co., Chas. E. (Marble  
 Chimney) .....A  
 Hews & Co., A. H. (Carboy) A  
**MO.—St. Louis**  
 Kupferle John C., 2d and  
 Mound (Hose).....AA  
 Mesker & Bros. (Iron Win-  
 dow) .....AA  
 Pleuger & Henger Mfg. Co.,  
 1015 Herbert (Hose) ..A  
**N. H.—Manchester**  
 Campbell, Jno. (Hitching  
 Post) .....H  
**N. J.—Camden**  
 Sayford Paper Specialties  
 Co. (Paper Bottle) ...F  
**N. J.—Rahway**  
 Cox & Spencer (Paper Bot-  
 tle) .....X  
**N. Y.—Brooklyn**  
 Brass Goods Mfg. Co. (Mu-  
 cilage) .....B  
 Brooklyn Wire Forming Co.,  
 302 Pearl (Incandescent  
 Light) .....G  
 Duvinage & Co., P., 498  
 Leonard (Jolt, Anchor;  
 Timber) .....F  
**N. Y.—Canastota**  
 Smith-Lee Co. (Bottle; Jar)  
 A  
**N. Y.—Lockport**  
 Empire Mfg. Co. (Knee) ..A  
**New York City**  
 Biddle & Westermann (Me-  
 tallic Bottle) .....A  
 Consolidated Fruit Jar Co.,  
 290 B'way (Metallic Bot-  
 tle) .....AA  
 Croke Co., John J. (Bottle)  
 A  
 Cahn & Co., Hugo (Ginger  
 Ale) .....A  
 Detwiller & Street Mfg. Co.,  
 (Percussion) .....A  
 Goodyear's India Rubber  
 Glove Mfg. Co. (Rubber)  
 AAAA  
 Graham & Co., John H., 113  
 Chambers (Hose) .....AA  
 Jackson Co., Wm. H., 29 E.  
 7th (Bronze) .....A  
 Lehmler, Schwartz & Co.  
 (Bottle) .....AA  
 McNab & Harlan Mfg. Co.,  
 56 John (Hose) .....AA  
 Mattson Rubber Co. (Rub-  
 ber, Bathing) .....B  
 Mechanical Rubber Co.  
 (Rubber) .....AAAA  
 Metallic Cap Mfg. Co. (Per-  
 cussion; Blasting).....A  
 Phoenix Cap Co., 108 War-  
 ren (Metal) .....E  
 Rendock Powder Co. (Blast-  
 ing) .....B  
 Witteman Bros. (Bottle)...A  
**N. Y.—Potsdam**  
 Thatcher Mfg. Co. (Paper  
 Milk Bottle) .....A  
**N. Y.—Poughkeepsie**  
 Lane Bros. Co. (Stone Slid-  
 ing Door) .....A  
**N. Y.—Syracuse**  
 Stearns & Co., E. C. (Hitch-

**CAPS (Con.)**  
 ing Post) .....AA  
**OHIO**—Canton  
 Berger Mfg. Co. (Door; Win-  
 dow; Metal) .....AA  
 Kohler & Co., F. E. (Hose).O  
**OHIO**—Cincinnati  
 King Powder Co. (Blasting)  
 AAA  
 Robertson Steel & Iron Co.,  
 W. F. (Tin Roofing) ...A  
**OHIO**—Cleveland  
 Gary Iron & Steel Co. (Door)  
 A  
 Van Dorn Iron Wks. Co.,  
 1793 E. Madison Av.  
 (Joint; Anchor; Timber;  
 Post; Fence Post) ....AA  
**OHIO**—Kenton  
 Champion Iron Co. (Joint;  
 Anchor; Timber) .....AA  
**OHIO**—Salem  
 Clark Co., W. J. (Post) ...B  
 Mullins, W. H. (Iron Win-  
 dow) .....A  
**OHIO**—Tiffin  
 Ohio Lantern Co. (Tin  
 Screw) .....B  
**PA.**—Philadelphia  
 Pancoast Ventilator Co.  
 (Inc.) (Chimney) .....B  
 Philadelphia Truss Co. (Sur-  
 gical Knee) .....X  
 Schoenhut & Co., A (Toy).A  
**PA.**—Scranton  
 Scranton Button Co. (Ltd.)  
 (Bicycle Handle).....A  
**VT.**—Bennington  
 Cooper, Chas. (Surgical  
 Knee) .....B  
**W. VA.**—Wheeling  
 Wheeling Hinge Co. (Bottle;  
 Milk Bottle) .....AA  
 Hazel-Atlas Glass Co. (Vac-  
 uum Jar) .....AAAA  
**WIS.**—Two Rivers  
 Aluminum Mfg. Co. (Alumi-  
 num) .....B

## CAPSICUM

See Tea, Coffee & Spice List

## CAPSTANS

**CAL.**—San Francisco  
 Risdon Iron & Locomotive  
 Wks. ....AAA  
**MAINE**—Bath  
 Hyde Windlass Co. (Power)  
 B  
**MASS.**—Boston  
 Edson Mfg. Co. (Steam;  
 Bar) .....B.  
**MASS.**—Newburyport  
 Russell & Sons, Albert ...C  
**MICH.**—Northville  
 Dubuar Mfg. Co., J. A. (Bar)  
 X  
**MINN.**—Redwing  
 Densmore Bros. (Cavel)...D  
 New York City  
 Starke, Adolph (Est.) 441 E.  
 10th .....B  
**OHIO**—Cleveland  
 Chase Machine Co., 111 Elm  
 (Steam) .....B  
 Rees & Son Co., James  
 (Steam) .....AA  
 Rogers, Charles .....E  
 R. I.—Providence  
 Amer. Ship Windlass Co.  
 (Electric; Horse Power;  
 Yacht; Bar; Crank; Dock;  
 Steam) .....A  
 Providence Steam Engine Co.  
 F

## CAPSULES

**IND.**—Indianapolis  
 Lilly & Co., Eli (Filled).AA  
**MD.**—Baltimore  
 Sharpe & Dohme (Gelatin)  
 AAA  
**MASS.**—Boston  
 Billings, Clapp & Co. (Gela-  
 tine) .....B  
**MICH.**—Detroit  
 Parke, Davis & Co. (Gela-  
 tine; Filled) .....AAAA  
**N. Y.**—Brooklyn  
 Planten & Son, Hy., 93 Hen-  
 ry .....A  
 New York City  
 Planten & Son, H., 224 Wil-  
 ham (Gelatin; Filled)...A

**CAPSULES (Con.)**  
 Schieffelin & Co., W. H.  
 (Gelatin) .....AA  
**OHIO**—Cincinnati  
 Hall Capsule Co. (Gelatin;  
 Filled) .....D  
**PA.**—Allentown  
 Grape Capsule Co. ....C

## CARAMELS

See Confectionery

## CARBINES

See Fire Arms

## CARBON & CARBONS

**IND.**—Peru  
 Peru Electric Mfg. Co. (Bat-  
 tery) .....A  
**MASS.**—Boston  
 Billings, Clapp & Co. (Bi-  
 sulphide) .....B  
**MASS.**—Canton  
 Morse Bros. (Battery & Arc  
 Light) .....AA  
**MO.**—St. Louis  
 American Carbon & Battery  
 Co., 2134 DeKalb (Bat-  
 tery) .....B  
 Mallinckrodt Chem. Wks.  
 (Bisulphide) .....AAAA  
**N. J.**—Jersey City  
 Eastern Carbon Wks. (Bat-  
 tery Carbons) .....A  
**N. Y.**—Brooklyn  
 Wheeler & Co., J. H., 577  
 Smith (Bisulphite) ....D  
 Wiarda & Co., Jno. C. (Pre-  
 pared) .....AA  
**New York City**  
 Cooper & Co., Chas. (Bisul-  
 phide) .....AA  
 Erkenbrach, Geo. A. (Bisul-  
 phide) .....D  
 Machado & Roller, 234 Bar-  
 clay (Arc Light Carbon)  
 D  
 Reisinger, Hugo, 11 B'way  
 (Arc Light; Battery) ..AA  
 Yawger-Lexow Co., 12 John  
 (Diamond Drill) .....A  
**N. Y.**—Niagara Falls  
 Acker Process Co. (Tetrach-  
 loide) .....D  
**N. Y.**—Penn Yan  
 Taylor, E. R. (Bisulphide).O  
**OHIO**—Cleveland  
 Nat'l Carbon Co. (Arc Light;  
 Battery; Enclosed Arc  
 Light; Search Light; Elec-  
 tric Light; Flour; Granu-  
 lated) .....AAAA  
 U. S. Carbon Co. (Search-  
 light) .....X  
**OHIO**—Fostoria  
 Crouse-Tremaine Carbon Co.  
 (Arc Light) .....A  
**OHIO**—Lancaster  
 Consumers Carbon Co. (Arc-  
 Light) .....AA  
 Dickey Sutton Carbon Co.  
 (Battery) .....B  
**PA.**—Jeannette  
 Faraday Carbon Co. (Arc  
 Light) .....A  
**PA.**—Philadelphia  
 Powers - Weightman - Ros-  
 engarten Co. (Bisulphide)  
 AAAA  
**PA.**—Pittsburg  
 Pittsburg Electrical & Ma-  
 chine Co. (Battery) ....E  
**PA.**—St. Mary's  
 Speer Carbon Co. (Arc Light;  
 Battery) .....A  
**PA.**—Washington  
 Washington Carbon Co. (Arc  
 Light; Searchlight; Elec-  
 tric Light; Special) ....A

## CARBONIZERS

See also Machinery

**MASS.**—North Adams  
 Hunter Machine Co., Jas...A  
**MASS.**—Westford  
 Sargents' Sons, C. G. ....A  
**N. Y.**—Hudson  
 Hudson Fibre Co. ....B

**CARBONIZERS (Con.)**

**PA.—Philadelphia**  
 Am. Drying Machy. Co.,  
 ..Westmoreland .....D  
 Philadelphia Drying Machy.  
 Co., 6721 Gtn. Av .....D  
 Philadelphia Textile Machy.  
 Co., Hancock and Somers-  
 set .....AAA  
**E. I.—Providence**  
 Blanding Mfg. Co., O. L. ....X  
 Textile Finishing Mach. Co.  
 ....AAA

**CARBORUNDUM**

**N. Y.—Niagara Falls**  
 Carborundum Co. ....A

**CARBOYS**

**New York City**  
 Brookfield Glass Co., 220  
 Broadway .....B  
**PA.—Philadelphia**  
 Burgin & Sons .....A  
 Whitall, Tatum & Co. ....AAA  
**PA.—Reading**  
 Reading Glass Works ....O

**CARBURETTERS**

**ILL.—Chicago**  
 Turner Brass Wks., Frank-  
 lin & Mich. ....A  
**IND.—Kokomo**  
 Byrne, Kingston & Co. ....F  
**MASS.—Braintree**  
 Dow Portable Electric Co.  
 ....O  
**OHIO.—Cleveland**  
 Brew & Hatcher Co., 32 Col-  
 umbus .....C  
**PA.—Bradford**  
 Holly Motor Co. ....H  
**WIS.—Milwaukee**  
 Clemick-Hirsch Co. ....D

**CARDBOARD**

See Paper

**CARDIGANS**

See Jackets

**CARDS**

**CAL.—San Francisco**  
 Stuparich Mfg. Co., 147 Fre-  
 mont (Photographer) ..B  
**CONN.—Clintonsville**  
 Vibbert & Co., Geo. S. (Ad-  
 vertising; Bevel Edge;  
 Chromo Cut; Dance Or-  
 der; Holiday; Merit; Rag-  
 ged Edge) .....D  
**CONN.—Highland Park**  
 Case Bros. (Jacquard) ....A  
**CONN.—New Haven**  
 Best Mfg. Co., E. P. (Show  
 F  
 Sargent & Co. (Woolen; Cur-  
 ry) .....AAAA  
**CONN.—South Manchester**  
 Rogers Paper Mfg. Co.  
 Inc. (Jacquard) .....B  
**CONN.—Stafford Springs**  
 Beckwith Card Co. (Hand) .B  
**ILL.—Chicago**  
 American Label Mfg. Co., 34  
 Washington Av. (Show;  
 Adv.) .....A  
 Ball & Bros., A (Playing) AA  
 Chicago Card Co. (Playing)  
 ....X  
 Gunning System (The), 9  
 Plymouth Ct. (Adv. Sign)  
 ....AAA  
 Lazenby Color Card Co., J.  
 (Paint Color) .....E  
 Rand, McNally & Co. (Show)  
 ....AAAA  
 Regent Mfg. Co., 152 5th Av.  
 (Show; Adv.) .....D  
 Shonk Co., Chas. W., 222 W.  
 Van Buren (Iron Show) .B  
 Standard Playing Card Mfg.  
 Co., 31 E. Indiana (Pla-  
 ing) .....B  
 Western Glass Adv. Co.  
 Show; Adv.) .....F

**CARDS (Con.)**

**IND.—Connellsville**  
 Root & Heineman (Show;  
 Adv.) .....A  
**MASS.—Boston**  
 Bufford's Sons Engraving &  
 Lithographing Co. (Adver-  
 tising) .....X  
 Dennison Mfg. Co. (Direc-  
 tion; Jewelers') .....AAAA  
 Firth Co., Wm., 150 Devon-  
 shire (Revolving Flat) .D  
 Housch Co., 156 Concord  
 (Photograph) .....E  
 Lowe, Stephen C., 186 De-  
 vonshire (Revolving Flat)  
 ....B  
 McKerrow & Co., H. G., 31  
 State (Revolving Flat) .X  
 Riley & Co., C. E., 65 Frank-  
 lin (Revolving Flat; Wool-  
 en; Worsted) .....A  
 Stoddard, Haserick, Rich-  
 ards & Co., 152 Congress  
 (Simplex Worsted; Wool-  
 en) .....B  
 Wheelright Paper Co., Geo.  
 W., 95 Milk (Cut) ....AA  
**MASS.—Fall River**  
 Fall River Foundry & Ma-  
 chine Co. (Cotton; Foss;  
 Pevey) .....F  
**MASS.—Lawrence**  
 Columbia Napper Clothing  
 Co. (Hand) .....H  
**MASS.—Leicester**  
 Watson Mfg. Co., L. S. (Steel  
 Wire Strippers; Woolen;  
 Hand Cotton; Curry) .B  
**MASS.—Lowell**  
 Lowell Machine Shop (Cot-  
 ton; Floss; Pevey; Re-  
 volving Flat) .....AAAA  
 Pevey Bros. (Cotton; Foss;  
 Pevey) .....O  
**MASS.—Newton Upper Falls**  
 Crocker & Sons, Chas. F.  
 (Jacquard) .....A  
 Saco & Pettee Machine Shops  
 (Cotton; Foss; Pevey; Re-  
 volving Flat) .....AAA  
**MASS.—Springfield**  
 Colby Mfg. Co. (Photograph)  
 ....E  
**MASS.—Taunton**  
 Mason Machine Wks. (Cot-  
 ton) .....AA  
**MASS.—Whitinsville**  
 Whitin Mach. Wks. (Cotton;  
 Revolving Flat) .....AAAA  
**MASS.—Worcester**  
 American Card Clothing Co.  
 (Woolen) .....AAA  
 Cleveland Machine Wks.  
 (Felt; Woolen; Shoddy;  
 Worsted) .....A  
 Howard Bros. Mfg. Co., 42  
 Vine (Hand) .....A  
 Whiting Co., Geo. C. (Holi-  
 day) .....A  
**MICH.—Kalamazoo**  
 American Playing Card Co.  
 (Playing) .....A  
**MO.—St. Louis**  
 Igelstroem Sign & Label Co.,  
 Jno., 19 S. Broadway  
 (Show; Adv.) .....D  
 Nixon-Jones Printing Co.  
 (Show) .....D  
**N. H.—Manchester**  
 Campbell, Jno. (Curry) ..H  
**N. H.—Nashua**  
 Nashua Card & Glazed Paper  
 Co. (Cut; Sample) ....AA  
**N. J.—Newark**  
 Whitehead & Hoag Co.  
 (Show; Adv.) .....AA  
**N. Y.—Brooklyn**  
 Bainbridge's Sons, Chas. T.  
 2 Cumberland (Cut) ....A  
**N. Y.—Buffalo**  
 Dunstan, G. H. (Show;  
 Adv.) .....A  
**New York City**  
 American Bank Note Co.  
 (Show) .....AAAA  
 American Sample Co., 292  
 Church (Sample) .....F  
 Barnum & Co. (Bevel Edge;  
 Cut) .....D  
 Bloom & Mandell, 81 Walker  
 (Sample) .....D  
 Brett Lithographing Co.  
 (Show) .....B  
 Dougherty, Andrew, 78 Cen-

## CARDS (Con.)

tre (Playing) .....AAA  
 Excelsior Sample Card Co.,  
 91 Leonard (Sample) ..F  
 Hake Mfg. Co., Philip (Cut;  
 Dance Order; Gilt Edge;  
 Memorandum; Memorial)  
 A  
 Harris Co., Arthur C., 21  
 Cliff (Sample) .....D  
 Hurd & Co., G. B. (Bevel  
 Edge; Cut; Gilt Edge;  
 Ragged Edge) .....AA  
 International Bank Note Co.  
 (Show) .....B  
 Kaufmann & Strauss Co.  
 (Advertising; Holiday)....A  
 Keuffel & Esser Co., 127  
 Fulton (Drawing) .....AA  
 Kiehler, Jos., 148 Park Row  
 Christmas; Birthday;  
 Easter) .....C  
 McCabe & Co., 215 Pearl  
 (Photograph) .....D  
 Merchants Sample Card Co.,  
 33 Sullivan (Silk Sample)  
 X  
 New York Bank Note Co.  
 (Show) .....B  
 New York Consolidated Card  
 Co., 226 W. 14th (Playing)  
 B  
 Patterson, S. C. (Advertis-  
 ing) .....X  
 Perfection Playing Card Co.  
 (Playing) .....B  
 Perfection Sample Card Co.,  
 165 Spring (Sample) ...E  
 Price Bros. & Co., 65 Duane  
 (Show Adv.) .....C  
 Prier & Bergfield (Blank;  
 Bevel Edge; Cut) .....C  
 Printz Bros., 401 E. 91st  
 (Photograph) .....F  
 Thoubboron & Bro., J., 125  
 Maiden Lane (Show Adv.)  
 D  
 Tobin, Michael F. (Adver-  
 tising; Chromo; Dance  
 Order; Gilt Edge; Holl-  
 day; Memorial; Ragged  
 Show) .....B  
 Trautmann, Bailey &  
 Blampey (Sample) .....B  
 Wittman Bros. (Show)....A  
**OHIO—Cincinnati**  
 Cramer Co. (Show Adv.)..B  
 Globe-Wernicke Co. (Index)  
 AAAAA  
 Kinsey & Johnson (Paint  
 Color) .....F  
 Tuckfarber Co., F., Court &  
 Sycamore (Show Adv.)..C  
 United States Playing Card  
 Co. (Playing) .....AAAA  
 United States Printing Co.  
 of Ohio (Playing).....AAAA  
**OHIO—Coshocton**  
 Beach Co., H. D. (Show  
 Adv.) .....B  
 Meek & Beach Co. (Adv.  
 Show) .....AA  
**PA.—Bridgeport**  
 Lees & Sons Co., Jas. (Wool-  
 en; Worsted) .....AAAA  
**PA.—Philadelphia**  
 Beck Paper Co., Chas.  
 (Chromo; Cut) .....B  
 Billington & Co., Jas., 113  
 Chestnut (Cotton) .....A  
 Collins Mfg. Co., A. M.,  
 (Bevel Edge; Cut; Gilt;  
 Ragged Edge) .....AA  
 Hoover & Son, Joseph  
 (Chromo) .....AA  
 Jefferson & Bro., Edw., 127  
 S. 2d (Woolen) .....D  
 Quaker City Label Wks.  
 (Jno. Reilly), Powers lane  
 & So. 72d (Show Adv.)..B  
 Smith Woolen Machy. Co.,  
 Jas. (Hand; Woolen;  
 Worsted) .....AA  
 Wolf & Co. (Chromo;  
 Show) .....AAA  
**R. I.—Pawtucket**  
 Howard & Bullough Ameri-  
 can Machine Co., Ltd.  
 (Revolving Flat) .....AA  
**R. I.—Providence**  
 Franklin Machine Co. (Cot-  
 ton) .....A  
 Narragansett Card Co. (Jew-  
 elers; Photograph).....B  
 Young Bros. (Jewelers')..B

## CARMINE

See also Colors

New York City  
 Tremann & Co., D. F., 46  
 Duane .....A

## CAROUSELS

See also Galleries

**KANS.—Abilene**  
 Parker, C. W. ....A  
**N. Y.—Brooklyn**  
 Loeff, Chas., Norman Av.  
 & Russell .....A  
**N. Y.—Lockport**  
 Norman & Evans (Steam)..C  
**N. Y.—North Tonawanda**  
 Armitage Herschell Co.  
 (Steam; Electric) .....B  
 Herschell, Spillman & Co.,  
 (Steam) .....A  
 Gillie Engine & Mach. Co.  
 (Steam) .....C  
**OHIO—Cincinnati**  
 Gem Novelty Co., 807 State  
 Av. ....H  
 Queen City Carousel Co.  
 (Horse) .....H  
**PA.—Philadelphia**  
 Dentzel, G. A., 3635 Ger-  
 mantown Av. (Steam)..B  
**PA.—Pittsburg**  
 Ingersoll Construction Co.,  
 307 4th Av. ....B  
**WIS.—Milwaukee**  
 Meinecke & Son, A. (Horse)  
 AA

## CARPET, WOOD

See also Floors

**CAL.—San Francisco**  
 Inlaid Floor Co., 422 Sutter  
 D  
**ILL.—Chicago**  
 Chicago Floor Co., 155 Wa-  
 bash Av. ....E  
 Dunfee & Co., J., 104  
 Franklin .....B  
**IND.—Indianapolis**  
 Interior Hardwood Co....A  
**MINN.—Minneapolis**  
 Northwestern Parquet Floor  
 Co. ....F  
**MINN.—St. Paul**  
 Dunphy, W. C., 116 W.  
 3d .....H  
**N. Y.—Jamestown**  
 American Mfg. Co. (Par-  
 quet) .....A  
 Empire Washer Co. (Par-  
 quet) .....A  
**New York City**  
 New York Flexible Wood  
 Flooring Co., 23 W. 42d..D  
 Wilson Mfg. Co., Jas. G.,  
 3 W. 29th (Parquet)...A  
**N. Y.—Rochester**  
 Wood Mosaic Flooring Co.  
 (Parquet) .....AA  
**OHIO—Cincinnati**  
 Barron, Boyle Co., 424  
 Main .....X  
**PA.—Philadelphia**  
 American Parquetry Floor  
 Co., 143 S. 13th .....C  
 Heaton & Wood, 1706  
 Chestnut .....D  
**WIS.—Racine**  
 Johnson & Son, S. C. ....B

## CARPETS & RUGS

**CONN.—Bridgeport**  
 Read Carpet Co., The (Ax-  
 minster & Ingrain Car-  
 pets) .....A  
**CONN.—Thompsonville**  
 Hartford Carpet Corp. (Ax-  
 minster; Wilton; Brussels;  
 Saxony, Wilton, Brus-  
 sels & Seamless Rugs &  
 Art Squares; Tapestry;  
 Velvet) .....AAAA  
**GA.—Atlanta**  
 Southern Rug & Carpet  
 Mills (Smyrna & Ingrain)  
 D



# **CARPETS & RUGS (Con.)**

**ILL.—Chicago**

Olsen Rug Co. (Rugs)....C

**MASS.—Boston**

Roxbury Carpet Co. (Tapestry; Velvet Carpets)...AAA

**MASS.—Dedham**

Cochrane Mfg. Co. (Tapestry; Velvet Carpets)....A

**MASS.—Lowell**

Bigelow Carpet Co. (Carpet) AAAA

**MASS.—Palmer**

Palmer Carpet Mill (Body Brussels Carpets)...AAAA

**MASS.—Somerville**

Hodges Fibre Carpet Co. (Fibre Carpet; Rugs)...B

**MASS.—Worcester**

Whittall, Mathew J. (Wilton; Plush Carpets) AAAA

**MICH.—Wyandotte**

Bishop Co.; J. H. (Fur)...A

**N. J.—Camden**

Fries-Breslin Co. (Smyrna Carpets; Rugs).....B

**N. J.—Gloucester**

Fries-Harley Co. ....A

**N. J.—Hightstown**

Hightstown Smyrna Rug Co. (Smyrna) ....D

**N. J.—Little Falls**

Beattie Mfg. Co. (Velvet Carpets) .....A

**N. J.—Paterson**

Lamond & Robertson Co. (Smyrna; Jute Rugs; Hemp Carpets) .....C

**N. J.—Yardville**

Morris & Co. (Cotton Carpets) .....A

**N. Y.—Amsterdam**

Sanford & Sons, Stephen (Axminster; Brussels; Velvet Carpets) ...AAAA

**Shuttleworth Bros. Co.** (Brussels Carpets; Wilton Rugs) .....B

**N. Y.—Auburn**

American Axminster Industry (Axminster Carpets) AA

**Nye & Wait Carpet Co.** (Ingrain Carpets) ....A

**N. Y.—Brooklyn**

Chelsea Jute Mills (Hemp; Jute) .....AAAA

**Planet Mills Mfg. Co.** (Hemp; Ingrain) ....AAAA

**New York City**

Persian Rug Manufactory (Persian Chenille & Axminster Rugs) .....B

**Sloane's Sons, Jas. (Mats; Rugs)** .....A

**N. Y.—Yonkers**

Smith & Sons Carpet Co., Alex. (Axminster; Moquette; Tapestry; Brussels; Velvet) .....AAAA

**PA.—Bloomaburg**

Magee Carpet Co. (Ingrain Tapestry; Velvet Carpets) A

**PA.—Bristol**

Leedom Co. Thos. L. (Worsted; Union Carpets; Smyrna Rugs; Art Squares) AA

**PA.—Centre**

Letort Carpet Co. (Rag; Jute; Ingrain Carpets).A

**PA.—Cheltenham**

Pike, E. V. (Smyrna Rugs) D

**PA.—Conshohocken**

Hall, Jas. (Venetian; Ingrain; Damask Carpets).B

**PA.—Philadelphia**

Artman, Treichler Carpet Co., E. R. (Worsted & Cotton Ingrain Carpets)...A

**Binz, F. (Granite Ingrain Carpets)** .....C

**Boggs' Sons, Jno. (Ingrain Carpet)** .....C

**Boggs & Son, Thomas (Ingrain Carpet)** .....AA

**Bromley Bros. Carpet Co. (Ingrain Carpets; Ingrain; Smyrna Rugs)** .....A

**Bromley, Jas. & Geo. D. (Squares; Velvet; Ingrain)** .....A

# **CARPETS & RUGS (Con.)**

**Bromley & Sons, Jno. (Smyrna Rugs)** .....AAAA

**Carson, Geo. (Ingrain; Art Squares)** .....D

**Carson & Son, Robt. (Extra Super Ingrain)** .....B

**Caves & Sons, Thomas (Ingrain)** .....B

**Clelland & Sons, Robt. (Rag; Yarn; Metting; Granite Carpets)** .....A

**Cochrane, Chas. P. (Damask & Venetian Stair Carpets)** B

**Currie, Daniel (Carpets)**..B

**Danby & Fetterolf (Carpets)** B

**Develon's Sons, Thos. (Wool Ingrain Carpets)** .....A

**Dickel & Son, Hy. (Ingrain Carpets)** .....C

**Dickey & McMaster, (Damask; Venetian; Art Squares)** .....B

**Dobson, J. & J. (Wilton; Velvet; Brussels Carpets)** AAAA

**Doerr & Sons, Phillip (Ingrain Carpet)** .....A

**Dorman Bros. (Ingrain Carpets)** .....AAAA

**Dunlap & Son, Jno. (Ingrain Carpets)** .....A

**Ford, W. & R. (Ingrain Carpets)** .....B

**Gay's Sons, Jno. (Ingrain Carpets)** .....A

**Getty & Spratt (Ingrain Carpets)** .....C

**Hamilton, Jno. (Ingrain Carpet)** .....AA

**Hirst & Roger (Tapestry; Velvet Carpets)** .....B

**Holmes & Sons, Hy. (Fine Ingrain Carpets; Art Squares)** .....A

**Huston & Co., Thomas (Wool, Cotton Chain & Union Ingrain Carpets)** A

**Ivins, Dietz & Metzger Co. (Bundar & French Wilton Rugs & Carpets; Body Brussels; Ingrain & Columbian Carpets; Art Squares)** .....AAAA

**Jackson & Son, David (Ingrain Carpet)** .....A

**Jamieson's Sons, D. (Ingrain Carpets)** .....D

**Keefer, Wm. B. (All Wool, Cotton Chain, Ingrain Ingrain Carpets)**.....D

**Lansdowne Mfg. Co. (Smyrna Rugs)** .....D

**McDowell & Co. David (Ingrain Carpets)** .....B

**Masland & Sons, C. H. (Ingrain; Velvet Tapestry Carpets; Rugs; Art Squares)** .....A

**Miller, Nathan (Ingrain Carpets)** .....D

**Moore & Bro. (Ingrain Carpets)** .....B

**Nelson, Hugh (Ingrain Carpets)** .....C

**Newbold & Co.** .....D

**Petzoldt & Son, Herman (Rag Carpet)** .....D

**Pollock & Son, Jas. (Damask; Venetian; Ingrain; Granites)** .....A

**Ricker & Logan (Ingrain Carpets)** .....C

**Schofield, Mason & Co. (Wilton; Body Brussels Carpets)** .....A

**Scholes & Co., Wm. (Ingrain Carpets; Art Squares)** .....C

**Smith, Jno. (Ingrain Carpets)** .....D

**Smith & Son, W. T. (Smyrna Rugs, Carpets & Mats)** AA

**Stead Miller & Co. (Smyrna Rugs)** .....AA

**Stinson Bros. (Tapestry; Velvet Carpets)** ..AAAA

**Swire & Scott (Ingrain Carpets; Art Squares)**....B

**Watt & Bro. (Ingrain Carpet)** .....B

**CARPETS & RUGS (Con.)**  
 Werner, Ferdinand (Ingrain  
 Carpets) .....D  
**PA.—York**  
 York Carpet Mills (Rag;  
 Jute Carpets) .....C

## CARRIAGES, BABY, DOLL & C.

**CONN.—New Haven**  
 Rattan Mfg. Co. (Go-Carts;  
 Perambulators) .....C  
**ILL.—Chicago**  
 Chicago Willow & Rattan  
 Wks. (Baby; Doll Car-  
 riages; Go-Carts) .....C  
 Ford, Johnson & Co., 16th &  
 Indiana Av. (Baby Car-  
 riages) .....AAA  
 Holmes, J. P., 416 Lincoln  
 Av. (Baby Carriages) ...E  
 Kinley Mfg. Co., 255 So.  
 Hoyne Av. (Baby Car-  
 riages) .....B  
 May-Martin 1147 Dwersey  
 Boul .....F  
 Peck & Hills Furn. Co., 1819  
 Mich. Av. (Whol.; Mfrs.  
 Agents) .....B  
 Western Chair Co., 412 So.  
 Canal (Baby Car.; Go-  
 Carts) .....D  
**IND.—Indianapolis**  
 Piel Bros. Mfg. Co., The  
 (Carr.; Go-Carts) .....A  
**IND.—Ohio Falls**  
 Union Carriage & Rattan Co.  
 (Baby Carriages; Go-  
 Carts) .....C  
**MD.—Baltimore**  
 Carriage & Toy Co. (Go-  
 Carts; Rockers; Toy Gds.)  
 .....D  
 Heywood Bros. & Wakefield  
 Co. (Rattan Carriages; Go-  
 Carts) .....AAAA  
 Jackson, W. L. (Baby Carr)  
 .....E  
 Rich Bros., 122 S. Howard  
 .....E  
**MASS.—Baldwinsville**  
 Bishop & Dickinson (Baby  
 Carr.; Go-Carts) .....E  
 Walte Chair Co. (Baby  
 Carr.) .....A  
**MASS.—Gardner**  
 Heywood Bros. & Wakefield  
 Co. (Rattan Go-Carts) .....AAAA  
 Kelly Bros. (Reed; Rattan  
 Baby Carr.) .....E  
 Ramsdell, L. B. (Carr.; Go-  
 Carts) .....C  
**MASS.—Leominster**  
 Whitnev Carriage Co., F. A.  
 (Children's Carriages; Go-  
 Carts; Folding Go-Carts;  
 English Hood Carriages) B  
 Whitney Reed Chair Co.  
 (Baby Carr.) .....C  
**MASS.—Wakefield**  
 Wakefield Reed Chair &  
 Carriage Co. (Rattan  
 Baby Carr.) .....X  
**MASS.—Winchenden**  
 Cater & Co., C. L. (Reed  
 Baby Carr.) .....C  
**MICH.—Detroit**  
 American Go-Cart Co.  
 (Folding Go-Carts; Baby  
 Carr.) .....E  
 Detroit Rattan & Reed Wks.  
 (Reed Baby Carr.) .....F  
 Pioneer Mfg. Co. (Inc.)  
 (Reed Baby Carr.) .....E  
**MICH.—Grand Rapids**  
 Pettitt & Co., Wm. H. ....F  
**MINN.—Faribault**  
 Faribault Rattan Co. (Rat-  
 tan Baby Carr.) .....F  
**MINN.—St. Paul**  
 Twin City Reed & Rattan  
 Co. (Reed; Rattan Baby  
 Carr.) .....F  
**MO.—St. Louis**  
 American Rattan Co. (Baby  
 Carr.) .....B  
 Eggers, A. ....E  
 Huke Rattan & Willow  
 Ware Mfg. Co., The Wm.  
 (Baby Carr.) .....D  
 Kaiser & Co., Jacob (Baby

**CARRIAGES, BABY & C.**  
 Carr.) .....B  
**N. J.—Frenchtown**  
 Crosby Mfg. Co. ....F  
**N. J.—Newark**  
 Newark Baby Carriage Co.  
 (Baby Carr.) .....F  
 Newark Go-Cart Mfg. Co.  
 (Baby Carr.) .....C  
**N. Y.—Buffalo**  
 Heinz & Munschauer (Baby  
 Carr.) .....A  
 New York City  
 Crandall Carriage Co. ....X  
 Menke, Charles, 286 E. 4th  
 .....E  
 Travers, Geo. W., 146  
 Chambers .....B  
**OHIO—Canal Dover**  
 Adams Carriage Co. ....C  
**OHIO—Cincinnati**  
 National Carriage & Reed  
 Co. ....AA  
**OHIO—Toledo**  
 Gendron Wheel Co. (Go-  
 Carts; Wagons) .....AAA  
**PA.—Allegheny**  
 American Baby Carriage Co.  
 (Rattan Baby Carr.)...F  
**PA.—Erie**  
 Erie City Carriage Wks.  
 (Reed Baby Carr.)...C  
 Thayer Co., H. M. (Baby  
 Carr.) .....B  
**PA.—Philadelphia**  
 Philadelphia Baby Carriage  
 Factory Spring Garden &  
 8th (Baby Carr.) .....B  
 Rieber Co., L. (Baby Carr.)  
 .....D  
**TENN.—Nashville**  
 Nashville Chair & Carriage  
 Co. (Reed; Rattan Baby  
 Carr.) .....F  
**VT.—Brattleboro**  
 Smith Co., S. A. (Baby  
 Carr.) .....AAAA  
**WIS.—Milwaukee**  
 Melnecke & Son, A. (Baby  
 Carr.) .....A  
 Pahl & Co., E. F. (Baby  
 Carr.) .....D

## CARRIAGES & WAGONS

**ALA.—Florence**  
 Florence Wagon Works  
 (Farm Wagons) .....A  
**CAL.—Benecia**  
 Benecia Agr. Wks. (Farm;  
 Spring Carts) .....AAA  
**CAL.—San Francisco**  
 Falkingham, Edwn. (Chil-  
 drens Carriages) .....F  
**CAL.—Stockton**  
 Shaw Plow Wks. (Farm  
 Carts) .....A  
**COLO.—Pueblo**  
 Steel Wheel & Wagon Co.  
 (Wagons) .....C  
**CONN.—Danielson**  
 Jacobs Mfg. Co., E. H.  
 (Hose Carriages) .....B  
**CONN.—Hartford**  
 Premier Go-About-Co.  
 (Light Wagons) .....B  
**CONN.—New Haven**  
 Goodrich & Co., J. F. (Jump  
 Seat Carriages; Pony; Dog  
 Carts) .....AAAA  
 Hooker & Co., Henry  
 (Light; Heavy) .....A  
 New Haven Carriage Co.  
 (Light; Heavy) .....A  
 Page, Samuel K. (Carriages;  
 Heavy Wagons) .....C  
**DEL.—Wilmington**  
 Bowe Carriage Co. (Light;  
 Heavy) .....A  
**GA.—Atlanta**  
 White Hickory Wagon Mfg.  
 Co. (Carts; Farm Wagons;  
 Drays) .....B  
 Lowrey Wagon Works  
 (Farm; Platform Wagons)  
 .....C  
**GA.—Barnesville**  
 Smith & Sons, Jackson G.  
 (Light) .....B  
**GA.—Hampton**  
 Hampton Buggy Co. (Light)  
 .....C  
**GA.—Valdosta**  
 Henderson-Cranford Buggy

<b>CARRIAGES &amp; WAGONS</b>	<b>CARRIAGES &amp; WAGONS</b>
Co. (Light) .....C	IND.—Butler
Roberts-Cranford Dasher Co.	Butler Co., The (Light).O
(Light) .....O	IND.—Columbia City
<b>ILL.—Abingdon</b>	Harper Buggy Co. (Light) O
Abingdon Wagon Co.	
(Wagons) .....B	IND.—Connersville
<b>ILL.—Aurora</b>	Connersville Buggy Co.
Frazer & Co., W. S. (Road	(Light) .....B
Cart; Sulky; Light) ....O	McFarlan Carriage Co.
Western Wheeled Scraper	(Light) .....A
Co. (Dump Carts) ....AA	Rex Buggy Co. (Light) ..B
<b>ILL.—Batavia</b>	IND.—Elkhart
Newton Wagon Co. (Farm	Elkhart Carriage & Harness
Wagons) .....A	Mfg. Co. (Buggies; Traps;
<b>ILL.—Bloomington</b>	Spring; Delivery Wagons) B
Palmer-Dalnell Co., The	Indiana Buggy Co. (Light) O
(Light) .....B	Noyes Carriage Co. (Light) B
<b>ILL.—Bradley</b>	
Bradley Buggy Co. (Light) C	IND.—Evansville
<b>ILL.—Chicago</b>	Hercules Buggy Co. (Light) A
Allis-Chalmers Co. Home	
Ins. Bldg. (Saw Mill Car-	IND.—Fort Wayne
riages) .....AAAA	City Carriage Works
Chicago Willow & Rattan	(Light) .....C
Works (Childrens Car-	IND.—Huntingburg
riages) .....C	Huntingburg Wagon Works
Kimball & Co., C. P. (Dray	(Farm Wagons) .....O
Carts) .....AA	IND.—Indianapolis
Kimbark Co., S. D. (Light	Atkins & Co., E. C. (Saw
in the White) .....AA	Mill Carriages) .....AAAA
Kinley Mfg. Co. (Childrens	Chandler & Taylor (Saw
Doll Carriages) .....A	Mill Carriages) .....AA
Schuttler & Holtz (Farm;	Gates-Osborne Carriage Co.
Spring Wagons; Dump	(Light) .....O
Carts) .....AAAA	Parry Mfg. Co. (Carriages;
Sherman, I. N. W. (Dump;	Road Carts) .....AAAA
Farm Carts) .....A	IND.—Lafayette
Staver Carriage Co.	Indiana Wagon Co. (Farm
(Light) .....AA	Wagons) .....A
Weber Wagon Co. (Farm;	IND.—La Porte
Freight Wagons) .....AAA	Laporte Carriage Co.
<b>ILL.—Dallas City</b>	(Light) .....B
Burg Carriage Co., L.	IND.—Lawrenceburg
(Light Carriages; Road	James & Mayer Buggy Co.
Carts) .....B	(Light; Trap) .....O
<b>ILL.—Danville</b>	IND.—Ligonier
Danville Buggy Co. (Light;	Ligonier Carriage Co.
Wagon) .....D	(Light; Wagon) .....O
<b>ILL.—Decatur</b>	Mier Carriage & Buggy Co.
Wayne Sulkyette & Road	(Light) .....O
Cart Co. (Light) .....C	IND.—Noblesville
<b>ILL.—Freeport</b>	Hare & Sons, W. (Light).O
Robinson Mfg. Co. (Wagons) A	IND.—Richmond
<b>ILL.—Geneseo</b>	Davis & Taylor Carriage Co.
Sargent & Son, D. F. (Road	(Light) .....O
Carts) .....B	Richmond Vehicle Co.
<b>ILL.—Moline</b>	(Light) .....B
Moline Wagon Co. (Farm	Wayne Works, The (Spring
Wagons; Drays) ....AAA	Wagons; Road Carts) ..O
Sechler Carriage Co., D. M.	Westcott Carriage Co.
(Light; Road Carts) ...A	(Light) .....B
Wilson-Moline Buggy Co.	IND.—South Bend
(Light; Wagons) .....B	Birdsell Mfg. Co. (Farm
<b>ILL.—Ottawa</b>	Wagons) .....AA
Gay, S. G. (Light; Road	Colfax Mfg. Co. (Pony;
Carts) .....B	Light Carts) .....C
King & Hamilton Co. (Farm	South Bend Toy Mfg. Co.
Wagons) .....A	(Doll Carriages) .....A
<b>ILL.—Paxton</b>	Studebaker Bros. Mfg. Co.
Paxton Buggy Co. (Light) C	(Carriages; Light, Heavy,
<b>ILL.—Pekin</b>	Wagons; Sprinkling Cart) AAAAA
Smith & Co., T. & H.	Wrinkler Bros. Mfg. Co.
(Farm Wagons) .....A	(Light; Wagons; Drays) O
<b>ILL.—Peoria</b>	IND.—Union City
Avery Mfg. Co. (Farm	Union City Carriage Mfg.
Wagons) .....AAA	Co. (Light) .....B
Peoria Buggy Mfg. Co.	IOWA—Burlington
(Light) .....A	Burg. Wagon Co. (Farm
<b>ILL.—Quincy</b>	Wagons) .....A
Electric Wheel Co. (Farm	Orchard City Wagon Co.
Wagons) .....A	(Farm Wagons) .....B
Knapheide Wagon Co.	IOWA—Clinton
Henry (Farm Wagons) .C	Fish Bros Mfg. Co. (Farm
<b>ILL.—Rock Falls</b>	Wagon) .....A
Eureka Co. (Road Carts) A	IOWA—Council Bluffs
<b>ILL.—Rock Island</b>	Keys Bros. (Light) .....O
White Buggy Co., Geo.	IOWA—Davenport
(Light) .....O	Beltendorf Axle Co. (Steel
<b>IND.—Albion</b>	Gear Wagon) .....AA
Atwood Buggy Co. (Light) B	IOWA—Des Moines
<b>IND.—Anderson</b>	Kratzer Carriage Co. (Light) B
Anderson Carriage Mfg. Co.	
(Light) .....B	IOWA—Dubuque
<b>IND.—Auburn</b>	Cooper, A. A. (Light;
Eckhart Carriage Co.	Wagons) .....B
(Light) .....B	Ernsdorf Buggy Co. (Light) C
Kiblinger Co., W. H.	
(Light; Wagons) .....B	IOWA—Oskaloosa
Modern Buggy Co. (Light) C	Oskaloosa Mfg. Co. (Light) A
<b>Zimmermann Mfg. Co.</b>	
(Light) .....C	KY.—Henderson
	Delker Co., Geo. (Light) ..O

# CARRIAGES & WAGONS

**KY.—Louisville**  
Avery Sons, B. F. (Road  
Carts) .....AAA  
Kentucky Wagon Mfg. Co.  
(Farm; Freight Wagon;  
Drays) .....AAAA

**KY.—Owensboro**  
Ames & Co., F. A. (Light) A  
Owensboro Wagon Co. (Farm  
Wagons; Carts; Drays) AA

**LA.—Shreveport**  
Henderson Iron Wks., A. K.  
(Saw Mill Carriages) .AA

**MAINE—Bangor**  
Union Iron Wks. (Saw Mill  
Carriages) .....A

**MAINE—Portland**  
Bailey Carriage Co., F. O.  
Light; Heavy; Wagons) B

**MD.—Baltimore**  
Jackson, Wm. L. (Child-  
rens Carriages) .....D

**MASS.—Amesbury**  
Biddle & Swart Co. (Dog;  
Village Carts) .....B  
Bailey & Co., S. R. (Light)  
A  
Briggs Carriage Co. (Light;  
Heavy Carriages; Carts)  
C  
Currier-Cameron Co. (Light;  
Heavy in the White) .C  
Felch & Co., E. S. (Spring;  
Road Carts) .....C  
Hassett & Hodge (Light;  
Heavy; Carts) .....A  
Hume Carriage Co. (Light;  
Heavy) .....C  
Morrill Co., Osgood (Light)  
C  
Jenkins & Sons Co., J. B.  
(Heavy) .....C

**MASS.—Boston**  
French & Co., Fred. F. (Vis-  
a-Vis Carriages; T. Carts)  
D  
Kimball Bros. Co. (T.; Dog;  
Village Carts) .....B  
Thomas & Co., Chauncey  
(Pony; Dog Carts) .....C

**MASS.—Gardner**  
Heywood Bros. & Wakefield  
Co., (Childrens'; Chil-  
drens' Rattan Body)  
AAAA

**MASS.—Greenfield**  
Field Mfg. Co., Chas. R.  
(Childrens'; Childrens'  
Rattan Body) .....D

**MASS.—Leominster**  
Whitney Carriage Co., F. A.  
(Childrens') .....A  
Whitney Reed Chair Co.  
(Doll) .....AAAA

**MASS.—Merrimac**  
Lancaster & Co., J. A.  
(Light; Pony) .....C

**MASS.—Woodville**  
Coolidge Co., L. E. (Es-  
tate of) (Light; Wagon)  
B

**MICH.—Bay City**  
Garland Co., M. (Saw Mill  
Carriages) .....C

**MICH.—Detroit**  
Anderson Carriage Co.  
(Light; Wagons) .....A  
Chope & Sons, Edward  
(Wagon; Truck) .....C  
Detroit Carriage Co.  
(Light) .....C  
Detroit Folding Cart Co.  
(Dog Carts) .....D

**MICH.—Flint**  
Durant-Dort Co.  
(Carriages; Road Carts)  
AAAA  
Flint Wagon Works (Light;  
Farm; Road Carts) .A  
Paterson Co., W. A.  
(Light) .....A  
Flint Buggy Co. (Light;  
Road Carts) .....E

**MICH.—Grand Rapids**  
Belknap Wagon Co. (Heavy  
Wagons) .....C  
Harrison Wagon Co. (Farm  
Wagons) .....AA  
Pettit & Co., Wm. H. (Child-  
rens' Carriages) .....F

**MICH.—Ionia**  
Ionia Wagon Co. (Farm;  
Coal Wagons) .....B

**MICH.—Jackson**  
Ames-Dean Carriage Co.

**CARRIAGES & WAGONS**  
(Light Carriages; Carts) C  
Fuller Buggy Co. (Light) .B  
Granger & Hayden Carriage  
Co. (Light) .....B  
Jackson Sleigh Co. (Light;  
Wagons) .....B  
Jackson Vehicle Co. (Light;  
Wagon) .....B

**MICH.—Jonesville**  
Deal & Son, J. J. (Light;  
Heavy; T. Carts) .....B

**MICH.—Kalamazoo**  
American Carriage Co.  
(Light Carriages; Carts) B  
Kalamazoo Wagon Co.  
(Light; Carts) .....B  
Lull Carriage Co. (Light;  
Pony; Wagons) .....B  
Michigan Buggy Co. (Light;  
Wagons; Carts) .....B

**MICH.—Lansing**  
Bement's Sons, E. (Light;  
Wagon) .....A  
Clark & Co. (Light; Wagon)  
C  
Lansing Wagon Works  
(Farm; Freight; Spring;  
Light) .....A

**MICH.—Marshall**  
Page Bros. Buggy Co.

**MICH.—Menominee**  
Prescott, D. Clint Co. (Saw  
Mill Carriages) .....B

**MICH.—Ovid**  
Ovid Carriage Works  
(Light) .....C

**MICH.—Owosso**  
Owosso Carriage Co. (Light;  
Wagon; Carts) .....B

**MICH.—Pontiac**  
Dunlap Vehicle Co. (Light;  
Wagon) .....B  
Imperial Buggy Co. (Light)  
C  
Pontiac Buggy Co. (Light;  
Spring Wagon; Drays) .A  
Pontiac Spring & Wagon  
Works (Light; Wagon) .B  
Scott & Co., R. D. (Light;  
Wagon; Carts) .....B  
Taylor, C. V. (Light;  
Wagon) .....A

**MICH.—Saginaw**  
Farmers Handy Wagon Co.  
(Farm Wagons) .....C  
Wickes Bros. (Saw Mill  
Carriages) .....AAA

**MICH.—Wayne**  
Prouty & Glass Carriage Co.  
(Light) .....B

**MINN.—Minneapolis**  
Diamond Iron Wks. (Saw  
Mill Carriages) .....B

**MINN.—Winona**  
Winona Carriage Co.  
(Farm & Mountain Wag-  
ons; Trucks) .....AA  
Winona Wagon Co. (Drays;  
Farm Wagons; Carts) .AA

**MO.—Macon**  
Blees Carriage Co., The  
(Light; Heavy) .....A

**MO.—St. Louis**  
Banner Buggy Co., 914 S.  
B'way (Light) .....A  
Cook Bros. Carriage Co., 2nd  
cor. Branch (Light;  
Wagon) .....C  
Deere Plow Co., John. Clin-  
ton & N. Bway. (Light)  
AAAA  
Embree-McLean Carriage  
Co., 1823 Olive (Light;  
Trap) .....B  
Gestring Wagon Co., 1718  
Bway. (Farm; Log Wag-  
on) .....B  
Kaiser & Co., Jacob (Child-  
rens' Doll Carriages) .A  
Luedinghans - Espenscheid  
Wagon Co., 1717 N. Bway.  
A  
Luking, John F., 1615 N. 7th  
(Farm Wagons) .....C  
McCabe, Bierman Wagon  
Co., 1213 N. Bway.  
(Spring Wagons) .....C  
Moon Bros. Carriage Co.,  
Gano, Av. (Light) .....A  
Moon Buggy Co., Joseph W.,  
Main (Light) .....A  
Scaritt-Comstock Furniture  
Co. (Childrens' Carriages)  
A  
Union Carriage Co., Hall

**CARRIAGES & WAGONS**

cor. Branch (Light).....B  
 Weber & Damme Wagon Co.,  
 1613 N. Bway. (Farm  
 Wagons) .....B  
**N. H.—Concord**  
 Abbott-Downing Co. (Hose  
 Carriages) .....X  
**N. H.—Newton**  
 Hayford & Son., Edward  
 (Light; Wagons) .....C  
**N. J.—Burlington**  
 Birch, James (Light) ....B  
**N. J.—Newark**  
 Quimby & Co., J. M.  
 (Carriages; Carts) .....A  
 Hedden & Co., C. M.  
 (Pneumatic) .....A  
**N. J.—Trenton**  
 Trenton Iron Co. (Trolley  
 Carriages) .....A  
**N. Y.—Albany**  
 Gould Co., James, The  
 (Light; Heavy; Hearses;  
 Carts) .....C  
**N. Y.—Belmont**  
 Clark Bros. (Saw Mill Car-  
 riages) .....A  
**N. Y.—Binghamton**  
 Sturtevant - Larrabee Co.  
 (Light) .....A  
**N. Y.—Buffalo**  
 King Spring Co., 1400 Niagara  
 (Light in the White;  
 Finished) .....C  
**N. Y.—Cortland**  
 Cortland Wagon Co. (Light;  
 Heavy Wagons; Carts)....A  
 Keator & Wells (Light  
 Wagons; Carts; Drays) .B  
**N. Y.—Dunkirk**  
 Milbolland Spring Gear Co.  
 (Road Carts in the White)  
 B  
**N. Y.—Geneva**  
 Geneva Wagon Co. (Light;  
 Wagon) .....C  
**N. Y.—Glens Falls**  
 Glens Falls Buckboard Co.  
 (Light; Buckboards) ...C  
 Joubert & White (Buck-  
 board) .....B  
**N. Y.—Groton**  
 Groton Wagon Works  
 (Light; Business Wagons)  
 B  
**N. Y.—Homer**  
 Brockway, W. N. (Light) .A  
 Homer Wagon Co. (Light;  
 Wagon; Drays) .....C  
**N. Y.—Ilion**  
 Coleman Carriage & Harness  
 Co., Fred. (Light) .....C  
**New York City**  
 Brewster & Co., J. B. (Vis-  
 a-Vis; Carriages; Carts  
 &c.) .....B  
 Crandall Carriage Co. (Child-  
 rens' Rattan Body Car-  
 riages) .....D  
 Demarest & Co., A. T. (Vis-  
 a-Vis Carriages; Carts) .A  
 Hayward & Co., S. F., 20  
 Warren (Hose Carriages)  
 B  
 Mace & Co., L. H. (Child-  
 rens' Carriages) .....B  
**N. J. Foundry & Machine**  
 Co., 9 Murray (Trolley  
 Carriages) .....B  
**N. Y.—Olean**  
 New Conklin Wagon Co.  
 (Farm Wagons) .....A  
**N. Y.—Owego**  
 Champion Wagon Co. (Farm;  
 Business) .....B  
**N. Y.—Rochester**  
 Hughes, Francis L. (Child-  
 rens' Carriages) .....A  
 Sullivan Bros. (Light;  
 Carriages; Wagons) ....C  
**N. Y.—Seneca Falls**  
 American-La France Fire  
 Engine Co. (Hose Car-  
 riages) .....AA  
 Rumsey & Co., (Ltd.)  
 (Hose Carriages) .....A  
**N. Y.—Syracuse**  
 Mover, Harvey A. (Light;  
 Wagons) .....A  
**N. Y.—Troy**  
 Payne, Martin (Estate of)  
 (Sulky) .....C  
 Troy Carriage Works (Vis-  
 a-Vis Carriages; Road  
 Carts) .....B

**CARRIAGES & WAGONS**

**N. Y.—Utica**  
 Childs & Co., C. H. (Light)  
 B  
**N. Y.—Waterloo**  
 Waterloo Wagon Co. (Ltd.)  
 (Light; Wagons) .....A  
**N. Y.—Watertown**  
 Babcock Co., H. H. (Light;  
 Heavy Carriages; Carts)  
 AA  
 Excelsior Carriage Co.  
 (Light; Wagons) .....A  
 Union Carriage & Gear Co.  
 (Light; Wagons) .....C  
 Watertown Carriage Co.  
 (Light; Wagons) .....A  
**N. C.—Carthage**  
 Tyson & Jones Buggy Co.  
 (Light; Heavy) .....B  
**N. C.—Henderson**  
 Corbitt Buggy Co. (Light) .C  
**N. C.—Hickory**  
 Piedmont Wagon Co. (Farm  
 Wagons) .....A  
**N. C.—Oxford**  
 Taylor-Cannady Buggy Co.  
 (Light) .....C  
**N. C.—Thomasville**  
 Ryder Cramer Wagon Works  
 (Farm Wagons) .....C  
**N. C.—Wilson**  
 Hackney Bros. (Light;  
 Wagons) .....B  
**N. C.—Winston-Salem**  
 Nissen, C. F. ....C  
 Salem Iron Works (Saw  
 Mill Carriages) .....A  
**OHIO—Alliance**  
 Morgan Engineering Co.  
 (Gun Carriages) .....AA  
**OHIO—Bucyrus**  
 Shunk Plow Co. (Steel Farm  
 Wagons) .....C  
**OHIO—Canton**  
 Knight Mfg. Co. (Saw Mill  
 Carriages) .....B  
**OHIO—Carthage**  
 Jewell Carriage Co., The  
 (Light) .....B  
**OHIO—Cincinnati**  
 Acorn Buggy Co., The, 212  
 E. Cort (Buggies) .....C  
 American Carriage Co., The,  
 1275 Budd (Light; Wag-  
 ons) .....A  
 Anchor Buggy Co., South  
 cor. Summer (Light;  
 Wagons; Traps) .....AAA  
 Armleder Co., O., The, 324-  
 330 Longworth (Delivery  
 Wagons) .....C  
 Auel Carriage Co., John,  
 1669 Central Av. (Light;  
 Surrey; Wagons) .....B  
 Barnett Carriage Co. cor.  
 Richmond & Carr (Light)  
 A  
 Behlen's Sons Co., Charles  
 1434 Vine (Light; Heavy)  
 C  
 Brown Carriage Co., 1602  
 Gest. (Light; Surreys) .B  
 Continental Carriage Co.,  
 The, Central Av. & York  
 (Light; Surreys) .....B  
 Eagle Carriage Co. (Pony) E  
 Emerson & Fisher Co. (Jump  
 Seat Carriages) .....X  
 Enger, Frank J., 2100 Gest  
 (Light; Traps) .....AAA  
 Fisher Carriage Co., 910  
 Evans (Light) .....C  
 Hickory Carriage Co., 2109  
 South (Light; Surreys) .C  
 Lion Buggy Co., The, 2100  
 W. 8th (Light; Surreys;  
 Springs) .....B  
 Marquarat Carriage & Toy  
 Co. (Childrens' Doll Car-  
 riages) .....E  
 Mill Creek Wagon Co., The,  
 Richmond & Carr (Light  
 in the White) .....C  
 Phoenix Carriage Co., The  
 901 Evans (Light) .....C  
 Rattermann & Luth, 1911  
 W. 8th (Light) .....B  
 Royal Carriage Co., E.  
 Court cor. Spring (Light)  
 A  
 Schacht Mfg. Co., The, 2727-  
 2731 Spring Grove Av.  
 (Wire wheel vehicles ex-  
 clusively) .....C  
 Sechler & Co., 538 E. 5th

**CARRIAGES & WAGONS**

(Light) .....A  
**OHIO—Columbus**  
 Buckeye Buggy Co., 482 N.  
 High (Light; Heavy) ..AA  
 Case Mfg. Co. (Trolley Car-  
 riages) .....A  
 Columbus Buggy Co., Chest-  
 nut cor. Front (Light) AA  
 New Climax Buggy Co.,  
 Spring (Light) .....A  
 Poste Bros. Buggy Co., Jef-  
 ferson Av. (Light) ....B  
 Scioto Buggy Co., The, 504  
 Buttles Av. (Light) ..C  
**OHIO—Crestline**  
 Holcker Bros. Buggy Co.  
 (Light) .....C  
**OHIO—Dayton**  
 Woodhull Carriage Works  
 (Light) .....B  
**OHIO—Defiance**  
 Turnbull Wagon Co. (Farm  
 Wagons) .....AA  
**OHIO—Elmwood Place**  
 Highland Buggy Co., The  
 (Buggies; Phaetons; Sur-  
 ries) .....C  
**OHIO—Findlay**  
 Adams Bros. Co. (Saw Mill  
 Carriages) .....AA  
 Findlay Carriage Co., The  
 (Light; Wagon) .....C  
**OHIO—Fostoria**  
 Peabody Buggy Co. (Light)  
 .....C  
**OHIO—Hamilton**  
 Columbia Carriage Co., The  
 (Light) .....A  
**OHIO—Hillsboro**  
 Carroll & Sons, M. F.  
 (Light) .....C  
**OHIO—Marietta**  
 Ohio Valley Wagon Co.  
 (Spring; Farm Wagons) B  
**OHIO—Miamisburg**  
 Enterprise Carriage Co., The  
 (Light) .....A  
 Kauffman Buggy Co., The  
 (Light; Carts; &c.)....B  
**OHIO—Middletown**  
 Decatur Buggy Co. (Light)  
 .....C  
**OHIO—New Waterford**  
 Koch Bros. (Light) .....C  
**OHIO—Sidney**  
 Bimel Carriage Co., The  
 (Light) .....C  
**OHIO—Tiffin**  
 Tiffin Wagon Co., The  
 (Wagons; Farm Wagons)  
 .....C  
**OHIO—Toledo**  
 Gendron Wheel Co. (Chil-  
 drens' Carriages) .....AA  
 Milburn Wagon Co., The  
 (Carts; Drays; Light;  
 Farm; Business Wagons)  
 ....AAA  
**OHIO—Troy**  
 Troy Buggy Works Co., The  
 (Light Carts; &c.)....B  
 Troy Wagon Works Co.,  
 The (Wagons; Farm  
 Wagons) .....B  
**OHIO—Youngstown**  
 Youngstown Carriage &  
 Wagon Co., The (Light;  
 Carts) .....B  
**OHIO—Zanesville**  
 Brown Mfg. Co., The (Farm  
 Wagons) .....AA  
**PA.—Brookville**  
 Brookville Mfg. Co. (Farm  
 Wagons) .....C  
**PA.—Columbia**  
 Columbia Wagon Co. (Farm  
 Wagons; Dump Carts)..B  
**PA.—Du Bois**  
 Du Bois Iron Works (Saw  
 Mill Carriages) ..AAAA  
**PA.—Emigsville**  
 Acme Wagon Co. (Farm;  
 Business; Contractors';  
 Carts) .....B  
**PA.—Erie**  
 Standard Saw Mill Mch.  
 Co. (Saw Mill Carriages)  
 .....C  
 Thae & Co., H. N. (Chil-  
 drens' Carriages) .....A  
**PA.—Lancaster**  
 Bailey & Co., L. C. (Light)  
 .....A  
 Hoover, Joseph F. Jr.  
 (Light; Wagons) .....C

**CARRIAGES & WAGONS**

Safety Buggy Co. (B. G.  
 Dodge, Prop.) (Light)..B  
**PA.—Mifflinburg**  
 Mifflinburg Carriage Co.  
 (Light) .....C  
**PA.—Philadelphia**  
 Anderson Matthew M.  
 (Childrens' Carriages)..D  
 Fulton & Walker Co.  
 (Carriages; Carts) ...AA  
 Philadelphia Roll & Mach-  
 ine Co., So. 23d & Wash.  
 Av. (Gun Carriages) ..AA  
 Sowney Bros., 1204 Frank-  
 fort Av. (Heavy; Hearses)  
 .....C  
**PA.—Reading**  
 Keystone Wagon Works,  
 The (Light; Coal Wagons;  
 Light in the White) ....B  
**PA.—Waynesboro**  
 Frick Co. (Saw Mill Car-  
 riages) .....AAAA  
**PA.—Wilkesbarre**  
 Vulcan Iron Works (Holst-  
 ing Carriages) ....AAAA  
**PA.—Williamsport**  
 Williamsport Wagon Co.  
 (Light; Wagons) .....B  
**PA.—York**  
 Hoover Wagon Co. (Wagons)  
 .....C  
 Martin Carriage Works  
 (Light; Wagons; Road  
 Carts) .....A  
 York Carriage Co. (Light;  
 Wagons) .....A  
**S. C.—Rock Hill**  
 Rock Hill Buggy Co. (Light)  
 .....A  
**TENN.—Chattanooga**  
 Chattanooga Wagon Co.,  
 The (Farm Wagons)...A  
 Wheland Machine Works  
 (Saw Mill Carriages) ...A  
**TENN.—Jackson**  
 Southern Engine & Boiler  
 Works (Saw Mill Car-  
 riages) .....A  
**TENN.—Memphis**  
 Bodley Wagon Co. (Farm  
 Wagons) .....B  
 James & Graham Wagon  
 Co., The (Farm; Lumber  
 Wagons) .....B  
 Lilly Carriage Co. (Light).B  
**TENN.—Nashville**  
 De Ford Carriage Mfg. Co.,  
 J. M. (Light) .....C  
**VT.—Brattleboro**  
 Smith & Co., S. A. (Chil-  
 drens' Carriages) ....AAA  
**VT.—Montpelier**  
 Lane Mfg. Co. (Saw Mill  
 Carriages) .....A  
**VA.—Danville**  
 Horner & Co., W. P.  
 & Drays) .....X  
**VA.—Lynchburg**  
 Taylor Wagon Works  
 (Farm Wagons) .....C  
**VA.—Norfolk**  
 Wrenn & Sons, A. (Light;  
 Wagons; Carts) .....A  
**WIS.—Eau Claire**  
 McDonough Mfg. Co. (Saw  
 Mill Carriages) .....A  
**WIS.—Fond-du-lac**  
 Sweet, B. F. & I. H. (Farm  
 Carts) .....A  
**WIS.—Fort Atkinson**  
 Northwestern Mfg. Co.  
 (Light; Wagons) .....A  
**WIS.—Janesville**  
 Wisconsin Carriage Co.  
 (Light) .....C  
**WIS.—Kenosha**  
 Bain Wagon Co. (Wagons;  
 Dump Carts) .....AA  
**WIS.—La Crosse**  
 La Crosse Carriage Co.  
 (Light) .....C  
 Smith Mfg. Co. (Farm  
 Wagons) .....B  
**WIS.—Madison**  
 Fuller & Johnson Mfg. Co.  
 (Light; Wagons) ....AAA  
**WIS.—Marinette**  
 Prescott Supply Co. (Saw  
 Mill Carriages) .....X  
**WIS.—Milwaukee**  
 Filer & Stowell Co. (Ltd.)  
 (Saw Mill Carriages) AAA  
 Kiefer Elevator Co., A.

**CARRIAGES & WAGONS**

(Holsting Carriages)...C  
 Meinecke & Son, A. (Children's Carriages).....AA  
 Suelflohn & Seefeld (Milk Wagons).....A  
**WIS.—Oshkosh**  
 Clark, J. L. (Light).....B  
 Streich Co. & Bro., A. (Wagons; Dump Carts; Trucks).....B  
 Streich, Gabriel (Wagons; Dump Carts; Trucks)...B  
 Thompson Carriage Co. (Ltd.) (Spring Wagons) C  
**WIS.—Racine**  
 Fish Bros. Wagon Co. (Farm Wagons; Carts)...A  
 Mitchell & Lewis Co. (Farm Wagons; Road Carts; Drays).....AA  
 (Barb Wire).....AA  
 Racine-Sattley Co. (Light; Wagons).....AAAA  
**WIS.—Sheboygan**  
 Garton Toy Co. (Doll Carriages).....B  
**WIS.—Stoughton**  
 Stoughton Wagon Co. (Light; Wagons).....AA  
**WIS.—Wausau**  
 Murray Mfg. Co., D. J. (Saw Mill Carriages).....B

**CARRIERS**

**CONN.—Meriden**  
 Manning, Bowman & Co. (Dinner).....AA  
**CONN.—New Britain**  
 North & Judd Mfg. Co. (Trace).....AA  
**CONN.—New Haven**  
 Acme Cash Railway Co. (Cash).....X  
 Burgess, E. A. (Estate of) (Bundle; Cash).....E  
**CONN.—New London**  
 Starr, Joseph (Bundle; Cash).....X  
**FLA.—Nocatee**  
 Weller, W. G. (Basket)...A  
**ILL.—Aurora**  
 Wilcox Mfg. Co. (Elevated Feed).....B  
**ILL.—Batavia**  
 U. S. Wind Engine & Pump Co. (Ensilage; Hay)...A  
**ILL.—Chicago**  
 Air Line Carriers Co., 903 Monroe (Cash).....B  
 Baldwin & Co., Jas. L. 171 Wash. (Cash).....D  
 Barbee Wire & Iron Wks. (Package).....B  
 Borden & Selleck Co., 48 Lake (Endless Apron; Trunk).....B  
 Bostedo Pneumatic Tube Co. 154 Lake (Cash).....C  
 Caldwell & Son Co., H. W. (Endless Apron).....AA  
 Creamery Package Mfg. Co. (Butter).....AAAA  
 International Harvester Co. (Hay).....AAAA  
**ILL.—Decatur**  
 Chambers - - Bering - Quinlan Co. (Hay).....A  
**ILL.—Harvard**  
 Hunt, Helm & Ferris (Hay) B  
**ILL.—Ottawa**  
 Porter Co., J. E. (Steel Track Hay).....A  
**ILL.—Sandwich**  
 Sandwich Mfg. Co. (Hay)...AA  
**ILL.—Sterling**  
 Keystone Mfg. Co. (Hay)...AA  
**IND.—Indianapolis**  
 Talsey Pneumatic Service Co. (Cash).....B  
 Tucker & Dorsey Mfg. Co. (Bundle; Cash).....A  
**IOWA.—Fairfield**  
 Loudon Mchry. Co. (Hay)...D  
**KY.—Louisville**  
 Dow Wire Works Co. (Bicycle Luggage).....D  
**MASS.—Boston**  
 Consolidated Store Service Co., 115 Chancy (Cash)...X

**CARRIERS (Con.)**

**MASS.—Lowell**  
 Lamson Consolidated Store Service Co. (Cash; Bundle).....A  
**MASS.—Worcester**  
 Parker Wire Goods Co. ..D  
 Warren Leather Goods Co. (Bicycle Luggage).....B  
 Wire Goods Co. (Bicycle Luggage.. Milk Bottle).A  
**MICH.—Detroit**  
 Buhl Malleable Co. (Endless Apron; Sawdust).....A  
**MICH.—Jackson**  
 Cement Machry. Co. (Adjustable Block).....B  
**MICH.—St. Johns**  
 Mason & Co., F. C. (Steel Track or Cable Hay) ..C  
**MINN.—Minneapolis**  
 Biltrite Mfg. Co. (Cash; Package).....E  
**MO.—St. Louis**  
 Ludlow-Saylor Wire Co. St. Louis Stamping Co. (Water; Dinner) ..AAAA  
**N. Y.—Buffalo**  
 Jewett Mfg. Co., Jno. C. (Water).....AA  
 Squirr Mfg. Co., Geo. L. (Cane; Bagesse).....A  
 Western Wire Goods Co. (Milk Bottle).....D  
**N. Y.—Frankfort**  
 Acme Road Mchry. Co. (Street Sweeping Bag) ..O  
**New York City**  
 Central Stamping Co. (Dinner).....AA  
 Estey Wire Wks., 59 Fulton (Milk Bottle).....E  
 Lalance & Grosjean Mfg. Co. (Dinner; Fire).....AAAA  
 Motley, Green Co., 12 John (Street Sweeping Bag) ..X  
 N. J. Foundry & Mach. Co., 9 Murray (Endless Apron; Hand Holst).....D  
 Niles-Bement-Pond Co., 136 Liberty (Hand Holst).....AAAA  
 Pearsall Pneumatic Tube & Power Co., 154 W. 27th (Cash).....D  
 Robins Conveying Belt Co., 17 Park Row (Endless Apron).....C  
 Stoutenborough, X. (Dinner) D  
 Westcott-Jewell Co. (Package).....D  
**N. Y.—Rochester**  
 Star Egg Carrier & Tray Mfg. Co. (Egg).....D  
**N. Y.—Syracuse**  
 Frazer & Jones Co. (Trace) AA  
 Syracuse Chilled Plow Co. (Hay).....AA  
**N. Y.—Utica**  
 Eureka Mower Co. (Hay).B  
**N. Y.—Warsaw**  
 Warsaw Elevator Co. (Hay) B  
**OHIO.—Akron**  
 Whitman & Barnes Mfg. Co. (Steel; Hard Wood Track Hay).....AAAA  
**OHIO.—Ashland**  
 Myers & Bro., F. E. (Hay)..AA  
**OHIO.—Canton**  
 Elbel & Co. (Trace).....B  
 Ney Mfg. Co. (Hay; Hand Holst; Trunk).....B  
 Ney Co., V. L. (Hay).....B  
**OHIO.—Cleveland**  
 Gerlach Co., Peter, 28 Columbus (Timber).....A  
 Hahn Co., J. N. (Arc Light Globe; Beer).....B  
**OHIO.—Columbus**  
 Case Mfg. Co. (Hand Holst).....A  
 Kilbourne & Jacobs Mfg. Co. (Stone; Trunk).....AA  
**OHIO.—Mansfield**  
 Barr Cash & Package Carrier Co. (Cash).....A  
 Mansfield Cash & Package Carrier Co. (Cash).....C  
**PA.—Philadelphia**  
 Johnson & Lund (Needle

**CARRIERS (Con.)**

Foil) .....AA  
 Link-Belt Engineering Co.,  
 Nicetown (Endless Apron) A  
 Reid, A. H. (Butter) ....A  
 Sibley, Gideon (Needle  
 Foil) .....AA  
 Wall Mfg. Co., R. C. (Lug-  
 gage) .....F  
**VT.—Bellows Falls**  
 Vermont Farm Machine Co.  
 (Butter) .....O  
**VT.—Rutland**  
 Stoddard Mfg. Co. (Butter) F  
**WIS.—Ft. Atkinson**  
 Cornish, Curtis & Greene  
 Mfg. Co. (Butter) .....A  
**WIS.—Manitowoc**  
 Smalley Mfg. Co. (Ensilage) B  
**WIS.—Racine**  
 Belle City Mfg. Co.  
 (Ensilage) .....B  
**WIS.—South Milwaukee**  
 Stowell Mfg. Co. & Fdry..  
 Co. (Hand Hoist) .....A

**CARS**

**ALA.—Anniston**  
 Kilby Locomotive & Ma-  
 chine Wks. (Mine; Log-  
 ging; Plantation) .....D  
**ALA.—Birmingham**  
 Southern Car & Fdry. Co.  
 (Freight; Steel) ....AAA  
**ALA.—New Decatur**  
 North Alabama Engineering  
 Co. (Dryer; Logging; Ore;  
 Tram; Pole Road) ....F  
**ALA.—Selma**  
 Peacock Iron Wks. (Mining;  
 Construction; Track Lay-  
 ers'; Dump; Freight;  
 Lever Hand; Logging;  
 Iron Coal; Plantation;  
 Pit; Steel Mining; Push) O  
**ARK.—Brinkley**  
 Brinkley Car Wks. & Mfg.  
 Co. (Freight) .....A  
**ARK.—Pine Bluff**  
 Dilley Fdry. Co. (Logging) B  
**CAL.—San Francisco**  
 Carter Bros., 220 Market  
 (Freight; Passenger;  
 Street; Electric) ....AA  
 Hammond & Co., J., 2nd &  
 Townsend (Freight; Pas-  
 senger; Street; Electric) B  
**CAL.—San José**  
 San José Agricultural Wks.  
 (Fruit Dryers' Tray) ...X  
**CAL.—Stockton**  
 Holt Mfg. Co. (Freight;  
 Passenger; Baggage;  
 Mail) .....AA  
**COLO.—Denver**  
 Davis Iron Wks. (The). F.  
 M. (Dumping Mine; Ore) A  
 Denver Engineering Wks.  
 (Dumping; Mine; Ore) A  
 Hendrie & Bolthoff Mfg.  
 Co., 1625 17th (Mine) ...  
 AAA  
 Mine & Smelter Supply Co.  
 (Dumping; Mine; Ore) ...  
 AAA  
 Montgomery Machine Co.,  
 J. H., 1220 Curtis (Mine) O  
 Truax Mfg. Co., 1725 Wazee  
 (Dumping Steel; Mine;  
 Ore; Steel Mining; Dump;  
 Tram) .....E  
**CONN.—Middletown**  
 Middletown Car Wks. (Flat;  
 Freight) .....X  
**CONN.—Windsor Locks**  
 Clark & Co., Geo. P.  
 (Hand Dump) .....C  
**DEL.—Wilmington**  
 Delaware Hand Fibre Co.  
 (Warehouse Fibre) .....A  
 Harlan & Hollingsworth  
 (Passenger; Mail; Bag-  
 gage; Freight; Cable) ..A

**CARS (Con.)**

**GA.—Atlanta**  
 American Equipment Co.  
 (Flat; Gondola) .....X  
 Georgia Car & Mfg. Co.  
 (Freight) .....E  
 May & Spalding (Coal;  
 Mine; Pit; Railroad) ..B  
**GA.—Waycross**  
 South Atlantic Car Mfg. Co.  
 (Caboose) .....A  
**ILL.—Aurora**  
 Western Wheeled Scraper  
 Co. (Ballast; Dump) AA  
**ILL.—Belleville**  
 Belleville Pump & Skein  
 Wks. (Mine) .....A  
 Herzler & Henninger  
 (Mine) .....F  
**ILL.—Chicago**  
 Allis-Chalmers Co., Home  
 Ins. Bldg. (Drop Bottom;  
 Hot Metal; Slag Indus-  
 trial Railway; Mine; Ore;  
 Pit) .....AAAA  
 American Engineering Wks.  
 (Mining) .....F  
 Archer Iron Wks., 34th Pl.  
 (Mine) .....F  
 Austin Mfg. Co., Manhattan  
 Bldg. (Drop Bottom;  
 Dumping; Mine) ....AAA  
 Contractors' Supply & Equip-  
 ment Co., 232 5th Av.  
 (Dumping; Mine) .....B  
 Fairbanks, Morse & Co.,  
 Franklin & Monroe  
 (Bridge; Gang; Dumping;  
 Flat; Hand; Push; In-  
 spection; Logging; Mine;  
 Ore; Track Laying; Ve-  
 locipede; Velocipede Gaso-  
 line Motor) .....AAAA  
 Gates Iron Wks. (Br. Allis-  
 Chalmers Co.) (Mine)....  
 AAAA  
 Hicks, F. M., 227 Dearborn  
 (Mfrs.' Agent; Clay;  
 Dumping; Freight; Log-  
 ging; Passenger; Refrig-  
 erator; Tank) .....O  
 Illinois Car & Equipment  
 Co., Old Colony Bldg.  
 (Derrick; Crane; Freight;  
 Logging; Plantation) ..C  
 McGuire-Cummings Mfg.  
 Co., 122 Sangamon  
 (Sprinkling Street Rail-  
 way; Street Railway) ..A  
 Pease, F. M., 355 Dearborn  
 (Dumping; Flat; Logging;  
 Passenger; Tank) .....B  
 Pullman Co., Pullman Bldg.  
 (Freight; Passenger;  
 Street; Electric; Dining;  
 Drawing; Sleeping; Cable;  
 Steam Motor) ....AAAA  
 Rodgers Ballast Car Co.,  
 Fisher Bldg. (Ballast) ..B  
 Shaw, Willis, N. Y. Life  
 Bldg. (Dumping) .....D  
 Wells & French Co. (Street;  
 Electric; Freight) .....X  
 Western Steel Car & Fdry.  
 Co., Old Colony Bldg.  
 (Freight; Steel) .....AA  
**ILL.—Danville**  
 Danville Fdry. & Machine  
 Co. (Mine) .....O  
**ILL.—Decatur**  
 Leader Mfg. Co. (Clay) ...A  
**ILL.—Harvey**  
 Buda Fdry. & Mfg. Co.  
 (Dumping; Hand; Push;  
 Inspection; Mine; Planta-  
 tion; Track Laying;  
 Velocipede; Wood Wheel  
 Hand; Push) .....A  
 Whitney Fdry. Equipment  
 Co. (Billet; Core; Oven;  
 Foundry) .....A  
**ILL.—Litchfield**  
 Litchfield Car Wks. (Dump;  
 Freight; Pit; Passenger) X  
 Litchfield Fdry. & Machine  
 Co. (Mine) .....B  
**ILL.—Mattoon**  
 Starbuck's Sons Co.  
 (Velocipede) .....G  
**ILL.—Mt. Vernon**  
 Mt. Vernon Car Mfg. Co.  
 (Flat; Ore; Refrigerator;



**CARS (Con.)**

Mining; Construction;  
 Pile Driver; Wrecking;  
 Dump; Coal; Ore Dump;  
 Drop Bottom; Freight;  
 Gondola; Logging) .....C  
**ILL.—Peoria**  
 Peoria Car Co. (Street; Elec-  
 tric) .....AAAA  
**ILL.—Sterling**  
**ILL.—Springfield**  
 Aetna Fdry. & Machine Co.  
 (Mine) .....C  
 Rock Falls Mfg. Co.  
 (Passenger) .....A  
**IND.—Aurora**  
 Steadman's Foundry &  
 Mach. Wks. (Dumping).....C  
**IND.—Hagerstown**  
 Light Inspection Car Co.  
 (Inspection; Motor In-  
 spection; Velocipede) ...E  
**IND.—Indianapolis**  
 Potts & Co. (Inc.), C. &  
 A. (Dump) .....B  
**IND.—Jeffersonville**  
 Ohio Falls Car Co. (Passen-  
 ger) .....AAAA  
**IND.—Michigan City**  
 Haskell & Barker Mfg. Co.  
 (Drop Bottom; Dumping;  
 Flat; Freight; Mine; Ore;  
 Construction; Oil Tank;  
 Refrigerator; Gondola;  
 Passenger; Mail) ..AAAA  
**IND.—Mishawaka**  
 Dodge Mfg. Co. (Industrial  
 Railway) .....AAA  
**IND.—Terre Haute**  
 Eagle Iron Wks. (Mine) ..B  
 Prox & Brinkman Mfg. Co.  
 (Mine) .....A  
**IOWA—Mason City**  
 Hathorn Fdry. & Machine  
 Co. (Brick; Transfer) ..E  
**IOWA—Ottumwa**  
 Ottumwa Iron Wks. (Mine;  
 Freight) .....AA  
**KANS.—Abilene**  
 Parker, Chas. (Ballast) ..B  
**LA.—New Orleans**  
 Coleman. H. Dudley  
 (Freight; Passenger;  
 Plantation) .....X  
**MAINE—Portland**  
 Portland Co. (Freight) ..AA  
**MD.—Baltimore**  
 Ryan-McDonald Mfg. Co. 44  
 South (Clay; Derrick;  
 Crane; Drop Bottom;  
 Dumping; Freight; Hand  
 Dump; Mine; Hand; Push;  
 Ore; Plantation; Pole  
 Road; Steam Shovel;  
 Track Laying) .....A  
 South Baltimore Car Wks.  
 (Freight) .....A  
**MD.—Hagerstown**  
 Railway Cycle Mfg. Co.  
 (Hand; Push) .....X  
**MASS.—Amesbury**  
 Briggs Carriage Co. (Street  
 Railway; Cable; Electric)  
 D  
 Ellis Car Co. (Street Rail-  
 way; Cable; Electric;  
 Steam Motor) .....H  
**MASS.—Boston**  
 Laconia Car Co., 50 State  
 (Passenger; Freight;  
 Steam; Electric; Refrig-  
 erator) .....AAA  
 Sturtevant Co., B. F.  
 (Dump; Foundry) ..AAA  
 Thomson-Houston Electric  
 Co. (Electric) .....H  
**MASS.—Brightwood**  
 Wason Mfg. Co. (Freight;  
 Passenger; Street Elec-  
 tric; Drawing Room) ...A  
**MASS.—Newburyport**  
 Newburyport Car. Mfg. Co.  
 (Cable; Electric; Steam;  
 Motor) .....X  
**MASS.—Sagamore**  
 Keith Mfg. Co. (Freight) .D  
**MASS.—Woburn**  
 Smith & Wallace (Sprink-  
 ling Street Railway) ...D  
**MASS.—Worcester**  
 Bradley, Osgood & Sons  
 (Freight; Passenger;  
 Street; Electric) .....A  
 Wright Wire Co. (Ele-

**CARS (Con.)**

vator) .....AA  
**MICH.—Bay City**  
 Industrial Wks. (Derrick;  
 Crane; Wrecking) ....AA  
**MICH.—Detroit**  
 American Blower Co.  
 (Brick Transfer) .....AA  
 Byram & Co., 435 Guoin  
 (Billet; Core Oven; Foun-  
 dry; Hot Metal; Slag;  
 Freight) .....D  
 Mithskun Co., W., Chamb.  
 of Commerce (Dumping;  
 Flat; Logging; Passenger)  
 C  
 Northern Engineering Co.,  
 Chene & Atwater (Billet;  
 Core Oven) .....A  
 Russel Wheel & Fdry. Co.  
 (Dumping; Logging;  
 Plantation; Hand; Mine;  
 Mill Yard) .....A  
**MICH.—Grand Rapids**  
 Butterworth & Lowe (Hand;  
 Push; Broad Gauge; Nar-  
 row Gauge; Logging; Ve-  
 locipede) .....B  
**MICH.—Kalamazoo**  
 Kalamazoo Railway Supply  
 Co. (Dumping; Hand;  
 Push; Inspection; Mine;  
 Motor Inspection; Planta-  
 tion; Steel; Track Laying;  
 Velocipede; Velocipede  
 Gasoline Motor) .....B  
**MICH.—Lansing**  
 Lansing Wheelbarrow Co.  
 (Hand; Push; Mine; Steel  
 Mining; Dump; Freight)  
 AA  
**MICH.—Port Huron**  
 Port Huron Engine &  
 Thresher Co. (Dumping).  
 AAAA  
**MICH.—Saginaw**  
 Bartlett & Co., A. F.  
 (Mine) .....A  
**MICH.—Three Rivers**  
 Roberts Car & Wheel Co.  
 (Hand; Push; Inspection;  
 Track Laying; Veloci-  
 pede) .....B  
 Sheffield Car Co. (Billet;  
 Bridge; Gang; Canopy;  
 Clay; Core Oven; Deep  
 Bottom; Dumping; Flat;  
 Foundry; Hand Dump;  
 Hand; Push; Hot Metal;  
 Slag; Ingot; Inspection;  
 Mine; Motor Inspection;  
 Ore; Plantation; Plate;  
 Sheet Mill; Sill Wood;  
 Steel Mining; Dump;  
 Track Laying; Tram;  
 Transfer; Velocipede; Ve-  
 locipede Gasoline Motor;  
 Weed Cutting; Construc-  
 tion; Wrecking; Road  
 Masters'; Steam Hand;  
 Wood Wheel Hand; Log-  
 ging; Passenger; Dining;  
 Observation; Sleeping;  
 Mill Pond; Electric;  
 Steam Motor; Gas Motor)  
 AA  
**MINN.—Minneapolis**  
 Gillette-Herzog Mfg. Co.  
 (Steel Mining) .....X  
 Peteler Portable Railway  
 Mfg. Co. (Dumping) ....C  
**MO.—Kansas City**  
 Weber Gas & Gasoline En-  
 gine Co., 11th & 12th  
 (Ore; Coal Dump) .....B  
**MO.—St. Charles**  
 St. Charles Car Co. (Con-  
 struction; Dump; Coal;  
 Ore Dump; Drop Bottom;  
 Freight; Oil Tank; Gon-  
 dola; Refrigerator; Hand;  
 Logging; Mine; Passen-  
 ger; Baggage; Drawing  
 Room; Excursion; Dining;  
 Mail; Push; Street Rail-  
 way; Cable; Electric;  
 Steam Motor; Crane) ....  
 AAAA  
**MO.—St. Louis**  
 American Car & Fdry. Co.,  
 706 Chestnut (Billet;  
 Clay; Derrick; Crane;  
 Drop Bottom; Dumping;  
 Flat; Freight; Hand

**CARS (Con.)**

Dump; Hand; Push; Hot Metal; Slag; Inspection; Refrigerator; Baggage; Mail; Observation; Street; Electric; Logging; Mine; Ore; Passenger; Plantation; Steel; Steel Mining; Dump) .....AAAA  
 American Steel Fdry. Co., 509 Olive (Steel) ...AAA  
 Brownell Car Co., 2300 N. B'way (Street; Electric; Freight; Cable; Steam Motor) .....D  
 Ellisons Sons Mfg. Co., Wm. M., 1018 N. 6th (Mine; Amalgam) .....B  
 Ingoldsby Automatic Car. Co., Chemical Bldg. (Drop Bottom; Dumping) AAA  
 Laclede Car Co., 4500 N. 2nd (Street; Electric; Freight; Baggage; Cable; Steam Motor) .....A  
 Ludlow-Saylor Wire Co. (Elevator) .....AA  
 Missouri Car & Fdry. Co. Circus; Freight; Refrigerator; Logging) .....X  
 St. Louis Car Co. (Freight; Passenger; Street Railway; Cable; Electric; Steam Motor) .....AAAA  
 Whitman Agr'l Co., 6900 S. B'way (Coal; Wood; Drop Bottom; Dumping; Hand Dump; Hand; Push; Hot Metal; Slag) .....A  
 Zelnicker Supply Co., Walter A. (Logging) .....X  
**NEBR.—Omaha**  
 Western Electrical Co. (Electric) .....F  
 N. J.—Elizabeth  
 Stephenson, Jno. C. (Flat; Passenger; Street; Electric; Cable) .....AA  
 N. Y.—Albany  
 Dederick's Sons, P. K. (Dump) .....A  
 Osgood Dredge Co. (Derrick) .....A  
 N. Y.—Brooklyn  
 Evans, F. H. (Iron; Coal).C  
 Hecla Iron Wks. (Passenger; Elevator) .....AA  
 Phillips, Doup & Co., 56 Pearl (Clay; Dumping).E  
 Pioneer Iron Wks., 15 William (Plantation; Transfer) .....A  
 N. Y.—Buffalo  
 Buffalo Car Mfg. Co. (Br. Amer. Car & Fdry. Co., St. Louis, Mo.) (Freight) AAAA  
 Buffalo Wire Wks Co. (Elevator) .....A  
 N. Y.—Hillburn  
 Ramapo Iron Wks. (Canopy; Dumping (all kinds) Flat; Freight; Gas Coke; Hand Dump; Hand; Push; Hot Metal; Slag; Industrial Railway; Logging; Mine; Ore; Plantation; Steel; Steel Mining; Dump; Track Laying; Tram).AA  
 N. Y.—Lockport  
 Norman & Evans (Ballast) B  
 N. Y.—Long Island City  
 Daimler Mfg. Co. (Inspection; Street Railway)...AA  
 Stuebner Iron Wks., G. L. Mining; Iron Coal; Ore; Dumping; Push) .....C  
**New York City**  
 American Locomotive Co., 25 Broad (Logging)AAAA  
 Apex Equipment Co. (Dumping; Flat; Freight) .....E  
 Bacon, Earle Co., 26 Cortlandt (Drop Bottom; Dumping; Mine; Steel Mining; Dump) .....D  
 Connelly, Jno. E. (Gas Motor) .....X  
 Davis, Frank, 68 Broad (Mfrs.' Agt.—all kinds of) X  
 Fairbanks Co. (Dump; Rail-

**CARS (Con.)**

road Hand; Sugar Cane).AAAA  
 Goodwin Car Co., 96 5th Av. (Dumping; Ore; Steel; Dumping Railroad).AAAA  
 Hamlin Car & Wheel Mfg. Co., 66 Broad (Dumping; Mine) .....X  
 Hopkins & Co. (Passenger Elevator) .....D  
 Hunt Co., C. W., 45 B'way (Billet; Charging; Core Oven; Derrick; Crane; Dumping; Flat; Foundry; Freight; Gas Coke; Hand; Push; Ingot; Industrial Railway; Plate; Sheet Mill; Shop) .....A  
 Koppel, Arthur, 68 Broad (Mfrs.' Agt.—all kinds of) .....AA  
 Koven & Bro., L. O., 50 Cliff (Dump) .....A  
 Leavitt & Co., C. W., 15 Cortlandt (Mfrs.' Agt.—all kinds of) .....D  
 Mead & Co., Jno. A. (Dumping) .....AA  
 N. J. Fdry. & Machine Co., 15 Murray (Dumping; Flat; Freight; Mine) ...D  
 Standard Mfg. Co. (Steel Mining) .....X  
 Stephenson Co., Jno. (Freight; Passenger)...A  
 Turis' Sons, Jno., 534 W. 28th (Plantation) .....A  
 Wagner Palace Car Co. (Passenger; Dining; Drawing Room; Private; Sleeping) .....C  
 Wendell & McDuffee, 26 Cortlandt (Sprinkling Street Railway) .....B  
 N. Y.—Niagara Falls  
 Dobbie Fdry. & Machine Co. (Derrick; Crane; Dumping) .....B  
 N. Y.—Schenectady  
 General Electric Co. (Electric) .....AAAA  
 N. Y.—Watervliet  
 Jones' Sons, J. M. (Street; Electric; Freight; Passenger; Baggage) .....A  
 N. C.—Statesville  
 Steele & Son, J. C. (Clay).C  
**OHIO—Akron**  
 Webster, Camp & Lane Mach. Co. (Mine; Ore)...A  
**OHIO—Barnesville**  
 Watt Mining Car Wheel Co. (Mine; Freight) .....C  
**OHIO—Bucyrus**  
 American Clay Working Machine Co. (Brick Transfer; Construction; Dump) ...B  
**OHIO—Cambridge**  
 Cambridge Mine Car Co. (Mine) .....X  
**OHIO—Canton**  
 Bonnot Co. (Clay Dredge; Dumping; Transfer) ...B  
 Canton Fdry. & Machine Co. (Coal; Mine; Pit) .....B  
 Structural Steel Car Co. (Clay; Flat; Freight; Gondola; Mine; Ore; Steel; Steel Mining; Dump; Tank) .....X  
**OHIO—Cincinnati**  
 Queen City Carouselle Co., South & Evans (Ballast) H  
 Sayers & Scovill, 2247 Cole-rain Av. (Funeral) ...AA  
 Stacey Mfg. Co., 239 Mill (Coal Elevator) .....A  
 Stewart Iron Wks. (Elevator) .....A  
 Tudor Boiler Mfg. Co. (Tank) .....B  
**OHIO—Cleveland**  
 Atlas Bolt & Screw Co. (Billet; Brick; Charging; Clay; Core Oven; Drop Bottom; Dryer; Dumping; Foundry; Hand; Push; Hot Metal; Slag; Ingot; Logging; Mine; Ore; Plantation; Plate; Sheet Mill; Steel Mining; Dump; Freight) .....A

# CARS (Con.)

Atlas Car & Mfg. Co.  
(Brick; Core Oven;  
Foundry; Railroad; Roll-  
ing Mill; Steel Sugar  
Cane; Tank) .....A  
Bowler & Co. (Freight)....A  
Brown Hoisting Machinery  
Co. (Ltd.) (Dump; Ship)  
AAAA  
Cleveland Car Co. (Billet;  
Brick; Clay; Core Oven;  
Drop Bottom; Dumping;  
Logging; Mine; Ore;  
Plantation; Plate; Sheet  
Mill; Steam Shovel; Steel)  
E  
Gary Iron & Steel Co.  
(Steel) .....A  
McMyler Mfg. Co.  
(Dump) .....A  
Niles Mine & Mill Supply  
Co. (Mine) .....C  
Ohio Ceramic Engineering  
Co., 50 Fall (Brick)....D  
Osborn Mfg. Co. (Core Oven;  
Foundry) .....A  
Tyler Co., W. S. (Elevator)  
AA  
Wellman - Seaver - Morgan  
Co. (Coal; Mine; Pit;  
Ship; Steel) .....AAAA  
OHIO—Collinwood  
Kuhlman Car Co., G. C.  
(Street; Electric; Freight;  
Passenger; Mail) .....A  
OHIO—Columbus  
Jeffrey Mfg. Co. (Dump-  
ing) .....AA  
Kilbourne & Jacobs Mfg. Co.  
(Brick; Core Oven; Dump-  
ing; Hand; Push; Mine;  
Steel; Construction;  
Street Railway) .....AA  
OHIO—Dayton  
Barney & Smith Car Co.  
(Freight; Passenger;  
Street; Electric; Baggage;  
Mail) .....A  
Raymond & Co., W. C.  
(Dumping) .....A  
OHIO—Galion  
Freese & Co., E. M. (Brick  
Transfer) .....C  
OHIO—Hamilton  
Meyers Mfg. Co., F. J.  
(Elevator) .....B  
OHIO—Lima  
Lima Locomotive & Machine  
Co. (Steel Dumping; Log-  
ging; Mine; Steel; Steel  
Mine Dumping; Freight)..  
AA  
OHIO—Marion  
Marrion Steam Shovel Co.  
(Steam Shovel; Wrecking)  
AA  
OHIO—Massillon  
Helmann & Bro., A.  
(Mine) .....C  
OHIO—Nelsonville  
Nelsonville Fdry. & Machine  
Co. (Mine) .....B  
OHIO—Newark  
Jewett Car Co. (Passenger;  
Street; Electric) .....B  
OHIO—New Lexington  
Star Mfg. Co. (Mine) ....C  
OHIO—New Philadelphia  
Spicer Mfg. Co. (Mine)...D  
OHIO—Niles  
Niles Boiler Co. (Core Oven)  
B  
Niles Car & Mfg. Co. (Pas-  
senger; Street; Electric)B  
OHIO—Painesville  
Horton Mfg. Co. (Brick;  
Clay; Dumping) .....C  
OHIO—Ravenna  
Byers, Jno. F. (Derrick;  
Crane) .....B  
OHIO—Salem  
Clark Co., W. J. (Dump).B  
OHIO—Steubenville  
Means Fdry. & Machine Co.  
(Drer) .....D  
OHIO—Toledo  
Donovan Wire & Iron Co.  
(Elevator) .....C  
OHIO—Wellington  
Wellington Machine Co.  
(Brick) .....B  
OHIO—Youngstown  
Pollock Co., W. B.

# CARS (Con.)

(Foundry) .....B  
Youngstown Car Mfg. Co.  
(Freight) .....A  
OHIO—Zanesville  
Griffith & Wedge Co.  
(Mining) .....A  
PA.—Allegheny  
Carlins' Sons, Thomas  
(Dump; Freight; Mill  
Yard) .....A  
PA.—Bangor  
Flory Mfg. Co., S. (Dump-  
ing) .....B  
PA.—Bloomsburg  
Bloomsburg Car Mfg. Co.  
(Dumping; Flat; Freight;  
Mine) .....A  
Harmon-Cogger Co. (Coal;  
Mine; Pit) .....A  
PA.—Brownsville  
Herbertsons' Sons, J. (Mine)  
D  
PA.—Catasauqua  
Lehigh Car Wheel & Axle  
Wks. (Clay; Flat; Mine;  
Ore) .....AAAA  
PA.—Catawissa  
Catawissa Car & Fdry. Co.  
(Dumping; Flat; Mine).D  
PA.—Connellsville  
Connellsville Machine &  
Car Co. (Mine) .....A  
PA.—Corry  
Climax Mfg. Co. (Logging)  
AA  
PA.—Easton  
Sterlingworth Ry. Supply  
Co. (Flat; Freight; Steel)  
A  
PA.—Ellwood City  
Glen Mfg. Co. (Elevator).D  
PA.—Erie  
Erie Car Wks. (Hamilton  
& Knoll) (Caboose; Clay;  
Flat; Freight; Gondola;  
Mine; Ore; Steel; Steel  
Mining; Dump; Tank; Re-  
frigerator) .....B  
PA.—Greensburg  
Hempfield Fdry. Co. (Mine)  
F  
PA.—Harrisburg  
Jackson Mfg. Co. (Billet;  
Core Oven; Foundry; Hot  
Metal; Slag; Mine; Plate;  
Sheet Mill; Steel Mining;  
Dump) .....B  
PA.—Irwin  
Hockensmith Wheel & Mine  
Car Co. (Mine) .....A  
PA.—Lancaster  
Martin Brick Machine Mfg.  
Co., Henry (Dryer;  
Dump) .....B  
PA.—Lebanon  
Lebanon Mfg. Co. (Foundry;  
Coal; Ore Dump; Freight;  
Refrigerator; Mine; Pas-  
senger; Observation) ..X  
Welmer Machine Wks. Co.  
(Hot Metal; Slag;  
Freight) .....A  
PA.—Monongahela  
Monongahela Mfg. Co.  
(Mine) .....C  
PA.—New Castle  
Penn Engineering Wks. (Hot  
Metal; Slag) .....A  
PA.—Osceola Mills  
Stine & Son, S. B. (Mine).D  
PA.—Philadelphia  
Allison Mfg. Co., 708 Chest-  
nut (Derrick; Crane;  
Drop Bottom; Dumping;  
Freight; Hand; Push;  
Logging; Mine; Ore; Plan-  
tation; Track Laying; Oil  
Tank; Refrigerator; Road  
masters'; Steam Hand;  
Passenger; Mail; Steam  
Motor) .....AAAA  
American Car Sprinkler Co.,  
62nd & Woodland Av.  
(Sprinkling Street Rail-  
way) .....X  
Brill Co., J. G., 62 Wood-  
land Av. (Freight; Hand;  
Push; Passenger; Plan-  
tation; Sprinkling Street  
Ry.; Street; Electric;  
Refrigerator; Tramway;  
Sleeping; Cable) ..AAAA  
Darby & Sons, Edward

## CARS (Con.)

(Passenger Elevator)...A  
Link-Belt Engineering Co.,  
Nictown (Coal; Mine;  
Pit) .....A  
McFadden Co. (Construc-  
tion) .....X  
PA.—Pittsburg  
Carlin Co., W. J., 25th &  
A. V. Ry. (Billet;  
Foundry; Hot Metal;  
Slag; Mine; Ore) .....A  
Carroll-Porter Boiler &  
Tank Co. (Oil Tank)...B  
Phillips Mine & Mill Supply  
Co. (Mine; Steel; Wood)  
AA  
Porter Co., H. K. (Street  
Railway) .....AA  
Pressed Steel Car Co.,  
Trademen Bldg. (Freight;  
Steel) .....AAAA  
Ritter-Conley Mfg. Co.  
(Tank) .....AA  
Schoen Pressed Steel Co.  
(Freight; Steel Mining).B  
Standard Steel Car Co.,  
Frick Bldg. (Freight;  
Steel; Wood; Composite;  
Steel Mining; Dump)....  
AAAA  
Union Fdry. & Machine Co.  
(Hot Metal; Slag) .....O  
PA.—Pittston  
Exeter Machine Wks.  
(Mine) .....B  
PA.—Scottdale  
Kenny & Co. (Mine).....A  
PA.—Shamokin  
Muller & Son, Jno. (Drift)  
A  
PA.—Tamaqua  
Tamaqua Mfg. Co. (Mine).B  
PA.—Warren  
Struthers, Wells & Co.  
(Oil Tank) .....AA  
PA.—Wilkesbarre  
Vulcan Iron Wks. (Dump-  
ing; Hot Metal; Slag).AA  
PA.—Williamsport  
Moltz, Jacob J. (Logging)  
D  
PA.—York  
Billmeyer & Small Co.  
(Dumping; Freight; Hand;  
Push; Logging; Mine;  
Passenger; Construction)  
AA  
Dempwolf & Co., C. H.  
(Dump) .....B  
TENN.—Chattanooga  
Chattanooga Car & Fdry. Co.  
(Drop Bottom; Dumping;  
Freight; Hand; Push;  
Logging; Mine; Planta-  
tion Oil Tank) .....A  
TENN.—Knoxville  
Scott's Patent Brick Car  
Co. (Brick) .....C  
TENN.—Memphis  
Bodley Wagon Co. (Drop  
Bottom; Plantation;  
Tram; Dump) .....B  
TEXAS.—Marshall  
Marshall Car Wheel & Fdry.  
Co. (Logging) .....A  
TEXAS.—Fine Bluff  
Dilley & Son, Geo. M.  
(Logging) .....D  
VT.—Rutland  
Lincoln Iron Wks. (Freight)  
B  
VA.—Richmond  
Tredegear Co. (Freight; Oil  
Tank; Refrigerator; Log-  
ging; Mine; Passenger)...  
AAA  
WASH.—Spokane  
Union Iron Wks. (Ore)...A  
W. VA.—Fairmount  
Helmick Fdry. Machine Co.  
(Mine) .....D  
WIS.—Cudahy  
Power & Mining Machinery  
Co. (Charging; Hot Metal;  
Slag; Mine; Ore; Steel  
Mining; Dump) .....AA  
WIS.—Milwaukee  
Allis-Chalmers Co. (Mining)  
AAAA  
Filer & Stowell Co. (Ltd.)  
(Coal Elevators) .....AAA  
WIS.—Racine  
Mitchell & Lewis Co.  
(Dumping) .....AA

## CARTONS

See Boxes; Paper

## CARTRIDGES

See also Shells

CAL.—San Francisco  
Selby Smelting & Lead Co..  
AAA  
CONN.—Bridgeport  
Union Metallic Cartridge  
(Co. (Rifle, etc.))...AAAA  
CONN.—New Haven  
Winchester Metallic Car-  
tridge Co. (Rifle, etc.)..  
AAAA  
ILL.—Alton  
Western Cartridge Co.  
(Rifle; Revolver, etc.)A  
MASS.—Chicopee  
Ames-Leonard Co. ....B  
MASS.—Lowell  
U. S. Cartridge Co. (Rifle,  
etc.) .....AA  
New York City  
Von Lengerke & Detmold  
(Shotgun) .....A  
N. Y.—Utica  
Savage Arms Co. (Rifle)..A  
OHIO—Cincinnati  
Peters Cartridge Co. (The)  
(Rifle, etc.) .....AAA  
OHIO—Cleveland  
Chamberlain Cartridge &  
Target Co. (Shotgun) ...B

## CARTS

See also Carriages & Wag-  
ons

ALA.—Mobile  
Southern Log Cart & Supply  
Co. (Dog.) .....A  
CONN.—Danielson  
Jacobs Mfg. Co., E. H.  
(Hose) .....B  
ILL.—Bradley  
Bradley Mfg. Co., David  
(Hand) .....AAA  
ILL.—Canton  
Parlin & Orendorff Co.  
(Hand) .....AAAA  
ILL.—Chicago  
Borden & Sellick Co., 48  
Lake (Push) .....B  
Chicago Scale Co. (Push)..A  
Fairbanks, Morse & Co.  
(Barrel) .....AAAA  
ILL.—Downers Grove  
Dicke Tool Co. (Linemen's)  
O  
ILL.—Galva  
Hayes Pump & Planter Co.  
(Hand; Barrel) .....A  
ILL.—Harvey  
Austin Mfg. Co. (Street  
Sprinkling; Garbage)..AA  
ILL.—Havana  
Havana Metal Wks. Co.  
(Barrel) .....A  
ILL.—Oregon  
Entyre & Co., E. L. (Street  
Sprinkling) .....D  
ILL.—Sandwich  
Sandwich Mfg. Co.  
(Hand; Barrel) .....AA  
ILL.—Sterling  
Novelty Iron Wks. (Barrel)  
E  
ILL.—Sycamore  
Patton Co., Frank C.  
(Hand; Barrel) .....B  
IND.—Anderson  
Anderson Bridge & Scraper  
Co. (Street Sprinkling).D  
IND.—Gooshe  
Kelly Fdry. & Mach. Co.  
(Barrel) .....A  
Walker-Lewis Carriage Co.  
(Hand) .....B  
IND.—South Bend  
Studebaker Bros. Mfg. Co.  
(Hose; Street Sprinkling;  
Hand; Barrel) .....AAAA  
Winkler Bros. (Street  
Sprinkling) .....B  
LA.—New Iberia  
Bernard, A. M. (Cane)...D  
MAINE—South Paris  
Paris Mfg. Co. (Pony)...A

**CARTS (Con.)****MASS.—Boston**  
Ames Plow Co. (Farm; Ox;  
Railroad; Hand) ..AAAA**MICH.—Lansing**Lansing Wheelbarrow Co.  
(Street Sprinkling; Hand;  
Barrel; Coal; Dump;  
Laundry; Log; Water;  
Push; Water) .....AAA**MICH.—Port Huron**Port Huron Engine &  
Thresher Co. (Road  
Spreading; Sprinkling) ...  
AAA**MICH.—Three Rivers**Sheffield Car Co. (Coal;  
Drop Bottom; Crushed  
Ice) .....AA**MINN.—Minneapolis**Howell & Co., R. R. (Bar-  
rel) .....B

Nott Fire Engine Co. (Hose) .....B

Puffer Hubbard Mfg. Co.  
(Hand; Barrel) .....CMacLeod & Smith (Black-  
ing) .....B**MO.—St. Louis**Cooney Mfg. Co., P. J.  
(Hose) .....CLuedinghaus - Espenschild  
Wagon Co. (Railroad) ..AAWhitman Agricultural Co.  
(Hand) .....AAZelnicker Supply Co., Wal-  
ter A. (Log) .....X**N. H.—Concord**  
Abbott-Downing Co. (Hose;  
Street Sprinkling) .....X**N. J.—Grenloch**  
Bateman Mfg. Co. (Barrel;  
Push) .....A**N. Y.—Frankford**  
Acme Road Machinery Co.  
(Hand; Street Sweeping;  
Sprinkling) .....B**New York City**  
Am. Fire Engine Co., 85  
Liberty (Hose) .....XFairbanks Co., 416 Broome  
(Hose; Hand; Barrel; De-  
livery; Dump); Lumber;  
Push; Steel) .....AAAAFarquhart & Co., A. B., 21  
Cotton Exch. (Hand) ..AAHayward & Co., S. F., 20  
Warren (Hose) .....DInternational Fire Engine  
Co. (Hose) .....AAAAWoodhouse, J. S. (Street  
Sprinkling) .....C**N. Y.—Oneida**  
Aubeuf, Frank J. (Hand) ..CSchubert Bros. Gear Co.  
(Hand) .....C**N. Y.—Rochester**  
Stewart, A. F. & S. C.  
(Hose) .....E**N. Y.—Seneca Falls**  
American La France Fire  
Engine Co. (Hose) .....BGoulds Mfg. Co. (Hose) ..  
AAARumsey & Co. (Ltd.)  
(Hose) .....A**N. Y.—Syracuse**  
Syracuse Chilled Plow Co.  
(Hand; Barrel; Push) ..AA**OHIO—Canton**  
Aultman Co. (Street Sprink-  
ling) .....AAAA**OHIO—Cincinnati**  
Kislinger-Ison Co., 466  
Pioneer (Street Sprink-  
ling) .....D**OHIO—Columbus**  
Buckeye Buggy Co. (Break-  
ing) .....AAAKilbourne & Jacobs Mfg. Co.  
(Hand; Barrel; Dump;  
Ox; Railroad; Push; Lum-  
ber) .....AAAA**OHIO—Mansfield**  
Lean Roderick Mfg. Co.  
(Hand; Barrel) .....AA**OHIO—South Paris**  
Walborn & Riker (Hose) ..X**OHIO—Springfield**  
Mast & Co., P. P. (Hand) ..  
AAAA**OHIO—Toledo**  
Gendron Wheel Co. (Toy) ..AA**CARTS (Con.)**Milburn Wagon Co. (Barrel)  
AAA**PA.—Kennett Square**American Road Machine Co.  
(Road Spreading) .....AAGood Roads Machinery Co.  
(Road Spreading) .....D**PA.—Mechanicsburg**  
Coinstock, Geo. L. (Barrel)  
O**PA.—Philadelphia**  
Wirt & Knox Mfg. Co., 219  
N. 3d (Hose) .....D**PA.—Pittsburg**  
Watson Wooden Tank Co.,  
418 3d Av. (Sprinkling) ..E**TENN.—Memphis**  
Bodley Wagon Co. (Cane) A**VT.—Battleboro**  
Battleboro Mfg. Co. (Hose)  
D**VA.—Norfolk**  
Whitehurst Co., R. W.  
(Hand; Barrel; Push) ...B**WIS.—Kenosha**  
Bain Wagon Co. (Railroad)  
AAA**WIS.—Milwaukee**  
Meineck & Son, A (Push) ..  
AA**WIS.—Racine**  
Belle City Mfg. Co. (Barrel;  
Hand) .....BWinship Mfg. Co. (Street  
Sprinkling) .....E**CARVINGS**

See also Woodwork

**MAINE—Portland**  
Berlin Mills Co. (Wood)  
AAAA**MD.—Baltimore**  
Melslahn & Co., C. F., 19  
Clay (Hand) .....D**MASS.—Boston**  
Stearns Lumber Co., A. T.  
(Classic Wood) .....A**MICH.—Grand Rapids**  
Grand Rapids Wood Carving  
Co. (Wood) .....D

Waddell Mfg. Co. (Wood) ..B

**New York City**  
Herts Bros. (Wood) .....X

Hess &amp; Co., D. S. (Wood) ..A

Kimbel &amp; Sons, A (Wood) ..A

Lamb, J. &amp; R. (Wood) ...D

**CASCARA****MICH.—Detroit**  
Parke, Davis & Co. ....AAAA**N. Y.—Buffalo**  
Schoellkopf Hartford &  
Hanna Co .....AAA**New York City**  
Hopkins Co., J. L. ....A

Lehn &amp; Fink .....AAA

McKesson &amp; Robbins. ....AAAA

Parke, Davis &amp; Co. ....AAAA

**OREGON—Portland**  
Heltscher & Co., S .....D**CASES**See also Boxes; Furniture;  
Leather Goods**CAL.—San Francisco**  
Herring, Richard (Cabinet  
Book) .....F**CONN.—Meridan**  
Meridan Britannia Co. (Sil-  
ver Card; Playing Card)  
AAAAParker Co., Chas. (Specta-  
cle; Eye Glass) .....AAAWillcox Silver Plate Co.  
(Jewelry) .....AAA**CONN.—New Haven**  
English & Mersick Co. (Toi-  
let) .....BMallory-Wheeler Co. (Spec-  
tacles) .....AANew Haven Clock Co. (Rail-  
road Ticket) .....AAA**CONN.—Wallingford**  
Wallace Sons Mfg. Co., R.  
(Leather; Silver Card;  
Cigar; Cigarette; Specta-  
cle; Eye Glass) ....AAAA**CONN.—Waterbury**  
Scovil Mfg. Co. (Cigar; Cig-

# **CASES (Con.)**

arette) .....AAAA  
**DEL.**—Wilmington  
 Delaware Hard Fibre Co.  
 (Fibre) .....A  
**GA.**—Atlanta  
 Hall & Co., L. H. (Burial) B  
**ILL.**—Altamont  
 Altamont Mfg. Co. (Egg) .D  
**ILL.**—Chicago  
 Acme Box Co., 306 S. Clinton  
 (Egg) .....D  
 Amberg File & Index Co.  
 Filing) .....A  
 Andrews Co., A. H. (Map)  
 AA  
 Ball & Bro., A (Playing  
 Card) .....AA  
 Bodach, Chas. (Show) ...B  
 Boekel & Co., Wm. (Needle)  
 X  
 Central Mfg. Co. (Book) .A  
 Chicago Case Mfg. Co., 75  
 W. Monroe (Eye Glass) E  
 Chicago Plush & Leather  
 Case Co., 126 Dearborn  
 (Plush; Leather; Jewelry)  
 X  
 Creamery Package Mfg. Co.,  
 182 Kinzie (Egg) AAAA  
 Dick Co., A. B. (Legal  
 Blank) .....AA  
 Fitzgerald Trunk Co. (Sam-  
 ple) .....A  
 Gilgen, Peter, Mrs. (Musical  
 Instrument) .....F  
 Haskell Bros. (Liquor; Sam-  
 ple) .....A  
 Hausmann & Dunn (Clinical  
 Thermometer; Urine Test)  
 C  
 Lyon & Healy (Musical In-  
 strument) .....AAAA  
 Redlich Mfg. Co., 2 Oak  
 (Wooden Mailing) .....C  
 Union Show Case Co. (Jew-  
 elers Show) .....B  
 Warren Mfg. Co., Masonic  
 Temple (Catalogue; Cut-  
 lery; Display; Screw;  
 Bolt) .....B  
 Western Box Co. (Mailing)  
 E  
 Western Jewelry Case Co.,  
 208 State (Jewelry) ...F  
 Western Leather Mfg. Co.  
 (Medicine; Vial; Black-  
 ing; Leather Card; Cigar;  
 Toilet Traveling) .....D  
 Wilt, Chas. T. (Coupon;  
 Dressing; Hat; Sample;  
 Suit; Telescope; Trunk;  
 Toilet) .....B  
**ILL.**—Elgin  
 Illinois Watch Case Co.  
 (Gold; Silver; Nickel  
 Watch) .....AA  
**ILL.**—Quincy  
 Knittel Show Case Co., Jos-  
 eph (Show) .....A  
 Quincy Show Case Wks.,  
 (Jewelers; Show) .....A  
 Stahl, Geo. H. (Show) ..D  
**ILL.**—Rockford  
 Central Furniture Co. (Book)  
 A  
 Forest City Furniture Co.  
 (Book) .....A  
 Rockford Burial Case Co.  
 (Burial) .....B  
**ILL.**—Sterling  
 Rock Falls Mfg. Co. (Bur-  
 ial) .....A  
**IND.**—Decatur  
 Decatur Egg Case Co., W. H.  
 (Physicians') .....B  
 Udell Works (Blacking) .A  
**IND.**—New Castle  
 Krell French Piano Co. (Pi-  
 ano) .....AA  
**IND.**—Richmond  
 Hutton & Co., J. M. (Burial)  
 A  
**IOWA**—Burlington  
 Embalming Burial Case Co.  
 (Burial) .....B  
**IOWA**—Cedar Rapids  
 Cherry, J. G., Co. (Egg) ..C  
**IOWA**—Clinton  
 Smith & Son, F. (Egg) ...C  
**IOWA**—Dubuque  
 Iowa Coffin Co. (Burial) AA  
**IOWA**—Sioux City  
 Curtis Sash & Door Co.  
 (Show) .....AA

# **CASES (Con.)**

**IOWA**—Waterloo  
 Weis Henry (Egg) .....A  
**MAINE**—Kennebunk  
 Leatheroid Mfg. Co. (Hat;  
 Spy Glass) .....A  
**MASS.**—Athol  
 Bates Bros. Co. (Card) ...B  
**MASS.**—Attleboro  
 Bates & Bacon (Gold; Filled  
 Watch) .....AAA  
 Blake Co., Jas. E. (Cigar;  
 Cigarette; Pencil) ....A  
 Inman & Co., J. T. (Cigar;  
 Cigarette) .....D  
**MASS.**—Boston  
 Cummings' Son & Co., Josiah  
 (Sample) .....C  
 Davenport, Albert H. (Dress-  
 ing) .....AA  
 Dennison Mfg. Co. (Morocco;  
 Plush; Jewelry; Mailing;  
 Playing) .....AAAA  
 Golding & Co. (Printers) ..B  
 Margot, Eugene F. (Gold  
 Watch) .....E  
 Monson Maine State Co., 118  
 Devonshire (Slate Burial;  
 Vaults) .....X  
 New England Novelty Mfg.  
 Co. (Needle) .....H  
 Orient Mfg. Co. (Eye Glass)  
 X  
 Paine Furniture Co. (Book)  
 A  
 Rand-Avery Supply Co.  
 (Coupon; R. R. Ticket)  
 AA  
 U. S. Mailing Case Co., 40  
 Water (Mailing) .....F  
 White & Son, W. B. (Leath-  
 er Card; Spectacle; Eye  
 Glass) .....D  
 Sturdy Mfg. Co., W. A.  
 (Cigar; Cigarette) ....B  
**MASS.**—Florence  
 Florence Furniture Co. (Bur-  
 ial) .....C  
**MASS.**—Leominster  
 (Piano) .....C  
 Richardson Piano Case Co.  
 (Piano) .....B  
**MASS.**—Southbridge  
 American Optical Co. (Trial;  
 Spectacle; Eye Glass; also  
 Frames) .....AAA  
**MASS.**—So. Deerfield  
 Arms Mfg. Co. (Card) ...B  
**MASS.**—Westfield  
 Crane Bros. (Bicycle Tour-  
 ists; Gun; Musical Instru-  
 ment) .....AAA  
**MASS.**—Worcester  
 Maynard-Gough Co. (Mail-  
 ing) .....E  
 Torrey & Co., J. R. (Cutlery;  
 Shaving; Toilet) .....A  
 Warren Leather Goods Co.  
 (Medicine; Blacking; Card;  
 Dressing; Drinking Cup;  
 Fishing Rod; Gun; Lence;  
 Musical Instrument; Re-  
 galia; Sample; Sporting  
 Goods; Sword; Telescope;  
 Trunk Toilet; Spectacle;  
 Eye Glass) .....B  
**MICH.**—Bay City  
 Vance Box Co., E. J. (Ltd.)  
 (Egg) .....B  
**MICH.**—Benton Harbor  
 Spencer & Barnes Co.  
 (Dressing) .....A  
**MICH.**—Detroit  
 Detroit Casket Co., 179 W.  
 Congress (Burial) .....B  
 Detroit Show Case Co. (Jew-  
 elers Show) .....C  
 Hargraves Mfg. Co. (Toi-  
 let) .....A  
 Johnston Optical Co. (Spec-  
 tacles; Eye Glass) .....A  
 Mancha Show Case Co.  
 (Show) .....C  
 Parke, Davis & Co. (Veter-  
 inary) .....AAAA  
 Phillips & Co., John (Ltd.)  
 (Show) .....C  
 Widman & Co., C. D. (Show)  
 A  
 Wolverine Burial Case Co.  
 (Burial) .....F  
**MICH.**—Grand Rapids  
 Berkey & Gay Furniture Co.  
 (Book; Cabinet Book) .AA  
 Grand Rapids Chair Co.

# CASES (Con.)

(Cabinet Book) .....AA  
Grand Rapids Fixtures Co.  
(Shoes) .....B  
Grand Rapids Piano Case Co.  
(Piano) .....B  
Mater Furniture Co., Nelson  
(Book) .....AA  
Phoenix Furniture Co.  
(Book) .....AA  
Powers & Walker Casket Co.  
(Burial) .....A  
Royal Furniture Co. (Book)  
A  
Sligh Furniture Co. (Book)  
AA  
**MICH.**—Ludington  
Tubbs Mfg. Co. (Type) ...B  
**MICH.**—St. Joseph  
Wells, Highman & Co. (Egg)  
A  
**MINN.**—Minneapolis  
McLeod & Smith (Blacking)  
B  
Paulle, L. (Jewelry; Show) B  
**MINN.**—North St. Paul  
Luger Furniture Co. (Book)  
A  
**MINN.**—St. Paul  
Osgood & Blodgett Mfg. Co.  
(Egg) .....A  
**MO.**—Kansas City  
Abernathy Furniture Co.  
(Burial; Dressing) ...AA  
Frelling, N. M. (Telescope;  
Optical) .....D  
**MO.**—St. Louis  
Pauk & Sons Mfg. Co., H.  
(Show) .....A  
St. Louis Coffin Co. (Burial)  
AA  
Scarritt-Comstock Furniture  
Co. (Book) .....A  
Straus Saddlery Co., Jacob  
(Gun) .....A  
**N. H.**—Tilton  
Lord Optical Co., Albert C.  
(Spectacle; Eye Glass) .H  
**N. J.**—Jersey City  
Dodge & Bliss Co. (Liquor)  
AA  
**N. J.**—Montclair  
Heller & Co., W. C. (Seed;  
Screw; Bolt) .....F  
**N. J.**—Newark  
Courvoisier-Wilcox Mfg. Co.  
(Gold; Filled Watch) ...AA  
Crescent Watch Case Co.  
(Gold; Silver; Nickle;  
Filled Watch) .....AAA  
Durand & Co. (Inc.) (Gold  
Watch) .....AA  
Hemmer Bros. (Book) ...B  
Kleinmeick, Hugo (Musical  
Instrument) .....X  
Lefort, Henry G. (Gold  
Watch) .....C  
Maulbetsch & Whittemore  
(Letter; Musical Instru-  
ment) .....D  
Peddie & Co., T. B. (Inc.)  
(Sample; Toilet; Travel-  
ing) .....AA  
**N. J.**—Riverside  
Philadelphia Watch Case Co.  
(Gold; Gold Plated; Filled  
Watch) .....A  
**N. Y.**—Brooklyn  
Cooper & McKee (Blacking)  
A  
Hauck & Son, Chas. J.  
(Cigar; Cigarette; Specta-  
cle; Eye Glass) .....B  
Morgan Casket Co., Park &  
Nostrand Av. (Burial) ...C  
Roy Watch Case Co. (Gold  
Watch) .....C  
Scott & Co., N. S. (Show) .B  
Smith, Freeborn G. (Piano)  
AAA  
Solidarity Watch Case Co.  
(Gold Watch) .....B  
Sweeney Mfg. Co., W. H.  
(Comb) .....A  
Thompson & Norris Co.  
(Mailing) .....AA  
**N. Y.**—Buffalo  
Apel, Herman (Hard Wood;  
Medical Battery; Jewelry)  
F  
Buffalo Jewelry Case Co.,  
829 Bway (Jewelry) ...B  
National Jewelry Case Co.,  
70 Exchange (Jewelry) .D  
Shepard & Co., Sidney  
(Comb; Filing) ....AAAA

# CASES (Con.)

Springfield Mfg. Co., 68 E.  
Utica (Jewelry) .....D  
**N. Y.**—East Syracuse  
Benedict Mfg. Co., M. S.  
(Card) .....AA  
**N. Y.**—Geneva  
Standard Optical Co. (Trial;  
also Frames) .....A  
**N. Y.**—Jamestown  
American Mfg. Concern  
(Pencil) .....A  
Fenton Metallic Mfg. Co.  
(Pigeon Hole) .....A  
New York City  
Abercrombie & Fitch Co.,  
314 Bway. (Fibre; Gun;  
Medicine) .....B  
Alken, Lambert & Co. (Inc.)  
(Pen) .....A  
Alling & Co. (Cigarette) AA  
Alstermo Fibre Co., 58  
Thomas (Fibre Dress Suit)  
X  
American Morocco Case Co.,  
131 W. 31st (Morocco;  
Jewelry) .....D  
American Railway Supply  
Co., 24 Park Pl. (Railroad  
Ticket) .....X  
American Tool Chest Co.  
(Amateur; Tool) .....C  
American Type Founders'  
Co. (Printers Type) AAAA  
American Watch Case Co.  
(Gold Watch) .....B  
Biele, Chas. F. (Show) ...B  
Boorum & Pease Co. (Bank-  
ers' Leather) .....AAA  
Celluloid Co. (Manicure,  
Shaving; Traveling) ...A  
Comstock-Hoff Mfg. Co.  
(Shaving) .....D  
Conradix Mfg. Co., 85 E.  
19th (Jewelry) .....D  
Crouch & Fitzgerald (Hat;  
Samples; Traveling) ...A  
Deutsch Bros. (Cigar) ...AA  
Diemer, John F. (Filing) .D  
Doll Mfg. Co., W. F.  
(Watch) .....D  
Estes & Sons, E. B. (Mail-  
ing) .....AA  
Ettlinger & Sons, Louis  
(Silverware; Jewelry) .D  
Faber, Eberhard (Pencil)  
AAA  
Fairchild & Johnson Co.  
(Pen; Pencil) .....D  
Foley, John Jr. (Pencil) ...D  
Goodyear Rubber Co. (Pis-  
tol; Traveling) ....AAAA  
Goodyear's India Rubber  
Glove Mfg. Co. (Caustic;  
Pencil) .....AAAA  
Gorham Mfg. Co. (Cigar;  
Cigarette; Manicure; Sil-  
ver Card) .....AAAA  
Green, A. H., 22 Park Pl.  
(Screw; Bolt) .....X  
Gutta Percha & Rubber Mfg.  
Co. (Telephone Receiver)  
AAAA  
Hebbard & Bros. (Jewelry) D  
Hennings, Wm. (Jewelry) D  
Herrell Leather Goods Co.,  
552 Bway. (Cigar; Cigar-  
ette; Manicure) .....X  
Hodgman Rubber Co. (Pis-  
tol; Traveling) .....AA  
Hoe & Co., R. (Printers';  
Type) .....AAAA  
Improved Mailing Case Co.,  
Inc., 158 W. Bway. (Mail-  
ing for Liquids) .....F  
International Silver Co., 9  
Malden Lane (Silver Plat-  
ed Card; Match) ....AAAA  
Johnson & Co., E. S. (Pen-  
cil) .....D  
Kaufmann, Max (Shaving) X  
Keller & Untermyer Mfg.  
Co., (Gold; Watch) AA  
Kleeman & Co., Wm., 54th  
& 11th Av. (Jewelers;  
Show) .....B  
Knapp Co., John H. (Pen;  
Pencil) .....D  
Kraft & Sons, Theo. (Violin)  
F  
Krueger Reinhold, 75 Nassau  
(Jewelry) .....H  
Lamb, J. & R. (Cabinet)  
E  
Liberty Machine Co. (Type)  
B

# **CASES (Con.)**

Lissa & Co., Henry (Sample Book) .....D  
 Livingston & Co., L (Writing) .....B  
 London Needle Co. (Needle) .....X  
 Lowy, A., 6 Wooster (Telescope Dress) .....F  
 Lyons & Co., Hugh, 679 Bway. (Jewelers; Show) A  
 Mable, Todd & Bard (Pen) A  
 Mace & Co., L. H. (Black- ing) .....B  
 Mechanical Rubber-Co. (Clinical Thermometer) AAAAA  
 Myers Co., S. F. (Gold; Filled Watch) .....D  
 Nadelman Bros., 229 Grand (Jewelry) .....G  
 Robin Co., (Clinical) .....X  
 New York Agricultural Co., 51 Cliff (Truck) .....X  
 Robin Co., J. T., 52 Duane (Advertising; Show) .....D  
 Ryan & Son, John (Packing) D  
 Schener & Bros (Card) .....X  
 Smith & Co., H. M. (Pencil) E  
 Spalding & Bros., A. G. (Inc.) (Ammunition; Cartridge; Gun) .....AAAA  
 Spencer Optical Co. (Spectacle; Eye Glass; Trial; also Frames) .....C  
 Springfield Mfg. Co., 40 Maiden Lane (Jewelry) X  
 Thornton & Co., John (Needle) .....B  
 Taylor & Co., H. E., 510 E. 22d (Burial) .....A  
 Tiffany & Co. (Inc.), Bway. & 15th (Silver Card) AAAAA  
 Todd & Co. (Pen) .....C  
 Tonk & Bros., Wm., 452 10th Av. (Musical) .....C  
 U. S. Mailing Pub. Co., 122 Centre (Mailing) .....D  
 Von Lengerke & Detmold Ammunition; Cartridge) A  
 Ware, R. F. (Mailing) .....E  
 Weil & Sons, L., 32 Maiden Lane (Jewelry) .....B  
 Weinhausen, Henry (Medicine) .....B  
 Wiggers & Froelick (Jewelers' Sample) .....B  
 Wittermann Bros. (Liquor) A  
 Wolfsheim & Sachs, 40 Maiden Lane (Velvet; Plush; Morocco for Jewelry, etc.) B  
**N. Y.—Poughkeepsie**  
 Poughkeepsie Art Pulp Co. (Dress Suite; Telescope Samples; R. R. Conductors') .....F  
**N. Y.—Rochester**  
 Copeland & Durgin Co. (Book) .....A  
 Ideal Couch & Casket Co. (Burial) .....B  
 Likly & Co., Henry (Sample; Suit) .....A  
 National Casket Co. (Burial) AAAAA  
 Rochester Show Case Works (Show) .....D  
 Yawman & Erbe Mfg. Co. (Book; Pigeon Hole) AA  
**N. Y.—Sag Harbor**  
 Fahs Watch Case Co. (Gold; Silver; Nickel; Filled Watch) .....A  
**N. Y.—Seneca Falls**  
 Westcott-Jewell Co. (Egg) D  
**N. Y.—Syracuse**  
 Brown Furniture Co., C. G. (Book) .....B  
**N. Y.—Utica**  
 Savage Arms Co. (Guns; Pistol) .....A  
**N. Y.—Yonkers**  
 India Rubber & Gutta Percha Insulating Co. (Telephone Receiver) .....B  
**OHIO—Akron**  
 Goodrich Co., B. F. (Telephone Receiver) AAAAA  
**OHIO—Canton**  
 Danner Mfg. Co., John (Revolving Show) .....D  
 Dueber Watch Case Mfg. Co.

# **CASES (Con.)**

(Gold Watch) .....AAAA  
**OHIO—Cincinnati**  
 Ballman Cabinet Co. (Book) C  
 Cincinnati Coffin Co. (Burial) .....AA  
 Crane & Breed Mfg. Co. (Metallic Burial) .....AA  
 Dornette & Bro., J. (Pigeon Hole) .....A  
 Drucker & Co., N. (Sample) A  
 Duhme Jewelry Co. (Gold Watch) .....AA  
 Globe-Wernicke Co. (Book) Sectional; Document; Letter; Pigeon Hole) AAAAA  
 Holland Gold Pen Co., John H. (Pen) .....B  
 Kriemer & Bros. Co. (Book) AA  
 Kruse Show Case Co. (Show) E  
 Schmitt Show Case Co. (Show) .....C  
 Western Tray Factory (Sample) .....F  
 Wiggins & Sons Furniture Co., H. H. (Book) .....B  
**OHIO—Cleveland**  
 Cleveland Burial Case Co. (Burial) .....AA  
 Cleveland Store Fixture Co. (Telephone; Jewelers; Show) .....B  
 Cleveland Twist Drill Co. (Cox & Prentiss) (Drill) A  
 Federal Mfg. Co. (Automobile Gear; Micrometer) AAAAA  
 Likly & Rockett (Sample) B  
 Pollard, Fred. (Show) ....B  
 Van Dorn Iron Wks. Co. (Steel; Document; File) AA  
**OHIO—Columbus**  
 Columbus Show Case Co. (Show; all Glass) .....D  
 Sun Mfg. Co. (Show; Glass) A  
**OHIO—Dayton**  
 American Bolt & Screw Case Co. (Bolt; Screw; Printers') .....D  
**OHIO—Defiance**  
 Defiance Box Co. (Egg) AA  
**OHIO—Fostoria**  
 Coll Filler & Package Co., W. D. (Egg) .....X  
**OHIO—Lima**  
 Lima Egg Case Co. (Egg) AAAAA  
**OHIO—Springfield**  
 Springfield Metallic Casket Co. (Burial) .....A  
 Wilson & Sons, Geo. (Egg) C  
**PA.—Bangor**  
 American Slate Co. (Slate Burial; Vaults) .....AA  
 Bangor Crescent Slate Co. (Slate Burial; Vaults) ..B  
**PA.—Bristol**  
 Wilton Mfg. Co. (Jewelers; Show) .....D  
**PA.—Delta**  
 Peerless Slate Co. (Slate Burial Vaults) .....D  
**PA.—East Bangor**  
 East Bangor Consolidated Slate Co. (Slate Burial; Vaults) .....AA  
**PA.—Easton**  
 Penna. Structural Slate Co. (Slate Burial; Vaults) ..B  
**PA.—Erie**  
 Erie Burial Case Co. (Burial) .....B  
 Exhibition Show Case Co. (Glass; Show) .....B  
**PA.—Harrisburg**  
 Harrisburg Burial Case Co. (Burial) .....A  
**PA.—Philadelphia**  
 Birmingham & Co., Wm., 4054 Haverford Av. (Spectacle; Eye Glass) .....C  
 Clark & Co., Thos. (Book) D  
 Hale & Kilburn Mfg. Co. (Blacking) .....AAAA  
 Hall & Garrison (Book) ..X  
 Hawthorne & Sheble (Photograph Record) .....B  
 Keystone Watch Case Co. (Gold; Silver; Electro;



**CASES (Con.)**

Filled; Nickle Watch) **AAAA**  
**Kimes & Co., J. B., 1822 Fil-**  
**bert (Slate Burial; Vaults)** **O**  
**Langfield Bros. & Co. (Writ-**  
**ing)** **AA**  
**McIntire Magee & Brown**  
**(Spy Glass)** **A**  
**Muhr's Watch Case Co.**  
**(Gold; Filled; Nickle)** **D**  
**Rosenblatt & Co., H. M., 22d**  
**& Oxford (Musical Instru-**  
**ment)** **A**  
**Rumpp & Sons, C. F. (Cigar,**  
**Photograph; Sample; Tol-**  
**let; Dressing; Card; Medi-**  
**cine; Writing)** **AAA**  
**Sheip Mfg. Co., H. H. (Jew-**  
**elry; Tollet)** **AA**  
**Simons Bros. & Co. (Mani-**  
**cure)** **A**  
**Sommer & Co., H. B., 628**  
**Arch (Jewelry)** **O**  
**Varwig & Bro., H., 900**  
**Chestnut (Jewelry)** **C**  
**Weaver Mailing Env. & Box**  
**Co. (Mailing)** **D**  
**PA.—Pittsburg**  
**Budke Mfg. Co. (Cartridge)** **B**  
**Lorsch Bros. (Burial)** **D**  
**Pittsburg Show Case Co.**  
**(Ltd.) (Show)** **D**  
**PA.—Walnutport**  
**Hahn Granville (Slate Bur-**  
**ial; Vaults)** **E**  
**R. I.—Providence**  
**Barstow & Williams (Cigar;**  
**Cigarette)** **C**  
**Clark Mfg. Co. (Burial)** **B**  
**Cross, A. F. (Pen; Pencil)** **C**  
**Household Sewing Machine**  
**Co. (Barbers' Cup)** **D**  
**Providence Stock Co. (Mani-**  
**cure)** **D**  
**TENN.—Chattanooga**  
**Loomis & Hart Mfg. Co.**  
**(Knocked Down Burial)** **AA**

**TENN.—Memphis**  
**Anderson-Tully Co. (Egg)** **AAA**

**UTAH—Salt Lake City**  
**Culmer & Bros., G. F.**  
**(Show)** **A**

**VT.—Bristol**  
**Drake, Smith & Co. (Mail-**  
**ing)** **B**

**VT.—Fair Haven**  
**Dalrymple Iron Wks.**  
**(Wheel)** **E**

**Pelkey, W. H. (Slate Bur-**  
**ial; Vaults)** **E**

**VT.—Lunenburg**  
**Lunenburg Mfg. Co. (Burial)** **F**

**VT.—Poultney**  
**Fleming Slate Co. (Slate**  
**Burial; Vaults)** **C**

**VA.—Arvonla**  
**Williams Slate Co. (Slate**  
**Burial; Vault)** **B**

**VA.—Grottoes**  
**American Hardwood Mfg.**  
**Co. (Annunciator)** **C**

**WIS.—Haleshurst**  
**Yawkey Lumber Co. (Egg)** **AAA**

**WIS.—Milwaukee**  
**Abel & Bach Co. (Traveling)** **AA**

**Kipp Co., B. A. (Black-**  
**ing)** **B**

**WIS.—Oshkosh**  
**Buckstaff-Edwards Co.**  
**(Burial)** **AA**

**Schmidt Bros. Trunk Co.**  
**(Blacking; Dressing;**  
**Sample; Traveling)** **A**

**WIS.—Racine**  
**Secor Trunk Co., M. M.**  
**(Sample; Tollet; Travel-**  
**ing)** **A**

**WIS.—Sheboygan**  
**Winter Lumber Co., M.**  
**(Knocked Down, Show)** **B**

**WIS.—Two Rivers**  
**Hamilton Mfg. Co. (Print-**  
**ers'; R. R. Ticket; Type)** **AA**

**CASINGS**

See also Woodwork

**CASINGS (Con.)**

**ILL.—Chicago**  
**Bechstein & Co. (Sausage)** **AA**  
**Born Butchers' Supply Co.**  
**Inc., H. A. (Sausages)** **D**  
**IOWA—Cedar Rapids**  
**Sinclair & Co., T. M. (Inc.)**  
**(Sausage)** **AAA**  
**LA.—Ramos**  
**Ramos Lumber & Mfg. Co.**  
**(Cypress)** **AA**  
**MICH.—Bay City**  
**Michigan Pipe Co. (Steam**  
**Pipe)** **B**  
**MICH.—Hermansville**  
**Wisconsin Land & Lumber**  
**Co. (Celling)** **AAAA**  
**MO.—St. Louis**  
**Brecht Butchers' Supply Co.,**  
**G. V. (Sausage)** **AAA**  
**NEBR.—South Omaha**  
**Cudahy Packing Co. (Sau-**  
**sage)** **AAAA**  
**N. Y.—Elmira**  
**Wyckoff & Son, A. (Steam**  
**Pipe)** **AAA**  
**N. Y.—Lockport**  
**American District Steam Co.**  
**(Steam Pipe)** **AAA**  
**New York City**  
**Oppenheimer & Co., S.**  
**(Sausage)** **AAA**  
**OHIO—Cleveland**  
**Garry Iron & Steel Co.**  
**(Steel; Elevator)** **A**  
**OHIO—Salem**  
**Clark Co., W. J. (Steel;**  
**Elevator)** **A**  
**OHIO—Steubenville**  
**La Belle Iron Works (Oil**  
**Well)** **AAAA**  
**PA.—McKeesport**  
**National Tube Wks. (Steam**  
**Pipe)** **AAAA**

**CASKETS**

See cases; Burial

**CASKS**

See Cooperage

**CASSIA**

Teas, Coffees & Spices

**CASSIMERES**

Woolen Goods

**CASTERS**

See also Silverware; Glass-  
ware

**CONN.—Meriden**  
**Foster, Merriam & Co. (Fur-**  
**niture)** **A**

**Schenck Co., M. B. (Furni-**  
**ture; Ball; Roller Bear-**  
**ing; Truck; Bed Plate)** **AA**

**CONN.—Southington**  
**Peck, Stow & Wilcox Co.**  
**(Furniture; Bed Plate;**  
**Truck)** **AAAA**

**CONN.—Windsor Locke**  
**Clark, Geo. P. (Furniture;**  
**Rubber Wheel Truck)** **O**

**IND.—Indianapolis**  
**Phoenix Caster Co. (Furni-**  
**ture)** **B**

**Tucker & Dorsey Mfg. Co.**  
**(Furniture; Truck; Bed**  
**Plate)** **A**

**IOWA—Dubuque**  
**Adams Co. (Truck)** **B**

**KANS.—Coffeyville**  
**Pioneer Flint Glass Co.**  
**(Glass)** **C**

**MD.—Baltimore**  
**Duer & Sons, John (Furni-**  
**ture)** **A**

**MASS.—Boston**  
**Elastic Tip Co. (Rubber**  
**Wheel)** **B**

**MASS.—Everett**  
**Faxon Co., Geo. H. (Piano)** **D**

**MASS.—Lowell**  
**Woods, Sherwood & Co.**  
**(Wire)** **O**

**MICH.—Grand Rapids**

**CASTERS (Con.)**

Michigan Stove & Caster Co. (Furniture) .....A  
**MICH.**—Lansing  
 Lansing Wheelbarrow Co. (Anti-Friction) .....AAA  
**MO.**—St. Louis  
 Pleuger & Henger Mfg. Co. (Truck) .....A  
**NEBR.**—Nebraska City  
 Faultless Caster Co. (Bed) .....O  
**N. J.**—Newark  
 Sommers' Son, John (Furniture) .....A  
 Toler, Sons & Co., John (Furniture) .....B  
**N. Y.**—Chappaqua  
 Acme Ball-Bearing Co. (Ball Bearing) .....B  
 New York City  
 International Silver Co., 9 Maiden Lane (Silver Plated) .....AAAA  
 Peck, Stow & Wilcox Co., 27 Murray (Bed Plate) .....AAAA  
 Sargent & Co., 151 Leonard (Bed Plate; Truck) .AAA  
 Smith & Hemenway Co., 228 B'way (Ball; Roller Bearing; Bed Plate) .....D  
 Universal Caster & Foundry Co., 316 E. 23d (Ball; Roller Bearing; Bed Plate) .....A  
**N. Y.**—Syracuse  
 Stearns Co., E. C. (Furniture; Truck) .....AA  
**N. Y.**—Troy  
 Palmer Hdw. Mfg. Co. (Bed Plate) .....D  
**OHIO**—Bellaire  
 Bellaire Bottle Co. (Inc.) (Glass) .....A  
 National Glass Wks. (T. A. Rodefer, Prop.) (Glass) A  
**OHIO**—Cincinnati  
 Haven Co., James L. (Furniture) .....B  
 Tatum Co., Samuel C. (Furniture; Truck) .....B  
**OHIO**—Columbus  
 Kilbourne & Jacobs Mfg. Co. (Truck) .....AA  
**PA.**—Erie  
 Continental Rubber Works (Rubber) .....A  
**PA.**—Philadelphia  
 Fox & Sons, H. C. (Glass) AA  
**PA.**—Pittsburg  
 McKee & Co., S. (Glass) .D  
**PA.**—Reading  
 Reading Hardware Co. (Bed Plate; Truck) .....AAAA  
**PA.**—Wrightsville  
 Wrightsville Hardware Co. (Furniture; Bed Plate) .C  
**W. VA.**—Wellsburg  
 Riverside Glass Wks. (Inc.) (Glass) .....C  
**W. VA.**—Wheeling  
 Central Glass Co. (Glass) .A

**CASTINGS**

**ALA.**—Birmingham  
 Dimmick Pipe Co. (Cupola; Air Furnace; Railroad) A  
 Gibb & Son, V. (Brass; Bronze; Copper) .....D  
 Tennessee Coal, Iron & R. Co. (Steel) .....AAAA  
**ALA.**—Cullman  
 Ehrensperger, H. (Brass) D  
**ALA.**—Huntsville  
 Huntsville Fdy. & Machine Works (Brass) .....B  
**ALA.**—Mobile  
 Alabama Iron Works (Brass) B  
**ALA.**—Selma  
 Peacock's Iron Works (Railroad) .....C  
**ARK.**—Little Rock  
 Thomas Mfg. Co. (Brass) .B  
**CAL.**—Los Angeles  
 Axelson Machine Co. (Brass) B  
 Graham & Noble (Brass) .A  
 Hutchison Co., W. G. (Brass) .....B

**CASTINGS (Con.)**

Llewellyn Iron Wks. (Brass) AA  
 Los Angeles Gas & Electric Fixture Mfg. Co. (Brass) F  
**CAL.**—San Francisco  
 Garratt & Co., W. T. (Brass; Bronze) .....AA  
 Greenberg's Sons, M., 223 Beale (Brass) .....D  
 Hendey Machine Works (Heavy; Light Iron) .AA  
 Kingwell, Vincent, 228 Fremont (Brass) .....C  
 Richmond Fdy. & Mfg. Co., 516 Market (Grey Iron) .A  
 Roylance Brass Wks., 112 Main (Brass) .....B  
 Tay Co., Geo. H., 49 First (Brass) .....A  
 Union Iron Works, 222 Market (Manganese; Bronze; Steel) .....AAAA  
 Western Tube Co., Mills Bldg. (Brass) .....AAA  
**CAL.**—Stockton  
 Holt Mfg. Co. (Iron) .AA  
**COLO.**—Denver  
 Creswell Mfg. Co., 1624 Blake (Brass) .....A  
 Denver Brass Works Co., 1303 Lawrence (Brass) .D  
 Flint, Lomas Elec. & Mfg. Co., 1937 Curtis (Brass) O  
**CONN.**—Ansonia  
 Farrell Foundry & Machine Co. (Semi-Steel; Heavy) AAAA  
 Phelps & Bartholomew Co. (Brass) .....C  
**CONN.**—Branford  
 Hammer & Co. (Malleable Iron for Hdw. Spec.) .X  
 Malleable Iron Fittings Co. (Semi-Steel; Homogeneous Metal; Steel; Malleable Iron Air Furnace Refined) A  
 New York Lock Co. (Bronze) .....B  
**CONN.**—Bridgeport  
 Bridgeport Brass Co. (Brass) .....AAA  
 Bridgeport Deoxidized Bronze & Metal Co. Aluminum; Brass; Bronze; Copper) .....B  
 Bridgeport Malleable Iron Co. (Refined Malleable Iron) .....AA  
 Eaton, Cole & Burnham Co. (Brass; Grey Iron) .AAAA  
 Pacific Iron Wks. (Iron) .AA  
 Rowell & Co., W. G. (Aluminum; Brass; Bronze; Copper; Gun Metal; Phosphor Bronze) .....D  
**CONN.**—Bristol  
 Sessions Foundry Co. (Grey Iron) .....AAA  
**CONN.**—Derby  
 Birmingham Iron Foundry (Semi-Steel, Heavy; Steel; Iron) .....A  
**CONN.**—Guilford  
 Spencer's Sons, I. S. (Brass; Bronze; Grey Iron) .B  
**CONN.**—Hartford  
 Blake & Son, J. T. (Manganese; Bronze; Phosphor Bronze) .....E  
 Hartford Foundry Co. (Grey Iron) .....B  
 Howard Co., Jas. L. (Brass) A  
 Laragy, P. (Grey Iron) .C  
 Phoenix Brass Foundry (Brass) .....D  
 Pratt & Cady Co. (Brass; Bronze; Grey Iron) .AA  
 Veeder Mfg. Co. (White Metal) .....B  
**CONN.**—Lime Rock  
 Barnum-Richardson Co. (Railroad) .....AAA  
**CONN.**—Middletown  
 Wilcox, Crittenden & Co. (Brass; Grey Iron) .A  
**CONN.**—Mt. Carmel  
 Woodruff & Sons' Co., W. W. (Brass; Malleable Iron Carriage) .....A

# CASTINGS (Con.)

**CONN.—Nauugatuck**  
Nauugatuck Malleable Iron Co. (Malleable Iron)...A  
**CONN.—New Britain**  
Malleable Iron Wks. (Grey; Malleable Iron) .....B  
North & Co., O. B. (Sad; Light) .....A  
North & Judd Mfg. Co. (Brass; White Metal)...AA  
Vulcan Iron Works (Grey; Malleable Iron) .....A  
**CONN.—New Haven**  
Barnum, S. H. (Grey Iron) B  
Fitch Co., W. & E. T. (Small to order) ....AA  
Graham & Co., Jas. (Brass) A  
Hendryx & Co., A. B. (Aluminum; Brass; ronze; Copper) .....A  
Ives Co., Hobart B. (Brass; Bronze) .....C  
National Steel Foundry Co. (Chemical Works; Locomotive; Car) .....A  
New Haven Malleable Casting Co. (Malleable Iron) X  
Peck Bros. & Co. (Brass)...A  
Stannard & Son (Grey Iron) D  
Warner Mfg. Co., G. F. (Grey Iron) .....C  
**CONN.—New London**  
Hopson & Chapin Mfg. Co. (Automobile; Grey Iron) B  
**CONN.—Norwalk**  
Arnold & Co. (Iron) .....B  
Norwalk Brass Co. (Brass) D  
**CONN.—Norwich**  
Vaughn & Sons, A. S. (Grey Iron) .....C  
**CONN.—South Norwalk**  
United States Foundry & Scales Co. (Bench Leg; Dynamo Motor; Pulley)...D  
**CONN.—Stonington**  
Miller, A. B. (Brass; Iron) D  
**CONN.—Terryville**  
Terry Co., Andrew (Malleable Iron Small).....B  
**CONN.—Torrington**  
Turner & Seymour Mfg. Co. (Brass; Grey Iron).....A  
**CONN.—Waterbury**  
American Pin Co. (Brass; Bronze) .....A  
Holmes, Booth & Haydens Co. (Brass) .....AAA  
Scovill Mfg. Co. (Aluminum; Brass) .....AAAA  
Steel & Johnson Mfg. Co. (Brass) .....B  
**DEL.—Wilmington**  
Diamond State Steel Co. (Railroad) .....AAA  
Lobdell Car Wheel Co. (Heavy Brass Car; Locomotive; Machinery; Railway) .....AAAA  
Remington Machine Co. (Brass) .....A  
Speakman Supply & Pipe Co. (Brass) .....B  
Wilmington Malleable Iron Co. (Semi-Steel; Steel; Malleable Iron) .....A  
**D. C.—Washington**  
Somerville & Sons, Thos. (Brass) .....AA  
**GA.—Atlanta**  
Withers Foundry & Machine Works (Brass; Iron)....D  
**GA.—Augusta**  
Lombard Iron Works & Supply Co. (Iron; Bridge; Building) .....A  
**GA.—Savannah**  
Kehoe & Sons, Wm. (Brass; Grey Iron) .....A  
**GA.—West Point**  
West Point Iron Works (Brass; Iron) .....H  
**ILL.—Carpentersville**  
Illinois Iron & Bolt Co. (Wagon; Carriage) ...AA  
Star Mfg. Co. (Steel Plow Shapes; Specialties) ...A

# CASTINGS (Con.)

**ILL.—Chicago**  
Acorn Brass Works, 193 Fulton (Brass) .....B  
Adams & Westlake Co., Ontario & Franklin (Brass) AAA  
Allen Mfg. Co., W. D., 151 Lake (Brass) .....B  
Allis-Chalmers Co., Home Ins. Bldg. (Brass; Iron) AAAA  
American Brake Shoe & Fdry. Co., Western Union Bldg. (Steel small 30 lbs. & under) .....A  
American Bronze Fdry. Co., 73d & Woodlawn Av. (Brass; Bronze) .....D  
American Steel Casting Co., 279 Dearborn (Steel, open hearth) .....AAAA  
Anderson, A. H., 52 N. Ann (Aluminum; Brass; Bronze) .....F  
Barbee Wire & Iron Works (Iron; German Silver; Phosphor Bronze; Zinc)...B  
Barnum & Richardson Mfg. Co., 64 S. Jefferson (Grey Iron) .....A  
Bastian Mfg. Co., Chas. L., 78 Illinois (Brass) .....D  
Burdett, Rowntree Co., 85 W. Jackson Boul. (Brass) O  
Chicago Brass & Copper Works, Monadnock Bldg. (Brass; Copper) .....D  
Chicago Hdwr. Fdy. Co., 45 W. Washn. (Brass; Grey Iron) .....B  
Chicago Malleable Castings Co., 120th & Centre Av. (Malleable Iron) .....X  
Commonwealth Co. (Steel) AAA  
Eddy Fdy. Co., R. M., 59 Ind. (Grey Iron; Boiler; Machinery; Grate, &c.) A  
Edna Smelting & Refining Co., 60 Monadnock Blk. (Brass) .....B  
Featherstone Fdy. & Machine Co., 348 Halsted (Grey Iron for Railroad use) .....AAA  
Graham, John I., 104 S. Clinton (Brass) .....A  
Griffin Wheel Co., Western Union Bldg. (Railroad) AAA  
Harris & Bro., Geo. P., 64 Lake (Brass) .....B  
Hewitt Mfg. Co., Monadnock Blk. (Brass) .....B  
Hills, Robert E., 57 N. Wells (Brass) .....D  
Illinois Malleable Iron Co., 30 W. Monroe (Brass; Grey Iron; Pipe Fittings) AAAA  
Jones Fdy. & Machine Co., W. A., 143 W. North Av. (Electrical) .....A  
King & Andrews Co., Chicago Heights (Steel, Light) .....A  
Link Belt Machy. Co. (Machinery) .....A  
McMaster-Davis Supply Co., 160 E. Lake (Brass) ...B  
Massillon Iron & Steel Co., The Rookery (Roller Mill; Furnace; also Steel) ...A  
National Car Coupler Co., Monadnock Blk. (Steel, open hearth) .....A  
National Malleable Castings Co., 26th & Blue Island Av. (Railroad; Malleable Iron) .....AAAA  
Pennsylvania Steel Co., 215 Dearborn (Steel) .....AAAA  
Ryan & Co., J. J., 68 W. Monroe (Aluminum; Brass; Bronze; Copper; Manganese Bronze) ....C  
Sargent Co. (Steel) .....D  
Smeeth's Copper & Bronze Co., 20 N. Desplaines (Brass; Bronze; Copper) B  
Smith Steel Casting Co.,

# **CASTINGS (Con.)**

Geo. H., 40 Dearborn  
(Steel) .....C  
Smith Wire & Iron Works,  
100 Lake (Brass; Bronze)  
.....B  
Sterion Copper & Bronze Co.,  
65 N. Ashland Av. (Brass;  
Bronze; Copper) .....D  
Street & Kent, 43 Fulton  
(Brass) .....D  
Tarrant Foundry Co., 46  
Ind. (Grey Iron, Light &  
Heavy) .....C  
Thomas Bros. Mfg. Co., Fill-  
more Av. (Brass) .....D  
Turner Brass Works, Frank-  
lin & Michigan (Alumi-  
num; Brass; Bronze; Cop-  
per) .....D  
U. S. Cast Iron Pipe & Fdy.  
Co., The Rookery (for Mus-  
ic Boxes; Graphophones,  
&c.) .....AAAA  
Western Foundry, 3854 S.  
Albany Av. (Grey Iron) .A  
Western Iron & Steel Co.,  
40th & Union Av. (Grey  
Iron) .....B  
Western Steel Car & Found-  
ry Co., Old Colony Bldg.  
Railroad; Steel) .....AA  
ILL.—East St. Louis  
Missouri Malleable Iron Co.  
Malleable Carriage; Rail-  
road; Street Car) .....AA  
ILL.—Edwardsville  
Edwardsville Brass Co.  
(Brass; Copper) .....B  
ILL.—Franklin Park  
Forster, Waterbury & Co.,  
(Grey; Malleable Iron) .B  
ILL.—Freeport  
Arcade Mfg. Co. (Grey Iron,  
Light) .....A  
Stover Mfg. Co. (Aluminum;  
Brass; Bronze; Grey Iron)  
.....AA  
ILL.—Harvey  
Buda Foundry Co. (Rail-  
road) .....B  
ILL.—Kewanee  
Western Tube Co. (Gas;  
Steam; Water Ftg.) .AAA  
ILL.—Litchfield  
Litchfield Foundry & Ma-  
chine Co. (Brass; Grey  
Iron) .....A  
ILL.—Moline  
Schmidt, Henry (Brass) ...D  
ILL.—Mt. Vernon  
Mt. Vernon Car Mfg. Co.  
(Railroad Car) .....AAA  
ILL.—Morris  
Nickle Mfg. Co. (Grey Iron)  
.....C  
ILL.—Peoria  
Kinsley & Mohler Co.  
(Brass) .....B  
ILL.—Quincy  
Central Iron Wks. (Brass) .B  
Ellington Mfg. Co. (Grey;  
Refined; Malleable Iron)  
.....A  
Van Doorn Co. (Brass) ....D  
ILL.—Rockford  
Rockford Brass Works  
(Brass) .....D  
Rockford Malleable Iron  
Wks. (Railroad; Machin-  
ery; Malleable) .....A  
Weyburn & Briggs Co. (Ag-  
ricultural Machinery) ..B  
ILL.—St. Charles  
Moline Malleable Iron Co.  
(Malleable Iron) .....X  
ILL.—Sterling  
Novelty Iron Wks. (Horse  
Stall Division) .....X  
IND.—Anderson  
Anderson Malleable Iron &  
Mfg. Works (Malleable  
Iron) .....C  
IND.—Elkhart  
Buescher Mfg. Co. (Alumi-  
num) .....C  
IND.—Ft. Wayne  
Ft. Wayne Fdy. & Machine  
Co. (Railroad) .....C  
IND.—Indianapolis  
Dean Bros. Steam Pump  
Works (Brass) .....AA  
Enterprise Fdy. & Fence Co.,  
386 S. Senate Av. (Grey  
Iron) .....C

# **CASTINGS (Con.)**

Langsenkamp Bros. Brass  
Works (Brass) .....B  
National Malleable Castings  
Co. (Malleable Iron)  
.....AAAA  
Over, Ewald (Grey Iron;  
Sewer) .....D  
IND.—Kokomo  
Kokomo Brass & Iron Wks.  
(Brass; Iron) .....C  
IND.—Logansport  
Dorner Truck & Fdy. Co.  
(Brass; Iron) .....D  
IND.—Marion  
Marion Grey Iron Fdy. Co.  
(Grey Iron) .....D  
Marion Malleable Iron Wks.  
(Malleable Iron) .....B  
IND.—Montpelier  
National Steel Castings Co.  
(Steel) .....B  
IND.—Muncie  
Whiteley Malleable Castings  
Co. (Agricultural; Rail-  
road; Malleable) .....A  
IND.—South Bend  
South Bend Malleable Iron  
Co. (Malleable Iron) ..B  
IND.—Terre Haute  
Prox & Brinkman Mfg. Co.  
(Railroad) .....A  
IOWA—Burlington  
Murray Iron Works Co.  
(Iron) .....A  
IOWA—Davenport  
Davenport Fdy. & Machine  
Co. (Brass; Grey Iron) .B  
IOWA—Des Moines  
Des Moines Mfg. & Supply  
Co. (Brass) .....A  
IOWA—Dubuque  
Adams Co. (Stove; Grey  
Iron) .....A  
Novelty Iron Wks. (Bridge;  
Bridge Pier; Building;  
Grey Iron; Engine) ....H  
IOWA—Fort Madison  
Ft. Madison Iron Works Co.  
(Railway) .....F  
IOWA—Ottumwa  
Ottumwa Iron Works (En-  
gine) .....AA  
KANS.—Fort Scott  
Fort Scott Fdy. & Machine  
Co. (Chas. Eller, Prop.)  
(Grey Iron) .....H  
KY.—Louisville  
Ahrens & Ott Mfg. Co., 325  
W. Main (Brass) ....AAA  
Drummond Mfg. Co. (Iron)  
.....A  
Howe Mfg. Co., 1107 W.  
Main (Brass) .....D  
Vogt Machine Co., Henry,  
327 E. Main (Brass) .AAA  
LA.—Monroe  
Sanders, Jno. G. (Brass;  
Iron) .....D  
LA.—New Orleans  
Hauptman & Loeb Co., 317  
Gravier (Brass) .....A  
Moore's Brass Foundry, 835  
Tchoup (Brass) .....A  
Swoop, Julian A., 918 Girod  
(Gun Metal) .....A  
MAINE—Bangor  
Union Iron Works (Brass) .A  
MAINE—Bath  
Bath Iron Wks. (Brass) .AA  
Torrey Roller Bushing Wks.  
(Brass) .....B  
MAINE—Biddeford  
Watson, Frye & Co. (Brass;  
Bronze; Railroad; Marine;  
Mill) .....D  
MAINE—Camden  
Knowlton Bros. (Brass) ...B  
MAINE—Dexter  
Fay & Scott (Brass; Iron)  
.....C  
MAINE—Mechanics Falls  
Penney & Sons' Co., J. W.  
(Brass) .....B  
MAINE—Portland  
Megguier & Jones Co., 29  
Pearl (Brass) .....B  
Portland Co. (Brass;  
Bronze) .....AA  
MD.—Baltimore  
Baltimore Malleable Iron &  
Steel Casting Co. (Charles  
& Wells) (Grey Iron,  
Soft; Steel; Iron; Rail-  
road; Machinery) .....A

# **CASTINGS (Con.)**

Baltimore Shipbuilding & Dry Dock Co., Locust Point (Brass) .....B  
 Bartlett, Haywood & Co. (Gas Works; Bench)....B  
 Bates' Sons, James, Pratt & President (Architectural; Ornamental) .....A  
 Coale Bros. Mfg. Co., 1325 Guilford Av. (Brass)....D  
 Ellicott Machine Co., Bush & Severn (Grey Iron)....C  
 Gibson & Kirk, 45 Cheapside (Brass) .....D  
 Gisriel & Son, Wm., 1527 Guilford (Brass; Bronze) D  
 McShane Mfg. Co., H., 417 North (Brass) .....AAAA  
 Poole & Son, Robert, 238 E. German (Grey Iron; Gun Metal) .....A  
 Register & Sons, J. (Brass; Rolling Mill; Furnace) AAAAA  
 Ryan & McDonald Mfg. Co., 44 South (Brass) .....AA  
 Sinclair-Scott Co. (Light Grey Iron) .....E  
 MD.—Cumberland  
 Maryland Sheet & Steel Co. (Steel) .....C  
 MASS.—Boston  
 American Tool & Machine Co., 109 Beach (Brass; Lead) .....AA  
 Ashton Valve Co., 271 Franklin (Brass) .....A  
 Bay State Brass Fdy. Co., 155 A (Aluminum; Brass; Bronze; Phosphor Bronze) D  
 Boston Brass Co., 36 Oliver (Brass) .....D  
 D'Este, Julian Co. (Bronze; Brass) .....D  
 G. & P. Engraving Co., 185 Franklin (Brass; Copper) D  
 Granular Metal Co., Farnham & Gerard (Brass)....D  
 Gurney & Co., Jas. (Brass; Marine) .....D  
 Hall & Co., Wm., 82 Sudbury (Brass) .....C  
 Hamlin & Emery Brass Co., 26 Island (Brass) .....D  
 Laconia Car Co., 50 State (Railroad; Malleable; Electrical) .....AA  
 MASS.—Boston  
 Livermore, H. F., 85 Pearl (Aluminum; Brass; Bronze; Steam Fitters; Malleable Iron) .....C  
 McCafferty & Co., J. H., 434 Harrison Av. (Brass; Bronze) .....C  
 McGann, Thos. F., 104 Portland (Bronze) .....E  
 Magee Furnace Co. (Art) AA  
 Mechanics Iron Foundry Co. (Iron) .....C  
 Iron Corrosive Metal Co., 39 Pitts (Aluminum).....D  
 Murdock Corp. (Bronze)....X  
 Star Brass Mfg. Co., 108 E. Dedham (Brass) .....A  
 Strater & Sons, Herman, 74 Sudbury (Brass) .....A  
 Sturtevant Co., B. F. (Bench Leg) .....AAA  
 Walworth Co., 128 Federal (Brass) .....C  
 Walworth Mfg. Co. (Brass; Iron) .....AAAA  
 Whittier Mach. Co. (Brass; Iron) .....A  
 MASS.—Bridgewater  
 Perkins Co., Hy. (Composition) .....E  
 MASS.—Chicopee  
 Ames Foundries (Bronze)....F  
 Ames Sword Co. (Brass; Bridge Pier) .....B  
 Mosman, M. H. (Bronze)....C  
 MASS.—Clinton  
 Clinton Foundry Co. (Brass; Iron) .....B  
 MASS.—Easton  
 Belcher Malleable Iron Co. (Malleable; Machinery;

# **CASTINGS (Con.)**

Agricultural) .....C  
 MASS.—Fall River  
 Kilburn, Lincoln & Co....A  
 Mechanics Fdy. & Machine Co., Davor (Brass) .....D  
 MASS.—Fitchburg  
 Goodnow Foundry Co., L. H. (Grey Iron) .....C  
 Hardy, Wm. A. (Brass; Bronze) .....B  
 MASS.—Haydenville  
 Haydenville Co. (Brass)....A  
 MASS.—Holyoke  
 Holyoke Machine Co. (Iron; Machinery) .....AA  
 MASS.—Lowell  
 Pevey Bros. (Brass; Bronze) C  
 MASS.—Newburyport  
 Russell & Sons, Albert (Ship) .....C  
 MASS.—Orange  
 Hunt Machine Co., Rodney (Brass) .....A  
 MASS.—Pittsfield  
 Jones & Sons, E. D. (Iron) B  
 MASS.—Quincy  
 Bay State Aluminum Co. (Aluminum; Brass) ....X  
 MASS.—Springfield  
 Bausch Machine Tool Co. (Iron) .....B  
 Emery Mfg. Co. (Brass)....C  
 Hawkins Iron Works, R. F. (Railway) .....C  
 Knox Automobile Co. (Brass Automobile) .....A  
 Stebbins Mfg. Co., E. (Brass) .....B  
 Springfield Fdy. Co. (Brass) A  
 Wason Mfg. Co. (Railroad) AA  
 MASS.—Taunton  
 Taunton Locomotive Mfg. Co. (Railroad) .....AA  
 MASS.—Webster  
 Prescott & Son, J. B. (Brass) .....C  
 MASS.—Westfield  
 Smith Co., H. B. (Iron)....AA  
 MASS.—Worcester  
 Arcade Malleable Iron Co. (Iron; Steel, all kinds)....A  
 Worcester Malleable Iron Works (Malleable Iron; Steel) .....B  
 MICH.—Albion  
 Albion Malleable Iron Co. (Malleable; Agricultural; Carriage, &c.) .....B  
 MICH.—Battle Creek  
 Sherman Mfg. Co., H. B. (Brass) .....B  
 MICH.—Bay City  
 Smalley Bros. & Co. (Brass; Iron) .....B  
 MICH.—Detroit  
 Buckley-Hart Mfg. Co., 527 Franklin (Brass; Plumbers; Bronze) .....D  
 Buhl Malleable Co., Wight & Adair (Grey; Malleable Iron) .....AAAA  
 Capitol Brass Works, 284 Rivard (Brass) .....D  
 Co-operative Foundry, Junction Av. & Wabash (Chemical Work) .....D  
 Detroit Brass Works, 1300 Brooklyn Av. (Brass)....B  
 Detroit Copper & Brass Rolling Mills, McKinstry Av. (Brass; Copper) .....AAAA  
 Detroit Steel Castings Co., 124 Mich. Av. (Steel; Steel Dredge) .....B  
 Eagle Brass Works, 218 Elizabeth, E. (Brass) ....D  
 Essex Brass Co., G. B., 480 Franklin (Brass) .....C  
 Frontier Iron Works (Brass) X  
 Great Lakes Engineering Works, Rivard (Brass; Marine) .....A  
 Griffin Car Wheel Co. (Railroad) .....AAA  
 Ireland & Matthews (Aluminum; Brass; Bronze; Copper; Zinc) .....A  
 Leland & Faulconer Mfg. Co.

**CASTINGS (Con.)**

(Grey Iron) .....B  
 McRae & Roberts Co., 227  
 Campbell (Brass) .....A  
 Michigan Malleable Iron Co.  
 (Car; Carriage; Agricultu-  
 ral) .....AA  
 National Fulton Brass Mfg.  
 Co. (Brass; Car; Locomo-  
 tive; Bronze) .....AA  
 Olds Motor Works, Jefferson  
 & Concord Aves. (Brass)  
 AA  
 Russell Wheel & Fdy. Co.,  
 Chene (Builders') .....A  
 Stephens, Roe Mfg. Co., Mc-  
 Kinley Av. & G. T. Ry.  
 (Brass) .....A  
 Sterling & Skinner Mfg. Co.,  
 Russell c. E. Grand Boul.  
 (Brass) .....C  
**MICH.—Grand Rapids**  
 Grand Rapids Brass Co.  
 (Brass; Bronze) .....A  
 Grand Rapids Malleable Co.  
 (R. R. &c.) .....A  
 Rempes & Gallmeyer Fdy.  
 Co. (Aluminum; Brass) B  
 Wolverine Brass Works  
 (Brass) .....B  
**MICH.—Hancock**  
 Portage Lake Fdy. & Ma-  
 chinery Co. (Brass)....B  
**MICH.—Jackson**  
 Holton & Weatherwax  
 (Aluminum; Brass) ....B  
**MICH.—Kalamazoo**  
 Star Brass Wks. (Street  
 Car) .....F  
**MICH.—Lansing**  
 Lansing Boiler & Engine  
 Works (Brass; Iron)....B  
**MICH.—Manistee**  
 Manistee Iron Works (Rail-  
 road; Iron, &c.) .....B  
**MICH.—Menominee**  
 Prescott Co., D. Clint.  
 (Grey Iron) .....B  
**MICH.—Muskegon**  
 Standard Malleable Iron Co.  
 (Malleable Agricultural)  
 B  
**MICH.—Port Huron**  
 Port Huron Malleable Iron  
 Co. (Malleable Iron)....X  
**MICH.—Saginaw**  
 Bartlett Co., A. F. (Brass)  
 A  
**MICH.—Three Rivers**  
 Sheffield Car Co. (Car; Rail-  
 road) .....AA  
**MICH.—West Detroit**  
 Michigan Brass & Iron Wks.  
 (Brass; Iron) .....A  
**MICH.—Ypsilanti**  
 Michigan Mfg. Co. (Brass)  
 AA  
**MINN.—Minneapolis**  
 National Brass & Metal Co.,  
 116 First Av. (Aluminum;  
 Brass) .....C  
 Northwestern Foundry Co.  
 (Railroad) .....A  
**MINN.—St. Paul**  
 Helwig Mfg. Co. (Alumi-  
 num; Brass) .....F  
 Northwestern Copper &  
 Brass Works (Brass; Cop-  
 per) .....D  
 South Park Fdy. & Machine  
 Co. (Brass) .....B  
 Valley Iron Works, Water  
 & Livingstone Av. (for  
 Musical Boxes; Grapho-  
 phones, &c.) .....D  
**MO.—Kansas City**  
 Crampton- Farley Brass Co.  
 (Brass; Plumbers' Special-  
 ties) .....D  
 Kansas City Wire & Iron  
 Works, 1428 Oak (Brass)  
 B  
**MO.—St. Charles**  
 St. Charles Car Co. (Car;  
 Malleable Iron) .....X  
**MO.—St. Louis**  
 American Brass Mfg. Co.,  
 409 S. 2d (Aluminum;  
 Brass; Bronze) .....D  
 American Car & Fdy. Co.  
 (Railroad) .....AAAA  
 American Steel Foundries,  
 318 N. 8th (Steel; Rail-  
 road. Heavy; Bastic, Open  
 hearth) .....AAA

**CASTINGS (Con.)**

Garratt Brass Fdy. Co., J.  
 W., 2028 Walnut (Brass)  
 B  
 Green's Car Wheel Mfg. Co.,  
 3018 N. B'way (Railroad;  
 Locomotive; Rock Crush-  
 er) .....B  
 Keepferle Bros. Mfg. Co.,  
 602 N. 2d (Brass).....A  
 Messmer Mfg. Co., Ferd.10  
 S. B'way (Aluminum;  
 Brass; Phosphor Bronze)  
 O  
 More-Jones Brass & Metal  
 Co., 3138 N. B'way.  
 (Brass) .....A  
 Pleuger & Henger Mfg. Co.,  
 11th & Herbert (Brass;  
 Bronze; Copper; Grey  
 Iron) .....A  
 St. Louis Car Wheel Co.,  
 421 Olive (Railroad).AAA  
 St. Louis Iron & Machine  
 Co. (Heavy Iron) .....A  
 St. Louis Iron & Steel Fdy.  
 Co., 8th & Hickory (Steel)  
 A  
 St. Louis Malleable Casting  
 Co. (Malleable Iron)....A  
 Scullin-Gallagher Iron &  
 Steel Co., Kraft (Steel,  
 open hearth) .....AAA  
 Union Iron Fdy. Co., 1458 S.  
 2d (Bronze) .....B  
**NEBR.—Lincoln**  
 Smith, R. T. (Brass; Iron)  
 D  
**NEBR.—Omaha**  
 Paxton & Vierling Iron Wks.  
 (Brass; Bridge; Iron;  
 Water Works) .....A  
 N. H.—Concord  
 Ford & Kimball (Brass)..B  
 N. H.—Exeter  
 Exeter Brass Works (Brass)  
 D  
 N. H.—Lakeport  
 Cole Mfg. Co. (Brass; Rail-  
 road) .....A  
 N. H.—Manchester  
 Varney, David B. (Est.)  
 (Brass) .....C  
 N. H.—Penacook  
 Concord Axle Co. (Brass).B  
 N. J.—Belleville  
 Eastwood Wire Mfg. Co.  
 (Brass; Bronze; Copper)  
 A  
 N. J.—Burlington  
 McNeal Pipe & Fdy. Co.  
 (Heavy Iron) .....AAA  
 N. J.—Camden  
 Fullmer & Co., A. J. (Brass)  
 A  
 Volgt Metal Co. (Brass)..B  
 N. J.—Glen Ridge  
 Benson, H. K. & F. S.  
 (Brass) .....C  
 N. J.—High Bridge  
 Taylor Iron & Steel Co.  
 (Chrome Steel; Rock  
 Crusher; Steel) .....AAAA  
 N. J.—Hoboken  
 New York Switch & Crossing  
 Co. (Railroad) .....A  
 Union Iron Works (Brass)..C  
 N. J.—Jersey City  
 Atlantic Brass Wks. (Brass)  
 C  
 Brady Brass Wks., 204 10th  
 (Brass; Bronze) .....B  
 Columbia Iron Fdy., 42  
 Morris (Marine) .....D  
 Krouse, George, 150 Morgan  
 (Brass) .....C  
 Magnus Metal Co., 364 9th  
 (Brass; Bronze).....AAAA  
 Steele & Condit, Pearl &  
 Steuben (Rock Crusher).C  
 Williams & Son, E. A., 105  
 Plymouth (Aluminum;  
 Brass; Bronze; Copper;  
 Gun Metal; Manganese  
 Bronze; Phosphor Bronze;  
 Gong; Ship; Tin; Engine;  
 Mchry.; Railroad) ..AAA  
 N. J.—Mahwah  
 American Brake Shoe & Fdy.  
 Co. (Grey Iron) .....AA  
 N. J.—Newark  
 Atha Steel Co. (Steel, ma-  
 chine moulded) .....A  
 Barlow, Arthur E. (Malle-

# CASTINGS (Con.)

able Iron) .....D  
 Barrett & Co., Oscar E.  
 (Light & Medium Malle-  
 able Iron) .....C  
 Hewes & Phillips Iron Wks.  
 (Brass) .....A  
 Hodges & Bro., 10 R. B. Pl.  
 (Brass) .....C  
 Meeker, Stephen J. (Grey  
 Iron; Malleable Iron) ...A  
 Sacks, Louis, Hamburg Pl.  
 & Av. L. (Grey Iron) ...A  
 Watts-Campbell Co. (En-  
 gine) .....AA  
**N. J.—New Brunswick**  
 New Jersey Lamp & Bronze  
 Works (Brass; Bronze) ...AA  
**N. J.—Paterson**  
 Eastwood Co., Benj. (Build-  
 ers' Iron) .....A  
 McNab & Harlin Mfg. Co.  
 (Brass) .....AA  
 Paterson Machine Works  
 (Light Iron) .....F  
**N. J.—Perth Amboy**  
 Schantz & Eckert (Brass;  
 Iron) .....D  
**N. J.—Trenton**  
 Crossley Mfg. Co. (Brass) .B  
 Trenton Iron Co. (Br. N. Y.  
 City) (Wrought Iron) .AA  
**N. Y.—Albany**  
 Albany Foundry Co. (Grey  
 Iron) .....C  
 Albany Malleable Iron Wks.  
 (Railroad) .....AA  
 Angus, C. H. (Aluminum;  
 Brass; Bronze) .....D  
 Clark, John W. (Iron;  
 Brass; Bronze) .....C  
 Cox Brass Mfg. Co. (Brass)  
 .....C  
 Page's Sons, Isalah (Rail-  
 road) .....A  
 Townsend Furnace Machine  
 Shop Co. (Grey Iron) ...B  
**N. Y.—Auburn**  
 Osborne & Co., D. M. (Malle-  
 able Iron) .....AAAA  
**N. Y.—Brooklyn**  
 Chrome Steel Works, Kent  
 Av. & Keap (Chrome  
 Steel) .....AAA  
 Columbia Machine Wks. &  
 Malleable Iron Co., 169  
 Chestnut (Malleable Iron)  
 .....C  
**Hay-Budden Mfg. Co., 205**  
**N. Henry (Steel) .....B**  
**Hecla Iron Works, 11th &**  
**Wythe Av. (Aluminum;**  
**Bronze) .....AA**  
**Taylor & Co., 415 Driggs**  
**Av. (Brass) .....D**  
**N. Y.—Buffalo**  
 Abel, Geo. L., 18 Elk  
 (Aluminum; Brass;  
 Bronze; Copper) .....F  
 Bingham & Taylor, 575  
 Howard (Brass) .....AA  
 Buffalo Foundry Co. (Cupo-  
 la or Air Furnace; Grey  
 Iron) .....AA  
 Deck Bros., 20 Ind. (Brass)  
 .....C  
**Farrar & Trefts (Railway)**  
 ....AAA  
**Lumen Bearing Co., 1155**  
**Sycamore (Brass; Bronze;**  
**Aluminum; Copper; Man-**  
**ganese; Phosphor Bronze)**  
 .....D  
**New York Car Wheel Wks.**  
**(Car; Locomotive) ...AA**  
**Pratt & Letchworth Co.**  
**(Railroad; Malleable;**  
**Car; Locomotive; also**  
**Steel) .....AAA**  
**Sherwood Mfg. Co., 34**  
**Washn. (Brass) .....B**  
**Trout & Co., H. G. (Engine)**  
 .....B  
**Zero Valve & Brass Mfg.**  
**Co., 286 Seneca (Alumi-**  
**num; Bronze) .....D**  
**N. Y.—Cambridge**  
 Lovejoy & Son, H. H. (Grey  
 Iron) .....C  
**N. Y.—Cohoes**  
 Cohoes Iron Fdy. & Machine  
 Co. (Brass; Bronze; Grey  
 Iron; Iron) .....A

# CASTINGS (Con.)

**N. Y.—Copake Iron Works**  
 Columbia Plow Wks.  
 (Chilled) .....AA  
**N. Y.—Corning**  
 Allen Foundry Co., E. R.  
 (Architectural; Bench  
 Leg; Chair; School Desk;  
 Dynamo Motor; Furnace;  
 Iron; Grey Iron) .....C  
**N. Y.—Coxsackie**  
 Newbury, J. G. (Grey Iron)  
 .....D  
**N. Y.—Depew**  
 Gould Coupler Co. (Railroad;  
 Malleable) .....AA  
**N. Y.—Fishkill on Hudson**  
 Fishkill Landing Machine  
 Co. (Brass; Iron) .....A  
**N. Y.—Glens Falls**  
 Dix Foundry Co., J. L.  
 (Brass; Iron) .....D  
**N. Y.—Grassy Point**  
 Wiles Co., A. M. & W. H.  
 (Brass; Iron) .....B  
**N. Y.—Hillburn**  
 Ramapo Iron Works (Rail-  
 road) .....AAA  
**N. Y.—Hosick Falls**  
 Wood Mowing & Reaping  
 Machine Co., Walter A.  
 (Malleable Iron) .....AAA  
**N. Y.—Horseheads**  
 Weller Hardware & Foundry  
 Co. (Grey Iron) .....D  
**N. Y.—Lancaster**  
 Lancaster Malleable Iron  
 Wks. (Railroad; Malle-  
 able) .....A  
**N. Y.—Lockport**  
 Holly Mfg. Co. (Brass; Iron)  
 .....D  
**N. Y.—Manlius**  
 Cheney & Son, S. (Grey  
 Iron) .....A  
**N. Y.—Newburgh**  
 Coldwell-Wilcox Co. (Brass)  
 .....B  
 Marvel & Co., T. S. (Brass)  
 .....B  
 Newburgh Ice Machine &  
 Engine Co. (Brass) ...A  
**New York City**  
 Allen & Co., Edgar, 51 John  
 (Manganese Steel; Steel)  
 .....B  
 Atlantic Brass Co., 192  
 B'way (Brass; Car, &c.)  
 .....B  
 Claudat & Son, Frank, 446  
 W. 16th (Bronze) .....D  
 Cornell Co., J. B. & J. M.,  
 28 11th Av. (Brass;  
 Bronze; Chemical Work)  
 ....AA  
 Crane Co., W. H., 1133  
 B'way (Grey Iron) ...A  
 Deeley & Co., Robt. (Heavy  
 Iron) .....AA  
 Drummond & Co., M. J., 182  
 B'way (Electrical) ...A  
 Eynon-Evans Mfg. Co., 120  
 Liberty (Brass; Bronze;  
 Copper; Manganese; Phos-  
 phor Bronze; Bronze) ...B  
 Flag & Co., Stanley G., 220  
 B'way (Steel) .....AAA  
 Floyds, James R. (Gas  
 Works) .....A  
 Gorham Mfg. Co., 19th &  
 B'way (Bronze) ...AAAA  
 Gould Steel Co., 25 W. 33d  
 (Steel) .....A  
 Henry-Bonnard Bronze Co.,  
 430 W. 16th (Bronze) ...C  
 Jackson Co., Wm. H., 29 E.  
 17th (Bronze) .....A  
 Johnson & Co., Isaac G.,  
 Spuyten Duyvil (Steel;  
 Malleable Iron) .....AA  
 Lehigh Foundry Co., 28  
 Broad (Grey Iron, light &  
 heavy) .....B  
 Manhattan Brass Co., 334  
 E. 28th (Brass; Bronze)  
 ....AA  
 Marine Engine & Machine  
 Co., 80 B'way (Marine) .A  
 Mott Iron Works, J. L.  
 (Iron) .....AA  
 N. J. Foundry & Machine  
 Co., 15 Murray (Builders')  
 .....D

**CASTINGS (Con.)**  
 Sargent Co., 170 B'way  
 (Steel) .....AAAA  
 Sheridan Co., T. W. & C. B.  
 (Machinery) .....A  
 Shriver & Co., T., 333 E.  
 56th (Aluminum; Brass;  
 Bronze; Copper; Gas En-  
 gine; Grey Iron; Gun  
 Metal; Semi-Steel) ....A  
 Tiebout, W. J., 118 Cham-  
 bers (Brass) .....B  
 Union Equipment & Bronze  
 Co., 514 W. 36th (Bronze)  
 .....E  
 Westervelt, A. B. & W. T.  
 (Iron) .....B  
 Williams, John, 558 W. 27th  
 (Bronze) .....B  
**N. Y.—Niagara Falls**  
 Dobbie Fdy. & Machine Co.  
 (Aluminum; Copper) ...B  
**N. Y.—North Tonawanda**  
 Armitage-Herschell Co. (Can-  
 al Boat; Steam Barge;  
 Planing; Saw Mill) ....A  
**N. Y.—Oriskany**  
 Oriskany Malleable Iron Co.  
 (Railroad; Malleable,  
 light & heavy) ....B  
**N. Y.—Rochester**  
 Enterprise Foundry Co., 48  
 Olean, (Bronze; Alumi-  
 num) .....B  
 Wray & Son, Henry, 105  
 Mill (Brass) .....B  
**N. Y.—Sandy Hill**  
 Sandy Hill Iron & Brass  
 Works (Brass; Iron)....A  
**N. Y.—Seneca Falls**  
 Climax Specialty Co.  
 (Brass) .....B  
**N. Y.—Syracuse**  
 Central City Brass & Mfg.  
 Co., 120 Burnet Av.  
 (Brass) .....B  
 Economy Fdy. & Machine  
 Co. (Grey Iron) .....B  
 Engelberg Huller Co., 121  
 W. Fayette (Brass; Grey  
 Iron) .....X  
 Franklin Mfg. Co., H. H.  
 (Aluminum; Franklin  
 Metal) .....C  
 Frazer & Jones (Malleable  
 Iron Sad; Agricultural;  
 General) .....AA  
 Syracuse Malleable Iron  
 Wks. (Malleable; Car,  
 &c.) .....A  
**N. Y.—Troy**  
 Gurley, W. & Lee (Brass)  
 .....AA  
 Kemp & Son, Wm. (Brass;  
 Bronze) .....AAA  
 Torrance Iron Co. (Malle-  
 able; Railroad; Stove)...C  
 Troy Malleable Iron Co.  
 Malleable Track; Rail-  
 road; Electrical) .....A  
 West Side Foundry Co.  
 (Brass; Copper; Railroad;  
 Grey Iron) .....A  
**N. Y.—Utica**  
 Blasier & Co., M. E. (Brass)  
 .....D  
**N. Y.—Westmoreland**  
 Westmoreland Malleable  
 Iron Co. (Agricultural;  
 Carriage; Sad, &c.)....C  
**N. Y.—West Troy**  
 Empire Forge Co. (Light  
 Grey Iron) .....F  
**OHIO—Akron**  
 Adamson, Alex. (Brass)...C  
**OHIO—Canton**  
 Best Street Light Co.  
 (Brass; Bronze) .....B  
 Canton Malleable Iron Co.  
 (Brass; Iron; Malleable;  
 Saddlery) .....B  
 Canton Roll & Machine Co.  
 (Rolling Mill; Furnace).B  
 Canton Saw Co. (Brass; Cop-  
 per; Grey Iron; Steel)...D  
 Elbel Co. (Malleable; Sadd-  
 lery; Hardware) .....B  
 McLain Co., Jas. H. (Brass)  
 .....AA  
**OHIO—Cincinnati**  
 American Copper & Brass  
 Works, 614 E. Front  
 (Brass; Copper) .....B  
 American Valve & Meter Co.

**CASTINGS (Con.)**  
 (Brass; Gun Metal; Phos-  
 phor Bronze) .....C  
 Bourbon, Copper & Brass  
 Works, 618 E. Front  
 (Brass; Copper) .....A  
 Deckebach's Sons Co., F. C.,  
 123 W. Court (Brass)...B  
 Edna Smelting & Refining  
 Co., 527 Hunt (Brass,  
 light & heavy; Phosphor  
 Bronze) .....B  
 Electric Railway Equipment  
 Co., 431 E. Front (Brass)  
 .....A  
 Enterprise Brass & Plating  
 Works, Clark & Harriet  
 (Brass) .....B  
 Eureka Foundry Co. (Grey  
 Iron) .....A  
 Hauck Mfg. Co. (Bronze;  
 Brass) .....D  
 Haven Malleable Castings  
 Co., 68 Plum (Malleable;  
 Carriage; Hardware)...B  
 Hesterburg & Co., R., Spg.  
 Grove & Gerard Aves.  
 (Brass) .....C  
 Hoefinghoff & Lane Fdy.  
 Co. (Iron) .....A  
 Kinsley, J. R., 115 E. 6th  
 (Brass) .....A  
 Kirkup & Co., 616 Lodge  
 (Bronze; Brass) .....C  
 Knecht, Victor (Iron) ....B  
 Lunkenheimer Co., Beekman  
 (Brass; Bronze; Phosphor  
 Bronze; Gun Metal)...AA  
 McGowan Co., Jno. H., 54  
 Central Av. (Brass)...A  
 Messmer Co., Andrew, Pat-  
 terson & Bank (Brass)...B  
 Mowry Car Wheel Works  
 (Bridge; Car; Engine)...B  
 National Brass Mfg. Co., 216  
 W. Pearl (Brass; Copper)  
 .....B  
 Newman-Kuhn Mfg. Co., 8th  
 & McLean Av. (Brass)...B  
 Powell Co., Wm., 2525 Spg.  
 Grove Av. (Brass)...AAA  
 Riegler-Hauck Co., 322 W.  
 Pearl (Zinc) .....X  
 Schreiber & Sons Co., L.,  
 8th & Eggleston Av.  
 (Bronze) .....AA  
 Tatum Co., Saml. C., 414 W.  
 Water (Grey Iron Fine  
 Castings) .....B  
 U. S. Aluminum Casting Co.,  
 1623 Blue Rock (Alumin-  
 um; Automobile) .....C  
 Van Duzen Co., E. W., 428  
 E. 2d (Brass; Bronze; Gun  
 Metal) .....C  
**OHIO—Cleveland**  
 Acme Foundry Co. (Iron;  
 Grey Iron) .....B  
 American Shipbuilding Co.,  
 120 Viaduct (Aluminum)  
 .....AAA  
 Bowler Foundry Co., 14  
 Winter (Blast Furnace).A  
 Central Brass Foundry Co.,  
 735 Cedar Av. (Brass)...C  
 Chisholm & Moore Mfg. Co.,  
 Lake & Kirtland (Auto-  
 mobile; Light Malleable;  
 Smooth; Annealed) ...AA  
 Cleveland Steel Casting Co.  
 Steel Heavy Open Hearth)  
 .....A  
 Columbian Hdw. Co., Coe  
 & Hamilton (Aluminum;  
 Brass; Bronze; Copper;  
 Tempered Copper for Com-  
 mutation Bars) .....AA  
 Eberhard Mfg. Co. (Malle-  
 able Iron) .....AA  
 Farnan Brass Works, 25  
 Center (Brass) .....A  
 Forest City Brass Works, 90  
 Merwin (Brass) .....B  
 Forest City Electric Co., 111  
 Windsor Av. (Copper)...A  
 Forest City Hinge & Found-  
 ry Co. (Grey Iron, Small)  
 .....A  
 Fulton Foundry Co. (Iron;  
 Railway; Track) .....F  
 Glauber Brass Mfg. Co., 89  
 River (Brass) .....A  
 Hoffman Hinge & Foundry  
 Co. (Grey Iron, Light)...B



# CASTINGS (Con.)

Interstate Foundry Co.  
(Grey Iron) .....B  
Macbeth Iron Co., 57 W.  
Center (Brass) .....C  
Maher Wheel & Fdy. Co., 20  
Carter (Railroad) .....B  
Natl. Malleable Castings  
Co. (Mal. Iron) .....AAAA  
Ohio Foundry Co., Giddings  
Av. (Brass & Grey Iron) A  
Otis Steel Co., Lake & Law-  
rence (Steel, 100 to 75,000  
lbs.) .....AAAA  
Palmer & De Mooy Found-  
ry Co. (Iron) .....A  
Riverside Fdy. Co., 26 Car-  
ter (Railroad; Rolling  
Mills; Furnace) .....A  
Standard Brass Fdy Co.,  
1155 Giddings Av. (Brass)  
B  
Standard Fdy. & Mfg. Co.  
(Grey Iron, Light; Hdw.  
Specialties) .....A  
Taylor & Boggis Fdy. Co.  
(Grey & Light Iron) AA  
U. S. Bronze Co., 149 Colum-  
bus (Brass; Bronze;  
Phosphor Bronze) .....B  
OHIO—Columbus  
Buckeye Mal. Iron & Coup-  
ler Co. (Mal. Car, &c.) A  
Case Mfg. Co. (Bench Leg;  
Pulley) .....A  
Columbus Brass Co., 94 N.  
6th (Brass) .....B  
Columbus Malleable & Grey  
Iron Casting Co. ....B  
OHIO—Dayton  
Barney & Smith Car Co.  
(Railroad) .....AAAA  
Buckeye Iron & Brass Wks.  
(Aluminum; Brass) ....A  
Dayton Malleable Iron Co.  
(Railroad; Malleable Car-  
riage, &c.) .....AA  
Dayton Mfg. Co. (Brass) ..A  
OHIO—Defiance  
Defiance Machine Works  
(Iron) .....A  
OHIO—Kenton  
Champion Iron Co. (Grey  
Iron) .....AA  
OHIO—Lima  
Lima Locomotive & Machine  
Co. (Brass) .....AA  
OHIO—Lorain  
Lorain Foundry Co. (Alu-  
minum; Brass; Bronze;  
Copper Cupola or Air Fur-  
nace; Rolling Mill; Fur-  
nace) .....A  
OHIO—Mansfield  
Mansfield Tempered Copper  
Co. (Aluminum; Brass;  
Bronze; Copper; Phosphor  
Bronze; Tempered Copper  
for Commutation Bars) A  
Ohio Brass Co. (Aluminum;  
Brass; Bronze; Copper  
Phosphor Bronze) .....B  
OHIO—Marietta  
Patton Bros. Co. (Brass;  
Grey Iron) .....B  
OHIO—Marion  
Marion Malleable Iron Co.  
(General) .....B  
OHIO—Massillon  
Massillon Iron & Steel Co.  
(Blast Furnace) .....A  
OHIO—Middleport  
Ohio Machine Co. (Cupola or  
Air Furnace; Rolling Mill;  
Furnace) .....C  
OHIO—Mt. Vernon  
Cooper Co., C. & G. (Rolling  
Mill; Furnace) .....AA  
OHIO—Portsmouth  
Portsmouth Steel Co. (Steel)  
AA  
OHIO—Sandusky  
Klotz Machine Co. (Brass)  
B  
Warren Electric Co. (Brass;  
Bronze; Grey Iron) ....A  
OHIO—Springfield  
Leffel & Co., Jas. (Phosphor  
Bronze) .....AA  
Nolte Brass Co. (Brass,  
rough finished) .....D  
Robbins & Myers Co. (Grey  
Iron, light & medium) ..B  
Rogers Iron Co. (Grey Iron)

# CASTINGS (Con.)

C  
Springfield Brass Co. (Alu-  
minum; Brass; Bronze) D  
Springfield Malleable Iron  
Co. (General) .....A  
Whiteley Machine Co. (Mal.  
Agric.; Carriage; Car,  
&c.) .....F  
OHIO—Staubenville  
Means Fdy. & Machine Co.  
(Brass) .....B  
OHIO—Toledo  
Baker Bros. (Locomotive  
Car) .....A  
Natl. Malleable Castings Co.  
AAAA  
Vulcan Iron Works (Brass)  
A  
Welks Foundry Co. (Grey  
Iron, Heavy) .....C  
OHIO—Warren  
Trumbull Mfg. Co. (Auto-  
mobile) .....C  
OHIO—Youngstown  
Falcon Bronze Co. (Brass;  
Bronze) .....C  
Mahoning Fdy. & Machine  
Co. (Rolling Mill; Fur-  
nace) .....C  
Sennett Co., Geo. B. (Roll-  
ing Mill; Furnace) ....A  
Union Iron & Steel Co.  
(Agricultural Machy.) X  
Youngstown Bronze Co.  
(Brass; Bronze) .....D  
Youngstown Engineering Co.  
(Grey Iron) .....A  
Youngstown Fdy. & Machine  
Co. (Rolling Mill; Fur-  
nace) .....C  
Youngstown Steel Castings  
Co. (Steel Open Hearth,  
1 to 100,000 lbs. rough  
machined) .....A  
OHIO—Zanesville  
Zanesville Malleable Iron  
Co. ....C  
OREGON—Albany  
Albany Iron Works (Brass;  
Iron) .....D  
ON—Astoria  
Astoria Iron Works (Brass;  
Iron) .....A  
OREGON—Portland  
Columbia Engineering Wks.  
(Brass) .....B  
Honeyman & Co., J. (Brass;  
Iron) .....D  
Portland Iron Works (Brass;  
Iron) .....A  
Williamette Iron & Steel  
Wks. (Brass; Iron; Steel)  
B  
PA.—Allegheny  
Carlins Sons, Thos. (Iron;  
Sewer Manhole) .....A  
Damascus Bronze Co., 923  
South Av. (Brass; Bronze;  
Phosphate) .....A  
Natl. Gear Wheel & Fdy.  
Co., South Av. (Rolling  
Mill; Furnace) .....C  
Pittsburg Lamp, Brass &  
Glass Co., 3 River Av.  
(Brass) .....AAAA  
Rosendale Fdy. & Machine  
Co., Washn. & Preble  
(Railroad; Rolling Mill;  
Furnace) .....B  
PA.—Allentown  
Allentown Fdy. & Mach.  
Works Co. (Vacuum Pan)  
A  
Allentown Rolling Mills  
(Railroad) .....AAA  
Weaver-Hirsch Co. (Grey  
Iron) .....A  
PA.—Avonmore  
West Penn. Fdy. & Machine  
Co. (Rolling Mill; Fur-  
nace) .....B  
PA.—Beaver Falls  
Knott-Harken & Co. (Ma-  
chinery) .....AA  
PA.—Bellwood  
Bellwood Mfg. Co. (Rail-  
road Car) .....C  
PA.—Birdsboro  
Diamond Drill & Machine  
Co. (Cupola; Air Furnace;  
Steel; Steel Open Hearth)  
B

# CASTINGS (Con.)

**PA.—Bloomsburg**  
Bloomburg Car Co. (Railroad General) .....A  
Harman & Hassert (Brass) .....A

**PA.—Braddock**  
Braddock Machine & Mfg. Co. (Mill; Furnace)....B

**PA.—Bradford**  
Caldwell & Co., E. R. (Railroad, up to 10,000 lbs.)..B

**PA.—Catsauqua**  
Davis & Thomas Co. (Railroad; Elect. Railroad)..AA

**PA.—Chester**  
American Steel Castings Co. (Nickel Steel; Steel Open Hearth, 1 to 40,000 lbs.) .....AAA  
Chester Steel Casting Co. (Elect. Railroad; Rock Crusher; Steel) .....AAA  
Crown Smelting Co. (Aluminum; Brass; Bronze; Copper; Gun Metal; Manganese Bronze; Marine; Phosphor Bronze) .....A  
Johnston Railroad Frog & Switch Co. (Railroad)....B  
Penn. Steel Casting & Machine Co. (Railroad; Steel) .....A  
Seaboard Steel Casting Co. (Steel, up to 80,000 lbs.) .....AAA  
Solid Steel Casting Co. (Steel; R. R.; Machine) .....AA  
Wetherell & Co., R. (Steel) .....AAAA

**PA.—Columbia**  
Columbia Grey Iron Co. (Grey Iron) .....C

**PA.—Connellsville**  
Borts, Porter & Co. (Brass; Iron) .....A  
Connellsville Machine & Car Co. (Brass; Iron) .....A

**PA.—Conshohocken**  
Bate & Son, Wm. S. (Brass) .....A  
Wood, John, Jr. (Bronze; Brass) .....B

**PA.—Corry**  
Ajax Iron Works (Brass; Iron) .....B  
McInnes Steel Co. (Steel Tool) .....C

**PA.—Danville**  
Curry & Vannan (Brass)..A

**PA.—Du Bois**  
Du Bois Iron Works (Grey Iron) .....AAAA

**PA.—Easton**  
Sterlingworth Railroad Supply Co. (Ref. Air Furnace) .....A

**PA.—Eddystone**  
Eddystone Fdy. & Machine Co. (Cupola; Air Furnace; Rolling Mill; Furnace).A

**PA.—Erie**  
Erie Malleable Iron Co....A  
Griswold Mfg. Co. (Steam; Gas; Water) .....AAAA  
Natl. Foundry Co. (Grey Iron) .....A  
Walker Foundry Co. (Grey Iron) .....B

**PA.—Franklin**  
Franklin Rolling Mill & Fdy. Co. (Steel) .....B

**PA.—Freemansburg**  
Jones & Bisler Mfg. Co. (Aluminum; Brass; Bronze; Grey Iron)....D

**PA.—Fullerton**  
Lehigh Car Wheel & Axle Wks. (Railroad)..AAAA  
Lehigh Foundry Co. (Cupola; Air Furnace; Grey Iron; Railroad) .....A

**PA.—Hanover**  
American Foundry & Machine Co. (Brass & Iron) .....C

**PA.—Harrisburg**  
Hickok Mfg. Co., W. O. (Brass) .....AA

**PA.—Hyde Park**  
Hyde Park Fdy. & Machine Co. (Rolling Mill; Furnace; Steel) .....B

# CASTINGS (Con.)

**PA.—Johnstown**  
Cambria Iron Works (Steel) .....B

**PA.—Kutztown**  
Kutztown Foundry & Mach. Co. (Iron) .....A

**PA.—Lancaster**  
Barry & Zecker (Brass; Iron) .....D  
Hubley Mfg. Co. (Grey Iron Light) .....A  
Martin Brick Machine Mfg. Co., Hy. (Iron) .....B

**PA.—Lanesboro**  
Barnes Mfg. Co. (Iron)...B

**PA.—Lansdale**  
Bancroft & Co. (Mal. Iron) .....X

**PA.—Lebanon**  
Lebanon Boiler, Foundry & Machine Co. (Mill Machy.) .....C  
Weimer Machine Wks. (Rolling Mill; Furnace) .....AA

**PA.—McKees Rocks**  
Fort Pitt Mall. & Grey Iron Co. ....B  
Penna. Malleable Co. (Mal. R. R. Castings) .....A

**PA.—Meadville**  
Meadville Malleable Iron Co. (Railroad Mal. Iron)...B

**PA.—Middletown**  
Middletown Car Works (Railroad) .....A

**PA.—Mt. Joy**  
Grey Iron Casting Co. (Grey Iron) .....AA

**PA.—Nazareth**  
Nazareth Fdy. & Machine Co. (Brass; Bronze; Grey Iron) .....B

**PA.—New Castle**  
American Car & Ship Hdw. Mfg. Co. ((Brass; Bronze) .....B  
Penn. Engineering Wks. (Rolling Mill; Furnace; Steel) .....A  
Vulcan Fdy. & Machine Co. (Rolling Mill & Furnace) .....B

**PA.—Norristown**  
Newbold & Son Co., R. R. (Rolling Mill; Furnace).A

**PA.—Northeast**  
Eureka Tempered Copper Wks. (Brass; Bronze; Copper) .....B

**PA.—Philadelphia**  
Ajax Metal Co., 46 Richmond (Brass) .....AA  
Bancroft & Co., Drexel Bldg. (Brass; Bronze; Copper; Iron) .....X  
Belfield & Co., H., 435 N. Broad (Brass; Bronze; Copper; Phosphor Bronze) .....AA

**Bureau Bros., 21st & Allegheny Av. (Bronze) ....D**  
Chester Steel Castings Co., 407 Sansom (Electrical; Railroad; Rock Crusher; Steel; Steel Dredge; Sugar Mill) .....AAA  
Cramp & Sons, Wm., Beach & Ball (Brass; Manganese Bronze; Marine;)..AAAA  
Creswell Iron Works, S. J. (Iron) .....B  
Devlin Mfg. Co., Thos., 3d & Lehigh Av. (Agric.; Brass; Carriage; Saddlery; Pipe, &c.) .....AAA  
Evans & Son, S. W., 4623 Paul Fkd. (Brass).....A  
Eynon-Evans Mfg. Co., 15 Clearfield (Aluminum; Brass) .....B  
Flagg & Co., S. G., 424 N. 19th (R. R.; Machine; Hdw.; Pipe, &c.)...AAA  
Gaumer & Co., Jno. L., 19th & Hamilton (Brass) .....C  
Halstead & Co., 1129 Cherry (Aluminum; Brass; Bronze) .....D  
Hill Mfg. Co., B. B., 1020 New Market (Brass)...B  
Hooks Smelting Co. (Brass) .....A

# CASTINGS (Con.)

Janney, Steinmetz & Co.  
(Aluminum) .....D  
Keystone Brass Fdy. Co.  
(Brass) .....D  
Latrobe Steel Co., Girard  
Bldg. (Steel) .....AAAA  
Lonergan & Co., J. E., 211  
Race (Brass) .....A  
Merchant & Co., 517 Arch  
(Manganese Bronze; Phos-  
phor Bronze) .....AA  
Midvale Steel Co., Blabon &  
P. & R. R. R. (Ordinance;  
Railroad; Steel for Gun  
Carriage Mounts, &c.; Ar-  
mor Piercing Shot & Shell)  
AAAA  
Moore Machine & Fdy. Co.,  
2227 Wood (Aluminum;  
Grey; White; Semi-Steel;  
Alloy) .....C  
Mousley & Sons, Charles,  
457 N. 12th (Aluminum;  
Brass; Bronze).....D  
North American Smelting  
Co., 9th & Thompson  
(Brass) .....AA  
North Bros. Mfg. Co. (Brass  
Light & Specialty).....A  
Philadelphia Fdy. & Machine  
Co., 30th & Gray (Grey  
Iron, Daily Capacity, 40  
Tons) .....B  
Philadelphia Hdw. & Mal.  
Iron Wks. (Hdw.; Small)  
B  
Philadelphia Roll & Machine  
Co., 23d & Wash. Av.  
(Cupola; Air Furnace;  
Gun Metal; Rolling Mill;  
Furnace) .....A  
Philadelphia Steel & Iron  
Co., Frankford (Atlas  
Steel; Cupola; Air Fur-  
nace; Steel) .....B  
Philadelphia Stove & Iron  
Fdy., 1625 N. 5th (Grey  
Iron) .....B  
Phoenix Bridge Co. (Bridge;  
Grey Iron) .....A  
Phosphor Bronze Smelting  
Co., 220 Washn. Av.  
(Brass; Bronze; Phosphor  
Bronze) .....A  
Reeves & Son, Paul S., 1415  
Catherine (Aluminum;  
Bronze; Copper; Gun  
Metal; Manganese Bronze;  
Manganese Steel; Marine)  
B  
Savill; Thos., 11th & Wood  
(Brass) .....C  
Sharpless & Watts (Heavy  
Brass) .....A  
Sheeler-Hemsher Co., 811  
Fairmount Av. (Alumin-  
um; Brass; Bronze; Cop-  
per) .....D  
Southwark Foundry & Mach.  
Co. (Heavy Iron).....AAA  
Standard Steel Wks., Harri-  
son Bldg. (Steel Locomo-  
tive) .....AA  
Sterlingworth Railway Sup-  
ply Co., N. Amer. Bldg.  
Copper; Cupola; Air; Fur-  
nace) .....A  
Swoyer Co., A. P., 17 N.  
7th (Brass) .....A  
Tacony Iron Co. (Grey  
Iron) .....A  
Thompson & Co., J.  
(Special) .....B  
Wharton & Co., Wm., Jr.,  
25th & Wash. Av. (Rail-  
road & Steel) .....AAA  
Wood & Co., R. D. (Gas  
Works) .....AAAA  
Yocum & Son, James, 145 N.  
2d (Brass) .....B  
**PA.—Phoenixville**  
Logan Mfg. Co. (Dynamo;  
Motor; Furnace; Lath).B  
**PA.—Pittsburg**  
American Fdy. & Construc-  
tion Co. (Cupola; Air Fur-  
nace; Rolling Mill).....B  
Bailey-Farrell Mfg. Co.  
(Aluminum; Brass;  
Bronze; Copper; Phosphor  
Bronze) .....AA  
Best Mfg. Co., 25th & A. V.  
Ry. (Brass; Bronze; Cop-

# CASTINGS (Con.)

per; Climax Bronze; Gun  
Metal; Phosphor Bronze;  
Semi-Steel) .....A  
Cadman Mfg. Co., Smallman  
(Aluminum, Brass;  
Bronze) .....D  
Carnegie Steel Co., Ltd.  
(Iron) .....AAAA  
Chaplin-Fulton Mfg. Co., 28  
Penn. Av. (Brass).....A  
Epping-Carpenter Co., 41st  
& A. V. Ry. (Brass;  
Bronze) .....A  
Ft. Pitt Malleable & Grey  
Iron Co. ....B  
Garrison Fdy. Co., A. So.  
9th & Bingham (Rolling  
Mill; Furnace) .....AAA  
Hogg Iron & Steel Fdy. Co.,  
Geo. A., 24th & R. R.  
(Rolling Mill; Furnace  
Steel) .....A  
Keystone Bronze Co., 20th  
& A. V. Ry. (Bronze)....C  
Lewis Fdy. & Machine Co.,  
1001 Bingham (Rolling  
Mill; Furnace) .....A  
McConway & Torley Co.,  
48th & A. V. R. R. (Steel  
Open Hearth; Mal. R. R.)  
AA  
McKenna Bros. Brass Co.,  
1st Av. & Ross (Brass).A  
Mackintosh, Hemphill & Co.,  
ft. 12th (Rolling Mill;  
Furnace; also Steel).AAA  
Mansfield Mfg. Co., 50 First  
Av. (Brass) .....B  
Marshall Foundry, 28th &  
R. R. (Rolling Mill; Fur-  
nace) .....AA  
Mesta Machine Co., Lewis  
Blk. (Rolling Mill; Fur-  
nace; also Steel).....AAA  
Penna. Malleable Co. (Mal.  
R. R.) .....A  
Pittsburg Brass Mfg. Co.,  
107 Wood (Aluminum;  
Brass; Copper) .....D  
Pittsburg Malleable Iron  
Co. (Motor; R. R. &c.).B  
Pittsburg Mfg. Co. (Iron).A  
Pittsburg Steel Fdy., 541  
Wood (Railroad; Steel)  
AA  
Pittsburg Piping & Equip-  
ment Co., 35th (Brass;  
Bronze) .....B  
Pittsburg Reduction Co.  
(Aluminum) .....AAAA  
Pittsburg Valve Fdy. & Con-  
struction Co. Duquesne  
Way (Brass; Bronze; Grey  
Iron; Phosphor Bronze).  
AA  
Sterritt Foundry Co., Thos.,  
32d & Smallman (Rolling  
Mill; Furnace) .....A  
Union Fdy. & Machine Co.,  
W. Carson (Railroad)...B  
Union Steel Casting Co., 61st  
& A. V. R. R. (Steel)...B  
Union Engineering & Fdy.  
Co., 5th & A. V. R. R.  
(Brass; Bronze; Steel)  
AAAA  
**U. S. Aluminum Co.**  
(Aluminum) .....B  
Velte Fdy. & Machine Co.,  
Home & A. V. R. R.  
(Rolling Mill; Furnace).C  
Yagle & Co., Wm., 400 32d  
(Rolling Mill; Furnace  
Runners; Fountains; Sprue  
Plates, &c.) .....C  
**PA.—Reading**  
Connard, Henry (Brass)..C  
Johnston Fdy. & Machine  
Co. (Rolling Mill; Fur-  
nace) .....B  
(Brass; Iron) .....A  
Natl. Brass & Iron Wks.  
(Brass; Iron) .....A  
Reading Foundry Co.  
(Special) .....B  
Reading Iron Co. (Rolling  
Mill; Furnace) .....AAA  
**PA.—Scottdale**  
Kenny & Co. (Iron) .....A  
**PA.—Scranton**  
Everhart Brass Works (Alu-  
minum; Brass) .....A  
McClave-Brooks Co. (Brass)

# CASTINGS (Con.)

**Scranton Steam Pump Co.** (Brass).....B  
**PA.—Sharon**  
 Natl Malleable Casting Co. (Steel Open Hearth; R. R. Castings; Motor Gear Blks.).....AAAA  
**Sharon Foundry Co.** (Rolling Mill; Furnace).....AA  
**PA.—South Bethlehem**  
 Bethlehem Fdy. & Machine Co. (Chemical Work; Marine).....C  
 Bethlehem Steel Co. (Railroad; Iron; Steel).....AAAA  
**PA.—Steelton**  
 Pennsylvania Steel Co. (Street Railway Tracks).....AAAA  
**PA.—Tamaqua**  
 Tamaqua Mfg. Co. (Iron; Stove).....B  
**PA.—Tatamy**  
 Messinger Mfg. Co. (Grey Iron).....B  
 Burley Heater Co. (Grey Iron).....D  
**PA.—Tyrone**  
 Tyrone Fdy. & Machine Co. (Railroad; Rolling Mill; Furnace).....C  
**PA.—Warren**  
 Allegheny Foundry Co. (Semi-Steel).....E  
 Jacobson Machine Mfg. Co. (Brass & Iron).....B  
**PA.—Wilkesbarre**  
 Vulcan Iron Wks. (Brass; Bridge; Bridge Pier; Building; Copper; Heavy Grey; Malleable Iron; Gun Metal; Heavy Iron; Mill; Saw Mill; Store Front; Bronze; Car; Engine; Locomotive; Machinery; Railway).....AAAA  
**PA.—Williamsport**  
 Darling Pump & Mfg. Co. (Brass; Bronze; Phosphor Bronze).....B  
 Valley Iron Works (Brass; Bronze; Castings for Musical Boxes, &c.).....A  
**PA.—Wrightsville**  
 Susquehanna Casting Co. (Grey Iron, light).....AA  
**PA.—York**  
 Norway Iron & Steel Co. (Iron; Steel; up to 500 lbs; Light Malleable Iron).....A  
 York Mfg. Co. (Grey Iron; Gun Metal).....AA  
**R. I.—Hills Grove**  
 Rhode Island Malleable Iron Wks. (Mal. Iron).....B  
**R. I.—Providence**  
 Brown & Sharpe Mfg. Co. (Iron; Bench Leg).....AAAA  
 Builders Iron Foundry (Brass; Iron).....AAA  
 Carpenter & Sons Fdy. Co. A. (Grey Iron).....B  
 Franklin Machine Co. (Mill).....A  
**Fuller, Frederick** (Brass; Bronze).....A  
**Harris Steam Engine Co.** Wm. A. (Brass; Iron).....B  
**Providence Aluminum Co.** F White, Stillman (Brass).....B  
**S. C.—Spartanburg**  
 Morgan Iron Works (Iron).....C  
**TENN.—Chattanooga**  
 Chattanooga Car & Fdy. Co. (Bronze; Brass).....A  
 Ornamental Iron & Wire Co. (Brass; Iron).....D  
 Southern Malleable Iron Co. (Railroad; Machy., &c.).....A  
**TENN.—Jackson**  
 Southern Engine & Boiler Co. (Brass; Iron; Bronze).....A  
**TENN.—Memphis**  
 Chickasaw Iron Works (Brass; Bridge; Railway).....A  
 Livermore Fdy. & Mach. Co. (Brass; Iron).....A

# CASTINGS (Con.)

**TEXAS—Dallas**  
 Moser Mfg. Co. (Brass).....C  
**TEXAS—El Paso**  
 El Paso Foundry & Mach. Co. (Iron).....A  
**TEXAS—Fort Worth**  
 Midland Brass Works (Aluminum; Brass; Bronze; Copper).....D  
**TEXAS—Houston**  
 Dixon Car Wheel Co. (Railroad Car; Engines, &c.).....A  
**VT.—Bellows Falls**  
 Bellows Falls Machine Co. (Brass).....B  
**VT.—Burlington**  
 Lang & Goodhue Mfg. Co. (Brass).....B  
**VA.—Lynchburg**  
 Glamorgan Pipe & Foundry Co. (Special).....A  
**VA.—Norfolk**  
 Edmunds, Walker (Brass).....D  
 Whitehurst Co., R. W. (Agricultural Machy.).....B  
**VA.—Petersburg**  
 Petersburg Iron Works Co. (Marine).....D  
**VA.—Pulaski**  
 Doe Fdy., Car Wheel & Machine Co. (Brass).....AAAA  
**WASH.—Spokane**  
 National Iron Works (Brass; Railroad).....C  
**WASH.—Whatcom**  
 Puget Sound Iron & Steel Wks. (Brass; Iron; Steel).....B  
**W. VA.—New Cumberland**  
 Davis-Price Fdy. & Machine Co. (Brass).....C  
**W. VA.—Wheeling**  
 Portsmouth Steel Co. (Steel).....AA  
 Wheeling Mold & Fdy. Co. (Railroad; Rolling Mill; Furnace).....A  
**WIS.—Beaver Dam**  
 Beaver Dam Mal. Iron Co. (Iron).....B  
**WIS.—Corliss**  
 Brown-Corliss Engine Co. (Rolling Mill; Furnace).....AA  
**WIS.—Cudahy**  
 Power & Mining Machy. Co. (Grey Iron; Phosphor Bronze; Rock Crusher; Semi-Steel; Steel).....AA  
**WIS.—Kenosha**  
 Badger Brass Mfg. Co. (Brass).....B  
**WIS.—Milwaukee**  
 Bayley & Sons Co., Wm. (Iron).....A  
 Christensen Engineering Co. Park Pl. (Brass; Bronze).....A  
**Dutcher & Co., J. A. & P. E.** (Steel).....B  
**Falk Co.** (Railroad).....A  
**Filer & Stowell Co.** (Iron).....AAA  
**Hewitt Mfg. Co.** 241 Greenfield Av. (Brass).....A  
**Hoffman & Billings Co.** 96 2d (Brass).....AA  
**Milwaukee Mal. & Grey** Iron Wks. ....D  
**North Western Mal. Iron** Co. (Agric.; Car, &c.).....AA  
**Shaw Gerlinger Steel** Casting Co. (Steel Crucible).....C  
**Shaw Steel Casting Co.** 123 S. Bay (Steel).....B  
**Sheriffs Mfg. Co.** (Brass; Iron).....B  
**Western Mal. & Grey** Iron Co. 139 Burrell .....C  
**Wisconsin Malleable** Iron Co. (Railroad).....A  
**WIS.—Racine**  
 Belle City Malleable Iron Co. (Carriage, &c.).....B  
 Dickey Mfg. Co., A. P. (Grey Iron).....E  
 Lakeside Malleable Iron Co. ....B  
 Racine Malleable Wrought Iron Co. (Wagon, &c.).....A  
 Rowland, John T. (Brass; Copper).....D  
**WIS.—South Milwaukee**  
 Stowell Mfg. & Fdy. Co.

**CASTINGS (Con.)**  
 (Light Iron for all purposes) .....A  
**WIS.—Waukeesa**  
 Waukeesa Mal. Iron Co.  
 (Implements, &c.).....B

## CASTS

**ILL.—Chicago**  
 Dietzen Co., Eugene (Artists') .....A  
**MICH.—St. Johns**  
 St. Johns Iron Wks. (Expansion) .....E  
 New York City  
 Bergers' Sons (Plaster; Composition) .....E  
 Castelvechi & Co., L., 225  
 4th Av. (Bronze; Plaster; Artists') .....D  
**OHIO—Cleveland**  
 Francis Statuary Co. (Plaster) .....D

## CATALOGUES

New York City  
 Thomas Press. 18-20 Rose  
 (Trade, &c.) .....A

## CATAPULTS

**CONN.—New Haven**  
 Seamless Rubber Co. ....AA

## CATCHERS

**CONN.—New Haven**  
 New Haven Car Register  
 Co. (Trolley Pole).....X  
**ILL.—Decatur**  
 Chambers-Bering-Quinlan  
 Co. (Hog.) .....A  
**MINN.—Minneapolis**  
 Minn. Beekeeper's Supply  
 Mfg. Co. (Swarm) .....X  
**N. Y.—Brooklyn**  
 Wilson & Co., 313 Fulton  
 (Trolley Pole) .....X  
**N. Y.—Syracuse**  
 Stearns & Co., E. C. (Trolley Pole) .....AA  
**OHIO—Akron**  
 Whitman & Barnes Mfg. Co.  
 (Grass) .....AAAA  
**OHIO—Canton**  
 Ney Mfg. Co. (Grass) ....B  
**OHIO—Cleveland**  
 Taylor & Bogges Fdy. Co.  
 (Mail) .....AA  
**PA.—Philadelphia**  
 Enterprise Mfg. Co. (Grass)  
 .....AAAA  
 Philadelphia Lawn Mower  
 Co., 3100 Chestnut (Grass)  
 .....B  
 Supplee Hdware. Co. (Grass)  
 .....AA

## CATCHES

**CONN.—Bridgeport**  
 Gaynor & Mitchell Mfg. Co.  
 (Screen Door) .....D  
**CONN.—Bristol**  
 Sessions & Son, J. H.  
 (Trunk) .....AAA  
**CONN.—New Haven**  
 Mallory, Wheeler Co.  
 (Cupboard) .....AA  
 Sargent & Co. (Cupboard;  
 Screen Door; Refrigerator;  
 Elbow; Showcase; Trans-  
 som; Window) .....AAAA  
**CONN.—Stamford**  
 Yale & Towne Mfg. Co.  
 (Cupboard; Screen Door;  
 Transom; Elbow) .....AAAA  
**ILL.—Freeport**  
 Arcade Mfg. Co. (Refrigerator)  
 .....B  
**ILL.—Rockford**  
 Sovereign, C. E. (End Gate)  
 .....C  
**MICH.—Grand Rapids**  
 Grand Rapids Brass Co.  
 (Door) .....A  
 Hardware Supply Co. (Door)  
 .....F  
**N. Y.—Manhasset**  
 Cheney & Son, S. (Barn Door)  
 .....A  
 New York City  
 Ludwige, A., 75 Spring  
 (Box) .....B  
 Peck, Stow & Wilcox Co.,

**CATCHES (Con.)**  
 27 Murray (Cupboard;  
 Screen Door; Transom)  
 .....AAAA  
 Russell & Erwin Mfg. Co.,  
 43 Chambers (Cupboard;  
 Elbow; Screen Door; Transom;  
 Window) .....AAAA  
**N. Y.—Rochester**  
 Caldwell Mfg. Co. (Window)  
 .....E  
**OHIO—Canton**  
 Ney Mfg. Co. (Door;  
 Elbow) .....B  
**OHIO—Cincinnati**  
 Gebhardt Bros., Lion Bldg.  
 (Safety for Lapel Buttons)  
 .....C  
**OHIO—Cleveland**  
 Universal Fastener Co. (Cup-  
 board; Door; Window) .....F  
**OHIO—Ravenna**  
 Williams, A. C. (Barn Door)  
 .....A  
**PA.—Lancaster**  
 National Mfg. Co. (Cup-  
 board; Screen Door) ...D  
**PA.—Philadelphia**  
 Schoenbut & Co., A. (Olgar;  
 Plush Box) .....X  
**PA.—Reading**  
 Chantrell Tool Co. (Cup-  
 board) .....B  
 Reading Hardware Co. (Cup-  
 board; Elbow; Screen Door;  
 Showcase; Transom; Window) .....AAA  
**R. I.—Providence**  
 Wall & Co., A. F. (Jewelry)  
 .....O

## CATGUT

**N. J.—Paterson**  
 Dempwolf, Chas. Jr. ....X

## CATHETERS

**IND.—Indianapolis**  
 Armstrong & Co., Wm. H.  
 (Rubber) .....B  
**MASS.—Andover**  
 Tyler Rubber Co. (Rubber)  
 .....AA  
 New York City  
 Johnson & Johnson, 100  
 William (Rubber) .....B  
 Parker, Stearns & Sutton  
 (Rubber) .....B  
**OHIO—Akron**  
 Akron Rubber Wks. (B. F.  
 Goodrich Co., Prop.)  
 (Rubber) .....AAAA  
 Faultless Rubber Co.  
 (Rubber) .....AA  
 Miller Rubber Mfg. Co.  
 (Rubber) .....B

## CATSUP

See Condiments

## CAUSTIC

**N. Y.—Syracuse**  
 Solvay Process Co. (Alkali)  
 .....AAAA

## CAVIAR

See Fish

## CEDAR

See Lumber

## CEILINGS

**DEL.—Wilmington**  
 McCullough Iron Co. (Iron;  
 Steel) .....AA  
**GA.—Savannah**  
 Southern Pine Co. (Yellow Pine)  
 .....AAAA  
**ILL.—Chicago**  
 Friedley & Voshardt, 196  
 Wacker (Sheet Steel) ...C  
 Illinois Malleable Iron Co.  
 (Plate) .....AA  
 Moore & Co., E. B.  
 (Parquet) .....D  
 Wallace Supply Co., 169  
 Jackson Boul. (Car)....D  
**LA.—Lake Charles**  
 Bradley-Ramsey Lumber Co.  
 (Yellow Pine) .....AAAA  
**MINN.—St. Paul**  
 St. Paul Roofing Cornice &

**CEILINGS (Con.)**

Ornament Co. (Sheet Steel) .....B  
**MINN.—Winona**  
 Doud Sons & Co. (Bead) ..O  
**MO.—St. Louis**  
 Harry Steel Wks., O. K. (Steel) .....B  
 Meska & Bro. (Metal) .AA  
 Souther Iron Co., E. E., 2206 N. 2nd (Sheet Steel) ...B  
**N. J.—Harrison**  
 Bowers Mfg. Co. (Car) ...X  
**N. J.—New Orange**  
 American Veneer Co. (Car) D

**N. Y.—Binghamton**  
 Roberson & Son, A. (Wood) AA

**N. Y.—Brooklyn**  
 American Metal Ceilings Co., 215 Montague (Sheet Steel) .....F

Brooklyn Metal Ceiling Co., 283 Greene Av. (Sheet Steel) .....E

**New York City**  
 Coburn & Dodge, 244 Water (Mfrs. Agt. Sheet Steel).F  
 Denzl & Phillips, 24 Dey (Marbleized Glass) ....O

Frost Veneer Seating Co., 206 Canal (Car) .....AA

Lyle & Mills Metal Ceiling Co., 231 William (Sheet Steel) .....F

Manhattan Glass Tile Co., 157 10th Av. (Marbleized Glass) .....D

Mansfield & Co., 158 Chambers (Marbleized Glass).F

Moseley Iron Bridge & Roof Co., 39 Cortlandt (Iron; Steel) .....B

N. Y. Metal Ceiling Co., 537 W. 24th (Sheet Steel) ...A

Northrop, H. S., 40 Cherry (Sheet Steel) .....B

**OHIO—Cambridge**  
 Cambridge Roofing Co. (Sheet Steel) .....B

**OHIO—Canton**  
 Berger Mfg. Co. (Sheet Steel; Metal; Iron) ..AA

Canton Steel Roofing Co. (Sheet Steel; Metal; Iron; Steel) .....A

Eller & Co., J. H. (Sheet Steel) .....A

Kanneberg Roofing & Ceiling Co. (Sheet Steel) ..O

**OHIO—Cincinnati**  
 Hyndmann Steel Roofing Co. (Corrugated) .....C

**OHIO—Cleveland**  
 Garry Iron & Steel Co. (Metal; Iron; Steel) ..A

**OHIO—Columbus**  
 Kinneer & Gaver Co. (Sheet Iron; Steel) .....A

**OHIO—Forest**  
 Dickelman Mfg. Co. (Sheet Steel) .....B

**OHIO—Martins' Ferry**  
 Acme Sheet Metal Co. (Sheet Steel) .....D

**OHIO—Middletown**  
 American Steel Roofing Co. (Sheet Steel) .....AA

**OHIO—Niles**  
 Sheet Metal Mfg. Co. (Sheet Steel) .....B

**OHIO—Salem**  
 Millins, W. H. (Steel; Zinc) .....A

**OHIO—Youngstown**  
 Youngstown Iron Sheet & Tube Co. (Iron; Steel) AAAAA

Youngstown Iron & Steel Roofing Co. (Iron; Steel) AA

**PA.—McKeesport**  
 Encaustique Metal Interior Co. (Sheet Steel) .....X

**PA.—Philadelphia**  
 Cortright Metal Roofing Co. (Metal) .....B

Gara, McGinley & Co. (Metal; Steel) .....A

Penn. Metal Ceiling & Roofing Co. (Sheet Steel) D

Wood Alan Iron & Steel Co., 519 Arch (Iron; Steel) AAAAA

**CEILINGS (Con.)**

**PA.—Pittsburg**  
 Goff, Horner & Co. (Iron; Steel) .....A  
 Iron City Metal Ceiling Co., Schmidt Bldg. (Sheet Steel) .....E  
 Keigley Metal Ceiling & Mfg. Co., S. Locust & Chestnut (Sheet Steel; Iron) .....D  
 Scalfe & Sons Co., Wm. B. 221 1st Av. (Sheet Steel; Iron; Steel; Metal) AAAAA

**PA.—Reading**  
 Reading Terra-Cotta & Stove Lining Wks. (Terra-Cotta) .....C

**PA.—Rochester**  
 Miller & Sons Co., Wm. (Wood) .....A

**W. VA.—Wheeling**  
 Laughlin Nail Co. (Sheet Steel) .....AA

West Virginia Steel Co. (Sheet Steel) .....A

Wheeling Corrugating Co. (Sheet Steel; Corrugated; Embossed Steel; Metal) AAAAA

**WIS.—Milwaukee**  
 Milwaukee Corrugating Co. (Sheet Steel) .....A

**WIS.—Sheboygan**  
 Frosts' Veneer Seating Co. (Car) .....B

**CELLARETTES**

See Furniture

**CELLS**

**ILL.—Chicago**  
 Smith Wire & Iron Works (Jail) .....AA

**MASS.—Boston**  
 New England Pottery Co. (Battery; Filter) .....C

**MICH.—Detroit**  
 Barnum, E. T. (Jail) .....B

Bolles Iron & Wire Wks., J. E. (Jail) .....D

**N. J.—Jersey City**  
 Eastern Carbon Wks. (Cylinder) .....A

**N. J.—Salem**  
 Salem Glass Wks. (Battery) B

**New York City**  
 Edison Phonograph Agency (Battery) .....D

Gordon Battery Co. (Battery) .....D

**OHIO—Akron**  
 Goodrich Co., B. F. (Battery) .....AAAA

**OHIO—Bellaire**  
 Rodefer Bros. (Battery).A

**OHIO—Canton**  
 Diebold Safe & Lock Co. (Jail) .....AAA

**OHIO—Cincinnati**  
 Stewart Iron Works (Jail) .....A

**OHIO—Cleveland**  
 National Carbon Co. (Battery) .....AAAA

Van Dorn Iron Wks. Co. (Jail) .....AA

**OHIO—Springfield**  
 Rogers Iron Co. (Jail)..B

**TENN.—Chattanooga**  
 Ornamental Iron Wks. Co. (Jail) .....X

**CELLULOID****GOODS**

**MASS.—Athol**  
 Wilcox, Joseph .....D

**MASS.—Leominster**  
 Blodgett & Co., B. F. ....S

Columbia Comb Co. (Combs) .....X

Damon Co. (Combs) .....B

Earl & Co., W. D. (Combs) O

Goodale Comb Co. (Combs) X

Howe Comb Co. (Combs) D

Kingman & Co., E. B. ....B

Leominster Button Co. (Buttons) .....D

**CELLULOID GOODS**

Leominster Comb Co.  
(Combs) .....D  
Newton & Merriman  
(Combs) .....D  
Paton Mfg. Co. (Combs) ..B  
Pickering-Metcalf Co.  
(Combs) .....O  
Tenney & Porter (Combs) O  
Tillon & Cook .....A  
Union Mfg. Co. ....E  
Williams & Winn Co. ....D  
**MASS.—Newburyport**  
Richardson Co., G. W.  
(Combs) .....D  
**N. J.—Newark**  
Celluloid Co. ....B  
Newark Tortoiseshell Nov-  
elty Co. ....D  
Whitehead & Hoag Co. AAA  
**N. Y.—Rochester**  
Pulver Co., F. F. (Adver-  
tising Novelties) .....B

**CEMENT**

**ALA.—Birmingham**  
Southern Cement Co.  
(Portland; Hydraulic) ..A  
**ALA.—Demopolis**  
Alabama Portland Cement  
Co. (Ltd.) (Portland) ..A  
**ARK.—White Cliffs**  
Southwestern Portland Ce-  
ment Co. (Portland) ....A  
**CAL.—Los Angeles**  
Balfour-Guthrie & Co. (Bel-  
gian; English) .....AAAA  
California Portland Cement  
Co. (Portland) .....A  
**CAL.—San Francisco**  
California Anti-Caloric Co.  
(Furnace; Stove) .....E  
Cowell & Co., Henry  
(Hydraulic) .....AAA  
Pacific Portland Cement Co.  
(Portland) .....A  
Spreckles Bros. Co., J. D.  
(Importers English)AAAA  
**COLO.—Portland**  
Portland Cement Co. (Port)  
A  
**CONN.—Bethel**  
Shepard & Co., Geo. A.  
(Rubber) .....F  
**CONN.—Derby**  
Clark Cast Steel Cement Co.  
(Iron; Steel Castings) ..G  
**CONN.—Hartford**  
Hartford Rubber Wks. Co.  
(Rubber) .....AAAA  
Jewell Belting Co. (Belt)  
AAA  
**CONN.—Shelton**  
Clark & Co., D. N. (Cast  
Steel) .....C  
**GA.—Atlanta**  
Southern Roofing Mfg. Co.  
(Fibrous Asbestos) .....D  
Southern States Portland  
Cement Co. (Portland) ..A  
**GA.—Savannah**  
Hanley Co., Andrew (Im-  
porters Belgian; English)  
A  
**ILL.—Chicago**  
Chicago Asbestos Mfg. Co.,  
96 W. Lake (Asbestos) E  
Chicago Fire Proof Covering  
Co., 18 N. Canal (Asbes-  
tos; Furnace; Stove; Roof-  
ing) .....E  
Chicago Portland Cement Co.  
(Portland) .....A  
Crane Co. (Pipe Joint;  
Steamfitters') .....AAAA  
Excelstor Steel Furnace Co.,  
40 W. Monroe (Asbestos)  
A  
German American Portland  
Cement Works .....A  
Gumbo Cement Co., 86 N.  
Clark (Pipe Joint) .....F  
Illinois Steel Co. (Cement  
Dept.) (Puzzolan) ..AAAA  
Martell Co. (Leather; Rub-  
ber) .....E  
Morgan & Wright (Inc.) 833  
W. Lake (Brush; Shoe;  
Steel; Rubber) .....AA  
Munson Belting Co., Chas.  
(Belt) .....B  
Rosenthal Mfg. Co. (Jewel-  
ers) .....X  
Sail Mountain Asbestos Co.,  
123 Ontario (Asbestos) ..F

**CEMENT (Con.)**

Spinks & Co., Wm. A. 8 N.  
Clark (Billiard Cue Tip) A  
**ILL.—Rockland**  
Lewis Roofing Co. (Asphalt)  
B  
**ILL.—Utica**  
Utica Cement Mfg. Co.  
(Nat. Hyd.) .....A  
Utica Hydraulic Cement Co.  
(Nat. Hyd.) .....A  
**IND.—Evansville**  
Ellert, C. H. (Leather;  
Rubber) .....X  
**IND.—Jeffersonville**  
Kentucky & Indiana Cement  
Co. (Hyd.) .....A  
**IND.—Lafayette**  
Boyle Mfg. Co. (Roofing) ..D  
**KANS.—Iola**  
Iola Portland Cement Co.  
(Port.) .....AAAA  
Kansas Portland Cement Co.  
(Port.) .....A  
**KY.—Louisville**  
Louisville Cement Co. (Nat.  
Hyd.) .....A  
Union Cement & Lime Co.  
(Nat. Hyd.) .....A  
**MD.—Baltimore**  
Baltimore Roofing & Coal  
Tar Co., 1211 Leaderhall  
(Roofing) .....F  
Baltimore Terra-Cotta Wks.  
(Fire) .....B  
Clarke, Wirt & Son (Im-  
porters English) .....F  
McCormick & Co. (Glass;  
Crocery) .....D  
Maryland Cement Co.  
(Port.; Hyd.) .....A  
Maryland Lime & Cement  
Co., 217 Borolys Whf.  
(Imp. Belgian; English)  
A  
National Building Supply  
Co., Lex. & North (Imp.  
Belgian; English; Ger-  
man) .....B  
**MD.—Cumberland**  
Cumberland Hyd. Cement &  
Mfg. Co. (Hyd.) .....A  
**MD.—Hancock**  
Round Top Hyd. Cement Co.  
(Hyd.) .....A  
**MASS.—Boston**  
Boston Belting Co., 256 Dev-  
onshire (Rubber) .....AAAA  
Golding & Co. (Binders;  
Printers') .....B  
Hauthaway, C. L. (Rubber)  
A  
Trainer Mfg. Co., C. W., 89  
Pearl (Furnace; Stove) ..E  
Waldo Bros. (Importers Bel-  
gian; English; German)  
AAA  
Warren Bros. Co., 93 Fed-  
eral (Asphalt; Roofing)  
AA  
Wheeler, Asabel, 53 High  
(Pipe Joint) .....C  
**MASS.—Cambridgeport**  
Pursell, Hycent, 441 Main  
(Original Elastic; Original  
Roofing) .....D  
Webster, W. F. (Elastic;  
Roofing) .....C  
**MASS.—Gloucester**  
Russia Cement Co. (Belt) ..A  
**MASS.—Newburyport**  
Victor Mfg. Co. (Elastic;  
Roofing) .....E  
**MASS.—Swampscott**  
Para Rubber Cement Co.  
(Rubber) .....B  
**MASS.—Taunton**  
Presbrey Fire Brick Wks.  
(Fire) .....F  
Union Stove Lining Co.  
(Fire) .....O  
Williams Stove Lining Co.  
(Furnace; Stove) .....B  
**MASS.—Worcester**  
Algonquin Red State Co., 10  
E. Worcester (Elastic;  
Roofing) .....B  
Desper, Henry A. (Pipe  
Joint) .....F  
**MICH.—Alpena**  
Alpena Portland Cement Co.  
(Port.) .....A  
**MICH.—Bronson**  
Bronson Port. Cement Co.  
(Port) .....A

**CEMENT (Con.)**

**MICH.**—Coldwater  
Wolverine Port. Cement Co.  
(Port.) .....AAA  
**MICH.**—Detroit  
Detroit White Lead Works  
(Rubber) .....AAA  
Great Northern Cement Co.  
(Port.) .....A  
Wabash Portland Cement Co.  
(Port.) .....A  
**MICH.**—Elk Rapids  
Elk Rapids Port. Cement Co.  
(Port.) .....AAA  
**MICH.**—Jackson  
Peninsular Portland Cement  
Co. (Port.) .....A  
**MICH.**—Jonesville  
Omega Portland Cement Co.  
(Port.) .....A  
**MICH.**—Newaygo  
Newaygo Portland Cement  
Co. (Portland) .....A  
**MICH.**—Saginaw  
United States Graphite Co.  
(Pipe Joint) .....AAA  
Wickes Bros. (Machinery)  
AAA  
**MICH.**—Union City  
Peerless Portland Cement  
Co. (Port.) .....A  
Sillexoid Portland Cement  
Co. (Portland) .....A  
**MINN.**—Minneapolis  
Maire Paint Co., 241 1st  
Av. (Elastic Roofing; all  
minerals) .....F  
Nott Co., W. S. (Asbestos)  
AA  
**MINN.**—Winona  
Union Fibre Co. (Asbestos)  
B  
**MO.**—Kansas City  
Midland Asbestos Mfg. Co.  
Asbestos; Stove; Fur-  
nace) .....E  
**MO.**—St. Louis  
Amer. Insulating Material  
Mfg. Co., 213 N. 3d (Gran-  
ite Rock; Asphalt Roof-  
ing) .....B  
Asphalt Roofing Co. (As-  
phalt Roofing) .....X  
Nolde Dental Mfg. Co., J.  
T. (Dental) .....C  
St. Louis Portland Cement  
Co. (Portland) .....AAAA  
Shultz Belting Co. (Belting)  
AA  
Trinidad Asphalt Mfg. Co.  
(Asphalt; Asphalt Roof-  
ing) .....A  
**N. H.**—Concord  
Page Belting Co. (Leather)  
AA  
**N. J.**—Alpha  
Alpha Portland Cement Co.  
(Portland) .....AAAA  
**N. J.**—Bound Brook  
Graphite Lubricating Co.  
(Pipe Joint) .....B  
**N. J.**—Camden  
New Jersey Asbestos Co.  
(Asbestos; Pipe Joint) AA  
**N. J.**—Elizabeth  
Rankin Co., W. H. (Roof-  
ing) .....AA  
**N. J.**—Jersey City  
Baker, W. T. (Pipe Joint)  
D  
Dixon Crucible Co., Jos.  
(Pipe Joint Furnace;  
Stove) .....AAA  
Smooth-On Mfg. Co. (Pipe  
Joint; Iron) .....B  
Stowell Mfg. Co., 114-134  
Culver Av. (Asphalt Roof-  
ing) .....B  
Woolsey Paint & Color Co.  
(Roofing) .....A  
**N. J.**—Newark  
Cleaver, Wm. P. (Glass;  
Crockery) .....X  
Eureka Cement Co., Emmet  
cor. Av. A (Rubber) ....D  
Hetzl, J. G. (Est. of) 67  
Maine (Roofing) .....D  
**N. Y.**—Akron  
Akron Cement Wks. (Hy-  
draulic) .....A  
**N. Y.**—Albany  
Helderberg Cement Co.  
(Hyd.; Port.) .....A  
**N. Y.**—Alseni  
Alseni Am. Port. Cement  
Wks. (Port.) .....AAAA

**CEMENT (Con.)**

**N. Y.**—Brooklyn  
Wilson, Geo. W., 612 Myrtle  
Av. (Furnace Stove) ...A  
**N. Y.**—Buffalo  
Buffalo Cement Co., Ltd.  
(Port.) .....AAAA  
Hall & Sons (Fire) .....A  
McLennan Paint Co.  
(Brine Pipe) .....AA  
Union Akron Cement Co. ...A  
**N. Y.**—Clinton  
Clinton Metallic Paint Co.  
(Roofing) .....U  
**N. Y.**—Fayetteville  
Bangs & Gaynor (Nat. Hyd.)  
A  
**N. Y.**—Glens Falls  
Glens Falls Port. Cement Co.  
(Port.) .....A  
**N. Y.**—Hudson  
Hudson Port. Cement Co.  
(Port.) .....A  
**N. Y.**—Ithaca  
Cayuga Lake Cement Co.  
(Port.) .....A  
**N. Y.**—Jamesville  
Alvord & Co., E. B. (Nat.  
Hyd.) .....A  
Spencer & McCarthy (Nat.  
Hyd.) .....A  
**N. Y.**—Kingston  
Lawrence Cement Co. ....A  
**N. Y.**—Manlius  
Alvord, A. E. (Nat. Hyd.)  
A  
**New York City**  
Atlas Portland Cement Co.,  
30 Broad (Portland)AAAA  
Behrend, F., 54 Front (Im-  
porters; Fire) .....B  
Callahan & Co., Geo., 218  
Front (Pipe Joint; Roof-  
ing) .....F  
Cookston, Wm. H., 185  
Wooster (Pipe Joint) ...B  
Coplay Cement Mfg. Co.,  
949 Broadway (Nat. Hy-  
draulic) .....AAAA  
Fairbanks Co., 416 Broome  
(Machinery) .....AAAA  
Gabriel & Schall, 205 Pearl  
(Importers German Port-  
land) .....B  
Gast, Frank J., 26 Cortlandt  
(Asbestos) .....E  
Goodyears India Rubber  
Glove Mfg. Co., 503 Bway.  
(Rubber) .....AAAA  
Goodyear Rubber Co., 787  
Broadway (Rubber)AAAA  
Hammill & Gillespie, 240  
Front (Importers German  
Portland) .....A  
Johns-Manville Co., H. W.,  
100 William (Asbestos;  
Pipe Joint; Roofing; Fire  
Proof; Furnace; Retort)  
AAAA  
Major Cement Co., 461 Pearl  
(China; Leather; Rubber)  
X  
Manhattan Rubber Mfg. Co.,  
18 Vesey (Rubber) ...AA  
Marquardt & Co., 135 So.  
William (Importers Ger-  
man Portland) .....A  
Maurer & Son, Henry, 420 E.  
23d (Fire) .....AA  
Newark Lime & Cement Co.  
(Nat. Hydraulic) .....AAA  
New York Asbestos Mfg. Co.  
123 Liberty (Asbestos) O  
New York Belting & Pack-  
ing Co., 23 Park Pl. (Rub-  
ber) .....AAA  
New York Cement Co., 17  
Battery Pl. (Hydraulic) A  
Northampton Portland Ce-  
ment Co., 26 Broadway  
AAAA  
Stewart Mfg. Co., Wm. H.,  
81 Franklin (Furnace;  
Stove) .....U  
Thiele, E., 99 John (Im-  
porter Belgian; English;  
German Portland) ....B  
Virginia Portland Cement  
Co. 68 William .....A  
Warren Chemical Mfg. Co.,  
170 Bway. (Roofing) ...A  
Wheeling Corrugating Co.,  
47 Cliff (Roofing) .AAAA  
Whitehead Bros. Co., 537  
W. 27th (Foundry) ...AA  
Zinsser & Co., W., 197 Will-



**CEMENT (Con.)**  
 iam (Adhesive) .....A  
**N. Y.—Rochester**  
 Wayland Portland Cement  
 Co. ....A  
**N. Y.—Smiths Landing**  
 Catskill Cement Co. (Port.)  
 A  
**N. Y.—Syracuse**  
 Colebrook Sons & Co., W. H.  
 1419 Orange (Furnace;  
 Stove) .....B  
**N. Y.—Troy**  
 Cheney & Claxton (Wall) C  
 Connors Paint Mfg. Co.,  
 Wm. (Asbestos; Elastic;  
 Roofing; Furnace; Stove)  
 A  
 Thompson Sons & Co.,  
 John L. (Furnace) ....A  
**N. Y.—Warners**  
 Empire Portland Cement Co.  
 (Port.) .....A  
**N. Y.—Wayland**  
 Millen Co., Thomas (Port.)  
 A  
**OHIO—Bellefontaine**  
 Buckeye Portland Cement  
 Co. (Port.) .....A  
**OHIO—Cincinnati**  
 Bradford Belting Co. (Belt)  
 A  
 Obermayer Co., S. (Hydrau-  
 lic; Stove; Foundry; Iron)  
 AA  
**OHIO—Cleveland**  
 Bartlett, C. O. & Snow Co.  
 (Machinery) .....A  
 Diamond Portland Cement  
 Co. ....A  
 Garry Iron & Steel Roofing  
 Co. (Roofing) .....A  
 Gorsuch, T. M., 55 James  
 (Roofing) .....E  
 Kelly Island Lime & Trans-  
 port Co. (Importers German  
 Portland) .....AAAA  
 U. S. Dental Mfg. Co.  
 (Dental) .....D  
 Wellman-Seaver-Morgan Co.  
 (Machinery) .....AAAA  
**OHIO—Columbus**  
 Case Mfg. Co. (Belting) .A  
 Union Brick Supply Co.  
 Ruggery Bldg. (Roofing)  
 E  
**OHIO—Cuyahoga Falls**  
 Turner, Vaughn & Taylor  
 Co. (Machinery) .....B  
**OHIO—Ironton**  
 Ironton Portland Cement  
 Co. ....A  
**OHIO—Lackland**  
 Carey Mfg. Co., Philip (As-  
 bestos; Furnace; Stove;  
 Roofing; Retort) .AAA  
**OHIO—Sandusky**  
 Sandusky Portland Cement  
 Co. ....AAA  
**OHIO—Struthers**  
 Struthers Furnace Co.  
 (Puzzolan) .....A  
**OHIO—Toledo**  
 National Cement & Rubber  
 Mfg. Co. (Rubber; Bicy-  
 cle; Fire) .....C  
**OHIO—Youngstown**  
 Brier Hill Coal & Iron Co. A  
 Republic Rubber Co. (Rub-  
 ber) .....AA  
**PA.—Allegheny**  
 Chamberlin & Johnson  
 (Marble Cutters'; Rubber;  
 Gas Fitters') .....D  
 Eagle Paint & Varnish Co.  
 (Pipe Joint) .....B  
**PA.—Allentown**  
 Lehigh Portland Cement Co.  
 AAAAA  
 Penn-Allen Portland Cement  
 Co. ....A  
**PA.—Ambler**  
 Keasbey & Mattison Co. (As-  
 bestos; Pipe Joint).AAAA  
**PA.—Egypt**  
 American Cement Co. (Port-  
 land) .....AA  
**PA.—Erie**  
 Watson Co. H. F. (Asbestos;  
 Asphalt; Furnace; Stove;  
 Pipe Joint; Roofing)  
 AAA  
**PA.—Franklin**  
 Franklin Mfg. Co. (Asbes-  
 tos; Furnace; Pipe Joint)  
 AA

**CEMENT (Con.)**  
**PA.—Nazareth**  
 Dexter Portland Cement Co.  
 A  
 Nazareth Foundry & Mach.  
 Co. (Machinery) .....B  
 Phoenix Cement Co. (Port-  
 land; Hydraulic) .....A  
**PA.—Norristown**  
 Norristown Covering Co.  
 (Asbestos; Pipe Joint) ..C  
**PA.—Philadelphia**  
 Alexander Bros., 410 N. 3rd  
 (Belting) .....A  
 American Cement Co. of N.  
 J. (Port.) .....AAAA  
 Bonneville Portland Cement  
 Co., (Port.; Nat.; Hyd.)  
 AAA  
 Bowen's Sons, S., 4th &  
 Sedgley Av. (Roofing;  
 Furnace; Stove) .....E  
 Buckhorn Port. Cement Co.  
 (Port.) .....A  
 Eclipse Cement & Blacking  
 Co. (Leather; Rubber; Bi-  
 cycle) .....C  
 Edison Port. Cement Co.  
 (Port.) .....AAAA  
 French & Co., Sam'l H.,  
 York Av. (Importers Eng-  
 lish; French; German) .A  
 Lawrence Cement Co. of Pa.  
 Nat.; Hyd) .....AAA  
 Lucas & Co., John, 4th &  
 Race (Roofing) ....AAA  
 Meng & Co., Anthony, 190  
 S. Front (Importers Bel-  
 gian) .....F  
 Sibley, Gideon (Dental) .AA  
 Vulcanville Port. Cement  
 Co. (Port.) .....AAAA  
 Van Stan's Stratena Co.  
 (Ltd.) (Adhesive) .....E  
 Whitehall Port. Cement Co.  
 (Port.) .....A  
**PA.—Pittsburg**  
 Atlas Paint Co. (Ltd.), 2638  
 Liberty Av. (Roofing) .X  
 Castalia Portland Cement  
 Co. (Portland) .....AA  
 Hommel Co., O., 110 Mar-  
 ket (Pipe Joint) .....D  
 McConnell Asbestos & Cover-  
 ing Co. (Asbestos; Hot  
 Blast) .....B  
**PA.—Reading**  
 Reading Cement Co. (Nat-  
 ural Hydraulic) .....A  
 Wilhelm Co., A. (Aluminum;  
 Para Roofing) .....AA  
**PA.—Sharon**  
 Stewart Iron Co. (Cement  
 Dept.) (Puzzolan) .AAAA  
**PA.—So. Bethlehem**  
 Bethlehem Foundry & Mach.  
 Co. (Machinery) .....C  
**PA.—Wampum**  
 Crescent Portland Cement  
 Co. ....A  
**PA.—York**  
 York Chemical Co. (Asbes-  
 tos) .....A  
**R. I.—Providence**  
 Holbrook, A. & C. W.  
 (Belt) .....B  
 U. S. Gutta Percha Paint  
 Co. (Roofing; Elastic) .A  
**S. C.—Charleston**  
 South Eastern Lime & Ce-  
 ment Co. (Importers Bel-  
 gian; English; German) .B  
**TENN.—Chattanooga**  
 Chickamauga Cement Co. .A  
**TEXAS—Galveston**  
 Parr & Co., William (Bel-  
 gian; English; German) .B  
**UTAH—Salt Lake City**  
 Portland Cement Co. of  
 Utah (Port.) .....A  
**VT.—Rutland**  
 Rutland Fire Clay Co. (Fur-  
 nace; Stove; Cupola;  
 Foundry) .....B  
**VA.—Richmond**  
 Selin, Jno. A. (Asbestos) .F  
**WIS.—Milwaukee**  
 Milwaukee Cement Co. (Nat-  
 ural Hydraulic) .....A

## CENTERERS

**MASS.—Boston**  
 United Shoe Machinery Co.

**CENTERERS (Con.)**

(Vamp) .....AAAA

**CENTERS****CONN.—Branford**New York Lock Co. (Sash;  
Transom) .....B**CONN.—Hartford**Pratt & Whitney Co.  
(Bench; Index; Planer;  
Shaper) .....AAAA**CONN.—New Britain**Russell & Erwin Mfg. Co.  
(Sash Fastener) .....AAAA**CONN.—New Haven**New Haven Mfg. Co.  
(Planer) .....AA**CONN.—Southington**Peck, Stow & Wilcox Co.  
(Sash Fastener) .....AAAA**CONN.—South Norwalk**Norwalk Lock Co. (Sash  
Fastener) .....X**CONN.—Torrington**Hendey Machine Co.  
(Planer; Shaper) .....A**DEL.—Wilmington**Betts Machine Co. (Planer)  
A**ILL.—Rockford**

Sovereign, C. E. (Swivel).C

**IOWA.—Dubuque**Adams Co. (Iron Clothes  
Reel) .....B**MAINE.—Dexter**

Fay &amp; Scott (Planer) ....C

**MASS.—Fitchburg**Fitchburg Machine Wks.  
(Planer) .....A**Putnam Machine Co.**

(Bench; Planer) .....AA

**MASS.—Hyde Park**Becker-Brainard Milling  
Mach. Co. (Indexing).AA**MASS.—Springfield**Waltham Watch Tool Co.  
(Index) .....B**MASS.—Worcester**Reed Co., Francis (Planer)  
DWhitcomb Mfg. Co. (Planer)  
A**MO.—St. Louis**Kupferle, John C., 2nd &  
Mound (Sash Fastener).APlenger & Henger Mfg. Co.,  
11th & Hebert (Sash  
Fastener) .....A**N. J.—High Bridge**Taylor Iron & Steel Co.  
(Car Wheel) .....AAAA**N. J.—Newark**Gould & Eberhardt, 95 N. J.  
R. R. Av. (Index) .....A**N. Y.—Farmer**Coverts Saddlery Wks.  
(Neck Yoke) .....C**New York City**Garvin Machine Co., 137  
Varick (Index; Planer)..  
AAAManning, Maxwell & Moore,  
85 Liberty (Index).AAAANiles-Bement-Pond Co., 136  
Liberty (Index; Planer).  
AAASargent & Co., 151 Leonard  
(Sash; Transom) .....AAAAYale & Towne Mfg. Co., 9  
Murray (Sash; Transom).  
AAAA**OHIO.—Cincinnati**Cincinnati Milling Machine  
Co. (Index) .....A**PA.—Philadelphia**Newton Machine Tool Wks.,  
2343 Vine (Index) .....AStandard Tool Wks., Harri-  
son Bldg. (Car Wheel)..  
AA**PA.—Pittsburg**Pittsburg Steel Fdry. (Car  
Wheel) .....AAReil Steel Castings Co.  
(Car wheel) .....X**PA.—Reading**Penn. Hdw. Co. (Sash  
Fastener) .....AAHeading Hdw. Co. (Sash  
Fastener) .....AAA**PA.—Wrightsville**Wrightsville Hdw. Co. (Sash  
Fastener) .....C**CENTERS (Con.)****R. I.—Providence**Brown & Sharpe Mfg. Co.  
(Bench; Index) .....AAAA**WIS.—Milwaukee**Kemp Smith Mfg. Co., Lewis,  
cor. Woodward (Index).A**CENTRI-  
FUGALS**

See also Machinery

**MASS.—Boston**American Tool Machine Co.,  
109 Beach (Belt Water;  
Electrical Driven; for  
Laboratory; Experimental  
Use) .....AAA**N. C.—Winston Salem**

Salem Iron Wks. (Coffee).A

**CERAMICS**

See Mosaics

**CERATE****N. Y.—Elmira**

Rice Darby Co. (Rose) ..D

**CERESINE****New York City**De Bruenn Chem. & Dye-  
stuff Co., 6 Cedar ...D**PA.—Easton**Baker & Adamson Chemical  
Co. ....A**CERTIFI-  
CATES****ILL.—Chicago**Cory & Co., C. W., 41 S.  
Jefferson (Marriage) ...F**MASS.—Boston**

Brooks, Lyman B. (Stock)D

**MASS.—Springfield**Taber-Prang Art Co. (Mar-  
riage) .....AA**WIS.—Milwaukee**

Gugler Lithographic Co...A

**CESSPOOLS****CONN.—New Haven**

Peck Bros. &amp; Co. ....A

**ILL.—Chicago**Barbee Wire & Iron Wks.  
(Gutter) .....BIllinois Malleable Iron Co...  
AAAAWolff Mfg. Co., 177 W.  
Lake .....AAAA**ILL.—Quincy**Modern Iron Wks. (Ball  
Trap; etc.) .....B**ILL.—St. Charles**Glenn Mfg. Co. (Ball  
Trap, etc.) .....D**MASS.—Springfield**

Peck Bros. &amp; Co. ....B

Springfield Brass Co. ....B

**MICH.—Detroit**Northwestern Fdry & Sup-  
ply Co. ....D**MO.—St. Louis**Kupferle, John C., 2nd &  
Mound .....AAPlenger & Henger Mfg. Co.  
A**N. J.—Trenton**Trenton Brass & Machine  
Co. ....B**New York City**Central Fdry. Co., 116 Nas-  
sau .....AAAA**N. Y.—Seneca Falls**

Goulds Mfg. Co. ....AAA

**N. Y.—Syracuse**Stearns & Co., E. C.  
(Gutter) .....AA**N. Y.—West Coxsackie**West Coxsackie Iron Fdry.  
Co. ....F**OHIO.—Ashtabula**

Barber Mfg. Co. ....C

**OHIO.—Cleveland**

Madison Av. Foundry Co..D

**CESSPOOLS (Con.)**

**OHIO**—Columbus  
McDonald Bros. ....C  
**OHIO**—Mansfield  
Barnes Mfg. Co. (Hydrant) B  
Humphreys Mfg. Co. ....A  
**PA.**—Philadelphia  
Haines, Jones & Cadbury,  
1136 Ridge Av. ....AA  
**PA.**—Pittsburg  
Standard Mfg. Co. (Hydrant) ....AA

**CHAINS**

See also Jewelry; Hardware;  
Furnace

**CAL.**—Stockton  
Holt Mfg. Co. (Agricultural) ....AA  
**CONN.**—Bridgeport  
Bridgeport Brass Co. (Brass; Jack; Safety, etc.) ....AA  
Bridgeport Chain Co. (Agricultural; Aluminum; Awning; Brass Coll; Cow Tie; Halter; Hydrant Sets; Plumbers'; Railroad; Safety; Sash; Tieout; Triumph; Well; Windmill; Jack; Hanging Basket; Tettering; Picture; Harness; Post; Hitching; Rein; Trace; Bicycle; Dog; Kennel Key; Transom; Wagon; Fancy; Weldless; Flat Link; Bronze; Iron; Steel; Pump; Cast; Heel; Picket; Stake, etc.) ....A  
Locke Steel Belt Co. (Tempered Steel; Detachable Sprocket Wheel) ....B  
Smith & Egge Mfg. Co. (Brass; Cable; Jack; Plumbers'; Sash; Dog; Key; Flat Link) ....A  
**CONN.**—Deep River  
Williams & Marvin Co. (Plumbers') ....D  
**CONN.**—Derby  
Birmingham Brass Co. (Brass; Jack; Plumbers') A  
**CONN.**—Greystone  
Greystone Mfg. Co. (Coll; Cow; Tie; Halter) ....E  
**CONN.**—Hartford  
Whitney Mfg. Co. (Automobile; Bicycle) ....B  
**CONN.**—Meriden  
Chapman Mfg. Co. (Dog) ..A  
**CONN.**—Middletown  
Douglas, W. & R. (Pump; Galvanized Pump) ....A  
Wilcox, Crittenden Co. (Coll) ....A  
**CONN.**—New Britain  
Judd, Oliver S. (Halter; Hitching) ....B  
North & Judd Mfg. Co. (Curb; Rein) ....AA  
Union Mfg. Co. (Pump; Well) ....AA  
**CONN.**—New Haven  
Hendryx & Co., Andrew B. (Brass; Iron; Jack; Bronze; Steel; Safety; Harness) ....A  
**CONN.**—Norwich  
Crescent Fire Arms Co. (Bicycle) ....C  
Hopkins & Allen Arms Co. (Bicycle; Automobile) ..AA  
McKee Chain & Stamping Co. (Bicycle) ....X  
Thames Chain & Stamping Co. (Bicycle) ....D  
**CONN.**—Torrington  
Turner & Seymour Mfg. Co. (Brass; Jack; Plumbers'; Curtain; Drapery) ....A  
**CONN.**—Wallingford  
Wallace Sons Mfg. Co., R. (Key) ....AAA  
**CONN.**—Waterbury  
American Ring Co. (Jack; Key) ....A  
Holmes, Booth & Haydens Co. (Brass; Jack; Brass Picture; Iron; Sash) ....AAA

**CHAINS (Con.)**

Plume & Atwood Mfg. Co. (Brass; Jack; Plumbers'; Drapery; Safety) ...AAA  
Scovill Mfg. Co. (Jack; Safety, etc) ....AAAA  
Steele & Johnson Mfg. Co. (Brass; Jack; Plumbers') A  
**DEL.**—Wilmington  
Remington Machine Co. (Halter; Hitching) ....A  
**ILL.**—Chicago  
American Steel & Wire Co. (Railway) ....AAAA  
Borden & Selleck Co., 43 Lake (Crane; Cable, etc.) B  
Carpenter & Co., Geo. B. (Iron) ....AA  
Ewart Mfg. Co. (Detachable Drive) ....A  
Excelsior Supply Co. (Bicycle; Automobile) ....A  
Link Belt Machinery Co., 39th & Stewart Av. (Power Transmission; Transfer; Flat Riveted; Steel) ....A  
Smith Iron & Wire Wks., F. P. (Iron) ....AA  
Taylor & Son, S. G., 98 Indiana (Block; Break; Coal; Cow Tie; Crane; Differential Pulley Block; Dredge; Log; Railroad; Trace; Wrecking) ....B  
**ILL.**—St. Charles  
Crown Electric & Mfg. Co. (Bicycle; Automobile) ..D  
Moline Malleable Iron Co. (Transfer) ....B  
**IND.**—Greenfield  
U. S. Chain Co. (Coll) ..D  
**IND.**—Indianapolis  
Ewart Mfg. Co. (Br. Chicago, Ill.), 515 Holmes Av. (House; Bull; Power Transmission; Sprocket Wheel; Steel Bushed) ..A  
Indiana Chain Wks. (Agricultural; Brake; Coll; Cow Tie; Halter; Log; Rafting; Railroad; Wagon; Well; Bicycle) ..C  
**IND.**—New Albany  
Todd-Obenchain Co. (Agricultural; Coll; Harness; Log; Wagon) ....D  
**IND.**—Richmond  
Starr & Sons, W. C. (Agricultural; Coll; Crane; Harness; Log; Railroad; Wagon) ....C  
**MASS.**—Boston  
Boston Gear Wks. (Bicycle; Automobile) ....B  
Brown & Wales (Bicycles) A  
Estabrook's Sons, R. (Railway) ....D  
Harvey, H. H. (Mining; Quarry) ....B  
**MASS.**—Chicopee  
Ames Sword Co. (Key; Jack; Safety; Baggage) ....B  
**MASS.**—Northboro  
Farwell & Co., Walter M. (Horn) ....X  
**MASS.**—Southbridge  
American Optical Co. (Eye Glass) ....AAA  
**MASS.**—Springfield  
Duckworth Chain Mfg. Co. (Bicycle; Automobile) ...D  
**MASS.**—Worcester  
Baldwin Automobile Detachable Chain Co. (Automobile; Bicycle) ....B  
Hale Bros., 65 Beacon (Brass; Jack) ....X  
Parker Wire Goods Co. (Jack; Safety; Bird Cage) E  
Wire Goods Co. (Jack; Plumbers'; Sash; Safety; Dog; Halter; Flower Basket) ....B  
Wright Wire Co. (Jack; Safety, etc.) ....AA  
**MICH.**—Detroit  
Buhl Malleable Co. (Agricultural; Cable; Marine; Drag; Dredge; Log,

**CHAINS (Con.)**

Sprocket Wheel; Transfer; Detachable) .....A  
**MICH.—Manistee**  
 Manistee Iron Wks. Co. (Conveyor) .....B  
**MICH.—Port Huron**  
 Port Huron Engine & Thresher Co. (Sprocket Wheel) .....AAAA  
**MO.—St. Louis**  
 Leschen & Sons Rope Co., A. (Coll; Crane; Cable, etc.) .....AAA  
 Zeinicker Supply Co., W. A. (Conveyor) .....C  
**M. J.—Fieldsboro**  
 Robinson & Fosbrook (Agricultural; Block; Crane; Dredge; Log; Rafting; Safety) .....E  
**M. J.—Kearney**  
 Marshall & Co. (Carpet).AA  
**M. J.—Newark**  
 Baldwin & Co. (Halter; Hitching) .....D  
 Celluloid Co. (Celluloid)...B  
 Peters Harness & Saddlery Co. (Trace) .....C  
**M. J.—Trenton**  
 Enterprise Chain Wks. (Agricultural; Block; Brake; Brass; Cable; Marine; Cow Tie; Crane; Dredge; Halter; Log; Railroad; Well) .....X  
 Trenton Iron Co. (Br. N. Y. City) (Agricultural; Cable; Crane; Harness; Halter; Wagon) .....AA  
**M. Y.—Brooklyn**  
 Pollard, Jos. G., 141 Raymond (Stone fitted with Steel Hook) .....F  
**M. Y.—Buffalo**  
 McKinnon Dash Co. (Bicycle; Automobile) ....AA  
 Western Wire Goods Co. (Jack; Safety, etc.) ....D  
**M. Y.—Cadwallader**  
 Herbertson's Sons, J. (Hitching) .....X  
**M. Y.—Farmer**  
 Covert's Saddlery Wks. (Breast; Halter; Hitching; Harness) .....AAA  
**M. Y.—Homer**  
 Phoenix Hardware Mfg. Co. (Brass; Jack; Sash) ....D  
**New York City**  
 Creamer Co., W. G., 96 John (Railway) .....B  
 Glauber, M., 317 E. 58th (Plumbers') .....B  
 Gould-Mersereau Co., 43 E. 19th (Curtain) .....C  
 Hungerford Brass & Copper Co., U. T., 479 Pearl (Jack; Plumbers') .....A  
 Hunt Co., C. W., 45 B'way (Laminated Holsting; Crane; Cable, etc.) .....A  
 Ingersoll & Bro., R. H., 51 Maiden Lane (Key) ...A  
 Judd & Co., H. L., 87 Chambers (Brass Picture; Drapery; Curtain; Hanging Basket) .....AA  
 Keuffel & Esser Co., 127 Fulton (Measuring) ...A  
 Kroeder, John, & Henry Reubel Co., 254 4th Av. (Drapery) .....B  
 McNab & Harlin Mfg. Co., 56 John (Jack; Safety, etc.) .....AA  
 Manhattan Brass Co., 332 E. 28th (Brass) .....AA  
 Morton, Thos., 169 Elm (Sash; Steel; Flat Link; Transom) .....B  
 Newhall Chain Forge & Chain Co., 15 Murray (Crane; Dredge; Holst; Steam Shovel; Trace; Wrecking) .....D  
 New Jersey Foundry & Mach. Co., 9 Murray (Brake; Railroad; Coll; Crane; Cable, etc.; Flat Link; Ice; Elevator; Log; Rafting, etc.; Ship; Stud) .....D  
 Russell & Erwin Mfg. Co.

**CHAINS (Con.)**

43 Chambers (Jack; Safety, etc.; Sash; Transom) .....AAAA  
 Sargent & Co., 151 Leonard (Jack; Safety, etc.; Dog; Halter; Harness; Transom) .....AAAA  
 Trenton Iron Co., 17 Burling Slip (Agricultural; Cable; Crane; Harness; Halter; Wagon) .....AA  
**M. Y.—Niagara Falls**  
 Metal Stamping Co. (Harness; Key; Tubular Steel; Breast) .....B  
 Oneida Community (Ltd.) (Aluminum; Awning; Coll; Cow Tie; Halter; Log; Plumbers'; Railroad; Sash; Windmill; Pump; Cart; Dog; Jack; Safety; Harness; Heel; Hydrant; Agricultural; Flat Link; Key; Picket; Picture; Post; Stake; Trace; Wagon; Well; Fancy; Weldless) .....AAA  
**M. Y.—Rochester**  
 Pullman Sash Balance Co. (Sash) .....B  
**M. Y.—Rome**  
 Rome Brass & Copper Co. (Brass; Plumbers') .AAAA  
**M. Y.—Troy**  
 Carr & Co., Jno. B. (Agricultural; Brake; Cable; Marine; Crane; Dredge; Log; Railroad; Trace; Iron; Wrecking; Jack; Mining; Steel; Wagon) C  
 Gurley, W. & L. E. (Surveyors') .....AA  
 Taylor Electric Co. (Brake) .....B  
**M. Y.—Trumansburg**  
 Morse Chain Co. (Power Transmission; Transfer; Bicycle; Rocker Joint)...B  
**M. Y.—Watervliet**  
 Covert Mfg. Co. (Halter; Log; Harness; Breast; Cart Back; Heel; Rein; Trace; Post; Hitching))A  
**OHIO—Canon**  
 Aultman Co. (Drag; Sprocket Wheel; Steel Bushed) .....A  
 Elbel & Co. (Halter) ....B  
**OHIO—Cincinnati**  
 Schreiber & Co., O. P., 208 Elm (Galvanized Pump) C  
**OHIO—Cleveland**  
 Bartlett & Snow Co., C. O. (Crane; Cable, etc.) ...B  
 Cleveland Galvanizing Wks. (Pump; Well) .....B  
 Cleveland Hardware Co. (Wagon) .....A  
 Federal Mfg. Co., Amer. Tract Bldg. (Agricultural; Automobile; Awning; Bicycle; Block; Brass; Cable; Marine; Holst; Laminated Holst; Machinery; Plumbers'; Power Transmission; Sash; Sprocket Wheel; Steel Bushed) .....AAAA  
 H. P. Nail Co. (Coll; Iron; Trace; Wagon) .....X  
 Round & Son, David (Brake; Coll; Crane; Differential Pulley Block; Dredge; Log; Railroad; Sprocket Wheel; Trace; Wrecking) .....C  
 Woodhouse, Samuel, 2 Stafford (Block; Brake; Coll; Crane; Dredge; Railroad; Trace; Wrecking) .....H  
**OHIO—Columbus**  
 Columbus Chain Co. (Agricultural; Block; Brake; Cable; Marine; Coll; Crane; Differential Pulley Block; Dredge; Harness; Log; Railroad; Safety; Sprocket Wheel; Trace; Wrecking; Wagon) AA  
 Hayden-Corbett Chain Co. (Agricultural; Brake; Cable; Marine; Crane;

**CHAINS (Con.)**

Dredge; Log; Rafting;  
Sprocket Wheel; Wagon; B

Hayden Saddlery Hardware  
Co. (Harness) .....AAAA  
Jeffrey Mfg. Co. (Drag;  
Dredge; Sprocket Wheel;  
Transfer; Coll; Iron; Log;  
Mining; Roller; Special;  
Detachable; Bushed).....  
AAAA

**OHIO—Cuyahoga Falls**

Turner, Vaughn & Taylor  
(Machinery) .....B

**PA.—Allegheny**

Baker Chain & Wagon Iron  
Mfg. Co. (Cable; Crane;  
Wagon) .....X

Chillcott-Evans Chain Co.,  
652 Preble Av. (Cable;  
Marine; Crane; Dredge).D

**PA.—Hope Church**

Monongahela Iron & Steel  
Co. (Ball-bearing; Cable;  
Marine; Railroad) .....B

**PA.—Howard**

Jenkins Iron & Steel Co.  
(Brake; Cable; Marine;  
Coll; Hitching; Mine;  
Log; Railroad; Sprocket  
Wheel) .....C

**PA.—Lebanon**

Lebanon Chain Wks. (Block;  
Cable; Marine; Crane;  
Dredge; Steam Shovel)...X

West End Rolling Mill &  
Chain Wks. (Block;  
Brake; Coll; Crane; Dif-  
ferential Pulley Block;  
Dredge; Log; Railroad;  
Sprocket Wheel; Trace;  
Wrecking; Iron; Mining;  
B

PA.—McKee's Rocks

Kidd Bros. & Burgher Steel  
Wire Co. (Bicycle) ....B

**PA.—Milesburg**

McCoy & Linn (Agricultur-  
al; Coll; Cow Tie; Halter,  
Log; Wagon; Well) ..AA

**PA.—New Castle**

New Castle Forge & Belt Co.  
(Agricultural; Brake;  
Coll; Cow Tie; Crane;  
Dredge; Hitching; Mine;  
Rafting; Railroad; Steam  
Shovel; Cable) .....A

**PA.—Philadelphia**

Bradlee & Co., 1621 Beach  
Av. (Iron; Steel; Cable;  
Marine; Coll; Crane;  
Dredge; Marine; R'way;  
Mining; Log; Rafting;  
Sling; Stud) .....B

Hoopes & Townsend Co.,  
1830 Butterwood (Crane;  
Dredge; Elevator; Car-  
rier; Log; Iron) ....AAA

Link Belt Engineering Co.,  
Nictown (Power Trans-  
mission; Transfer; Crane;  
Cable, etc.; Driving;  
Bushed Log; Detachable)  
A

Phila. Roll & Mach. Co.  
(Dredging) .....A

Phosphor Bronze Smelting  
Co. (Ltd.) (Jack; Sash)A

Queen Co. (Surveyors')...AA

Simons Bros. & Co.  
(Plated) .....A

**PA.—Pittsburg**

Baker Mfg. Co., Jas. H.,  
Park Bldg. (Brake; Coll;  
Log; Rafting; Safety)...A

Eclipse Mfg. Co. (Hitch-  
ing; Mine) .....D

Garland Chain Co., Frick  
Bldg. (Plumbers'; Pump)  
B

Jones & Laughlins Steel Co.  
(Agricultural; Cable; Ma-  
rine; Coll; Crane; Log;  
Railroad; Sprocket  
Wheel) .....AAAA

Lanz & Sons, M. (Hog)...R

McKay & Co., Jas. 20th  
& Liberty Av. (Brass;  
Coll; Crane; Railroad,  
Brake; Conveyor; Stud,  
Log; Rafting; Wagon;  
Fancy) .....AAA

Pittsburg Chain Co., 32nd

**CHAINS (Con.)**

& Liberty Av. (Crane)...D  
Robson & Son, John (Crane)  
X

Standard Chain Co., Frick  
Bldg. (Agricultural;  
Brake; Cable; Marine;  
Coll; Cow Tie; Crane;  
Differential Pulley Block;  
Dredge; Halter; Log;  
Railroad; Sprocket Wheel;  
Sling; Steam Shovel;  
Trace; Wrecking; Wagon;  
Well; Windmill; Convey-  
or; Machinery; Binding;  
Harness; Hobbie; Cart;  
Heel; Ship; Galvanized;  
Rafting; Stud; Switch;  
Well; Wagon; Fancy)...  
AAAA

Union Chain Wks., People's  
Saving Bank Bldg.  
(Brake; Coll; Cow Tie;  
Crane; Galvanized Pump;  
Log; Railroad; Wagon).X

**PA.—Pittston**

Exeter Machine Wks.  
(Drag) .....AA

**PA.—Rankin Station**

Garland Nut & Rivet Co.  
(Br. Stand. Chain Co.,  
Pittsburg, Pa. (Pump))..  
AAAA

**PA.—Reading**

Chantrell Tool Co. (Bicycle;  
Automobile) .....B

Duryea Power Co. (Drive).D

Reading Hardware Co.  
(Transom) .....AAA

Reading Screw Co. (Bicycle)  
D

**PA.—So. Bethlehem**

Bethlehem Foundry &  
Mach. Co. (Bushed).....C

**PA.—York**

Nes Chain Mfg. Co. (Br.  
Standard Chain Co., Pitts-  
burg, Pa.) (Agricultural;  
Cable; Coll; Crane; Iron;  
Log; Mining; Safety;  
Steel; Harness; Breast;  
Halter; Heel; Hitching;  
Rein; Trace; Wagon;  
Railway) .....AAAA

Schmidt & Co., John C. (Br.  
Standard Chain Co., Pitts-  
burg, Pa.) (Agricultural;  
Cable; Coll; Iron; Log;  
Steel; Harness; Breast;  
Cart; Back; Halter; Heel;  
Hitching; Rein; Trace;  
Wagon) .....AAAA

R. I.—Pawtucket

Fuller & Son, Geo. H.  
(Bracelet) .....A

Haskell Mfg. Co., Wm. H.  
(Flat Link; Ice; Elevator)  
AA

**R. I.—Providence**

Eastern Bolt & Nut Co.  
(Flat Link; Ice Elevator)  
A

Rhode Island Tool Co. (Iron;  
Steel; Punched; Ice Ele-  
vator) .....AAA

**WIS.—Milwaukee**

Chain Belt Co. (Agricul-  
tural; Sprocket Wheel)...B

Filer & Stowell Co. (Crane;  
Cable, etc.) .....AAA

**WIS.—So. Milwaukee**

Stowell Mfg. & Foundry Co.  
(Dog; Detachable) .....A

**CHAIRS**

See Furniture

**CAL.—San Francisco**

Hoey & Co., John 716 Mad-  
ison (Camp) .....A

**CONN.—Meriden**

Parker Co., Chas. (Piano)...  
AAA

**CONN.—New Haven**

Dann Bros. & Co. (Invalid  
Rolling) .....B

**ILL.—Chicago**

Adams & Westlake Co., On-  
tario & N. Franklin (Rail-  
way Car) .....AAAA

Barbee Wire & Iron Wks.  
(Iron; Lawn; Rocking)...B

Chicago Chair & Wheel Co.

**CHAIRS (Con.)**

(Adjustable; Invalid; Invalid Rolling; Reclining; Rocking; Surgical) ....A  
 Clark & Co., A. C. (Dentists'; Surgical) .....A  
 Ford, Johnson & Co., J. S. (Invalid Rolling) ....AAA  
 Haggard & Marcusson Co. (Swing; Hammock) ....B  
 Illinois Malleable Iron Co., 30 W. Monroe (Lawn) .AA  
 Johnson Chair Co., 233 N. Green (Railway Car) .AA  
 Kochs Co., Theo. A. (Barbers') .....AA  
 Melchior Bros.' Furniture Co., 12 Dayton (Barbers') .....C  
 Pettibone, Mulligen & Co., 204 Dearborn (Rail) ....AAAA  
 Smith Wire & Iron Wks., F. P., 100 Lake (Iron) .AA  
**ILL.—East St. Louis**  
 Elliott Frog & Switch Co. (Wrought Iron Head) .AA  
**ILL.—Peoria**  
 Schneider, John (Barbers') .....D  
**ILL.—South Chicago**  
 Modern Frog & Crossing Wks. (Head) .....A  
**IND.—Elkhart**  
 Elkhart Frog & Crossing Wks. (Rail) .....C  
**IND.—Indianapolis**  
 Allison Co., W. D. (Gynaecological; Invalid Rolling; Surgical) .....B  
 Clark & Roberts (Surgical) .....B  
 Enterprise Foundry & Fence Co. (Lawn) .....B  
 Perfection Chair Co. (Surgical) .....D  
 Tucker & Dorsey Mfg. Co. (Step Ladder) .....A  
**IND.—La Porte**  
 Michael Mfg. Co. (Head) .C  
**IOWA—Cedar Rapids**  
 Adams Mfg. Co., A. L. (Camp; Hammock; Lawn) .....E  
**MD.—Baltimore**  
 Rosenberg Co., A. (Dentists') .....H  
**MASS.—Boston**  
 Burnham & Duggin R'way Appliance Co., 89 State (Rail for Paved Tracks) X  
**MICH.—Grand Rapids**  
 Haney School Furn. Co. (Opera) .....B  
**MICH.—Homer**  
 Seeder Mfg. Co. (Hammock) .....F  
**MICH.—Kalamazoo**  
 Kalamazoo Sled Co. (Folding) .....A  
**MICH.—Muskegon**  
 Sargent Mfg. Co. (Invalid's) .....B  
**MO.—St. Charles**  
 St. Charles Car Co. (Railway Car) .....AAAA  
**MO.—St. Louis**  
 International Steel Post Co. (Lawn) .....A  
 Koken Barbers' Supply Co. (Barbers') .....A  
 Ludlow-Saylor Wire Co. (Lawn) .....A  
 Pauk & Sons Mfg. Co., H. (Barbers') .....A  
**N. H.—Nashua**  
 Fletcher & Webster Furniture Co. (Camp) .....C  
 Maine Mfg. Co. (Head) .A  
 Nashua Novelty Wks. (Folding; Opera) .....B  
**N. J.—Trenton**  
 Kline Chair Co. ....F  
**N. J.—West Hoboken**  
 Schindler, C. A. (Posing) F  
**N. Y.—Arkville**  
 Harrison Mfg. Co. (Camp) C  
**N. Y.—Brooklyn**  
 Wiessner, Oscar E. A. (Iron) X  
**N. Y.—Buffalo**  
 Buffalo Wire Wks. Co. (Lawn; Iron) .....A  
 Hard Mfg. Co. (Folding) .B

**CHAIRS (Con.)**

**New York City**  
 Boyle & Co., John, 112 Duane (Camp) .....AA  
 Connell Co., J. B. & J. M., 26th & 11th Av. (Cast Iron Rail) .....AA  
 Creamer & Co., W. G., 98 John (Railway Car) ....A  
 Estey Wire Wks. Co., 19 Fulton (Lawn) .....D  
 Fiske Iron Works, 39 Park Pl. (Lawn; Opera) ....B  
 Gilbert & Bennett Mfg. Co., 277 B'way (Lawn) .AAA  
 Howard & Morse, 45 Fulton (Lawn) .....D  
 Judd & Co., H. L., 87 Chambers (Brass) .....AA  
 Lalance & Grosjean Mfg. Co., 19 Cliff (Lawn) .....AAAA  
 Lamb, J. & R., 59 Carmine (Church) .....D  
 Marks, A. A., 701 Broadway (Invalid; Invalid Rolling) .....AA  
 Relley Bros., 322 W. 41st (Boatswains') .....D  
 Sargent Co., Geo. F., 289 4th Av. (Library; Reclining; Sedan; Invalid Rolling) .....X  
 Tonk & Bro., Wm., 452 10th Av. (Piano) .....C  
 Westervelt, A. B. & W. T., 102 Chambers (Lawn) ...B  
**N. Y.—Rochester**  
 Archer Mfg. Co. (Barbers'; Dentists'; Gynaecological; Surgical) .....A  
 Ritter Dental Mfg. Co. (Dental) .....C  
**OHIO—Canton**  
 Canton Surgical & Dental Chair Co. (Dentists'; Gynaecological; Surgical) .C  
 Harvard Co. (Dentists'; Dining; Surgical) ....AA  
**OHIO—Cincinnati**  
 Berninghaus Co., Eugene (Barbers'; Dentists'; Surgical) .....A  
 Bromwell Brush & Wire Goods Co. (Lawn) ....AA  
 Mitchell Furniture Co., Robert (Invalid) .AAAA  
 Stewart Iron Wks. (Lawn) A  
 Weir Frog Co., cor. Front & Smith (Rail) .....A  
**OHIO—Cleveland**  
 Chisholm & Moore Mfg. Co. (Rail) .....AA  
 Van Dorn Iron Wks. Co. (Window Cleaner; Lawn) AA  
**OHIO—Columbus**  
 Columbus Aseptic Furniture Co. (Hospital; Metal) .X  
 Holtzman & Sons, Henry (Piano) .....A  
**OHIO—Dayton**  
 City Forge & Iron Wks. (awn) .....B  
 Ohlo Rake Co. (Lawn) .AA  
 Stomps-Burkhardt Co. (Cobbler's Seat) .....AA  
**OHIO—Elyria**  
 Worthington Mfg. Co. (Invalids') .....B  
**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred. J. (Lawn) .....B  
**OHIO—Kenton**  
 Champion Iron Co. (Iron; Lawn) .....AA  
**OHIO—Toledo**  
 Donovan Wire & Iron Co. (Lawn) .....C  
 Ransom & Randolph Co. (Barbers') .....A  
 Williams & Co. (Cobblers' Seat) .....C  
**PA.—Elizabethtown**  
 Buch's Sons Co., A. (Folding) .....A  
**PA.—Philadelphia**  
 Buchanan, W. P., 1226 Arch (Photographers') .....C  
 Darby & Sons, Edw. (Lawn) .....A  
 Hale & Kilburn Mfg. Co. (Parlor Car) .....AAAA

**CHAIRS (Con.)**

Wharton & Co., Wm., Jr.,  
25th & Washington Av.  
(Rail) .....AAA  
White Dental Mfg. Co., S. S.  
(Dentists') .....AAAA  
**PA.**—South Bethlehem  
Bethlehem Foundry & Mach.  
Co. (Lawn) .....C  
**PA.**—Steelton  
Penna. Steel Co. (Rail)....  
AAAA  
**PA.**—Wilkesbarre  
Vulcan Iron Wks. (Head)..  
AAAA  
**TENN.**—Chattanooga  
Ornamental Iron & Wire  
Co. (Iron) .....X  
**VT.**—Brattleboro  
Smith & Co., S. A. (Swing)  
AAA  
**VA.**—Norfolk  
Whitehurst Co., R. W.  
(Lawn) .....B  
**WIS.**—Milwaukee  
Kipp Co., B. A. (Barbers')  
B  
**WIS.**—Racine  
Gold Medal Camp Furniture  
& Novelty Co. (Camp;  
Folding; Hammock,  
Lawn; Reclining) .....D

**CHALK**

**ILL.**—Chicago  
Splinks & Co., Wm. A., 93  
Erie (Billiard) .....O  
**KY.**—Louisville  
Currie & Co., Chas. E. ....A  
**MD.**—Baltimore  
Thomas Mfg. Co. ....F  
**MASS.**—Boston  
Harvey, H. H. ....D  
**MICH.**—Detroit  
Acme White Lead & Color  
Wks. (Lump) .....AAA  
**N. Y.**—Buffalo  
Schoellkopf, Hartford &  
Hanna Co. ....AAA  
New York City  
Edison Chemical Co., Thos.,  
Jr., 14 Stone (Antiseptic)  
X  
Taintor Mfg. Co., H. F., 200  
Water (Lump) .....B  
**OHIO**—Cincinnati  
Jackson & Co., E. S.  
(French) .....F  
**OHIO**—Sandusky  
American Crayon Co. (Bill-  
iard; Bowling; Carpen-  
ters') .....AA  
Sandusky Crayon Co. (Bill-  
iard; Carpenters'; Coop-  
ers'; Finger; Foot) .....D

**CHAMBERS**

**CONN.**—Meriden  
Manning, Bowman & Co.  
(Enamelled; Covers) ..AA  
**ILL.**—Batavia  
U. S. Wind Engine & Pump  
Co. (Pump) .....AA  
**ILL.**—Monmouth  
Weir Pottery Co. (Porce-  
lain) .....A  
**MASS.**—Springfield  
Emory Mfg. Co., P. P.  
(Pump) .....C  
Hercules Float Wks. (Air;  
Copper) .....D  
**MO.**—St. Louis  
St. Louis Stamping Co.  
(Enamelled; Covers) ..AAAA  
New York City  
Cordley & Hayes, 172 Du-  
ane (Fibre; Hospital) ...A  
Goodyear Rubber Co., 787  
Broadway (Rubber; Cov-  
ers) .....AAAA  
Goodyear's India Rubber  
Glove Mfg. Co., 503 B'way  
(Rubber; Covers) ..AAAA  
**PA.**—Philadelphia  
Kensington Engine Wks.,  
Beach & Berk (Disinfect-  
ing) .....A  
**R. I.**—Providence  
Dayol Rubber Co. (Rubber;  
Covers) .....AA

**CHAMBRAYS**

See Cotton Goods

**CHAMOIS**

**MASS.**—Boston  
White Son Co., 540 Atlantic  
Av. ....A  
New York City  
National Sponge & Chamois  
Co., 158 William .....A  
Neumann & Co., R., 78 Du-  
ane (Imitation) .....A  
Young Co., Richard, 38  
Spruce (Imitation) ..AA  
**OHIO**—Cincinnati  
Fuchs-Budde Co. ....D  
Trautman & Co., C. (Imita-  
tion) .....A  
**PA.**—Philadelphia  
Drueding Bros. Co., 433  
Master .....AA

**CHAMOMILE**

New York City  
Hopkins & Co., J. L., 100  
William .....A

**CHAMPAGNE**

See Liquors

**CHANDELIERS**

See Fixtures

**CHANNELERS**

**N. J.**—Newark  
Osborne Co., C. S.  
(Saddlers') .....B  
New York City  
Ingersoll-Sargeant Drill Co.,  
28 Cortlandt (Stone)....  
AAAA

**CHANNELS**

See Angles, also Iron &amp; Steel; Brass; Copper.

**CHAPERAJOS**

**MINN.**—Minneapolis  
Dodson - Fisher - Brockman  
Co. ....AA  
New York City  
Abercrombie & Fitch, 314  
B'way .....B

**CHAPLETS**

**OHIO**—Cincinnati  
Hill & Griffith Co. (Foun-  
dry) .....D  
Obermayer Co., S. ....AA  
**PA.**—Philadelphia  
Paxson Co., J. W., 102 N.  
Delaware (Foundry) ..AA

**CHARCOAL**

**ILL.**—Chicago  
Berger Bros., 1217 State ..E  
**IOWA**—Davenport  
Halligan Co., W. P. ....X  
**MASS.**—Springfield  
Brown & Co., L. S., 33  
Lyman .....C  
Springfield Facing Co.  
(Brass Founders' Facing;  
Ground) .....C  
**MICH.**—Cadillac  
Commer, Diggins & Co. ....AAAA  
**MICH.**—Onota  
Onota Charcoal Mfg. Co. ...B  
**MICH.**—Thompsonville  
Immerman & Co., A. ....B  
**MICH.**—Traverse City  
Desmond Chemical Co. ...B  
**MO.**—Noel  
Mountain Coal Co. ....C  
**MO.**—St. Louis  
Harry Steel Wks., O. K.  
(Furnace) .....B  
**N. Y.**—Binghamton  
Ballard, J. W. ....C  
**N. Y.**—Brooklyn  
Wiarda & Co., John C.  
(Powdered) .....AA  
New York City  
Rinney & Smith Co. 81 Ful-

**CHARCOAL (Con.)**  
 ton (Animal; Powdered) **AA**  
 Kelly & Co., Thos. P., 544  
 W. 22nd .....**B**  
**N. Y.—Peekskill**  
 Mackellar's Sons Co., R.  
 (Powdered) .....**D**  
**N. Y.—Syracuse**  
 Will & Baumer Co. ....**AA**  
**OHIO—Cincinnati**  
 Obermayer Co., S. (Drug-  
 gists; Glasshouse;  
 Ground; Filtering) ....**AA**  
**OHIO—Cleveland**  
 Smith Foundry Supply Co.,  
 J. D., 40 S. Water .....**D**  
**PA.—Bradford**  
 American Charcoal Co. ....**B**  
 Bradford Chemical Co. ...**C**  
 Lewis Run Mfg. Co. ....**C**  
 Smith Chemical Co., A. B. **B**  
**PA.—Kane**  
 La Mont Chemical Co. ....**C**  
**PA.—Mt. Alton**  
 Bartley & Co., John .....**B**  
**PA.—Pittsburg**  
 Hillman & Son, J. H.,  
 Frick Bldg. ....**A**  
 Hooker & Co., H. M.  
 Farmers' Bank Bldg. ...**C**  
 McCormack Co., J. S., 25th  
 & A. V. R'way .....**B**  
**PA.—Rockwood**  
 Wolf, Penrose, Mariners' &  
 Merchants' Bldg. ....**C**  
**S. C.—Summerville**  
 Taylor, J. W. ....**F**

## CHARGERS

**IOWA—Ottumwa**  
 Hardsocg Mfg. Co. (Coal  
 Miners) .....**B**  
**OHIO—Cleveland**  
 Standard Sand Machine Co.,  
 32 S. Water (Conveyors;  
 Cupola) .....**C**

## CHARMS

See Jewelry

## CHARTS

**ILL.—Chicago**  
 Andrews & Co., A. H. ...**AA**  
 Evans & Co., R. O., 210  
 Madison (Arithmetical;  
 Historical) .....**A**  
**KANS.—Lawrence**  
 Williams, W. R. (Dress-  
 makers') .....**D**  
**MASS.—Boston**  
 Rand-Avery Supply Co.  
 (Railway) .....**AA**  
**MASS.—Springfield**  
 Bradley Co., Milton (Dis-  
 sected) .....**A**  
**MINN.—Minneapolis**  
 Diamond Publishing Co., 104  
 N. 2d (School) .....**D**  
**MO.—St. Louis**  
 Feld Music Co., John (Har-  
 mony) .....**X**  
 Parson & Co., 1010 Pine  
 (Masonic) .....**E**  
**New York City**  
 Bliss & Co., John, 128 Front  
 .....**D**  
 Spencer Optical Co. (Opti-  
 cal) .....**C**  
**PA.—Philadelphia**  
 Noll & Co., E. P. ....**D**

## CHASERS

**MASS.—Mansfield**  
 Card Mfg. Co., S. W.  
 (Screw) .....**B**  
**N. Y.—Brooklyn**  
 Nebel, M. A., 72 Grand Av.  
 (Putty) .....**D**  
 Ross & Son Co., 16 Steuben  
 (Drug) .....**D**  
**New York City**  
 Bookhop, F. H., 115 War-  
 ren (Fly) .....**E**  
**N. Y.—Trenton**  
 Crossley Mfg. Co. (Fret). **B**  
**OHIO—Cincinnati**  
 Day Co., J. H. (Putty) ...**A**  
**PA.—Millersburg**

**CHASERS (Con.)**  
 Polk & Son, A. J. (Screw) **C**  
**C**

## CHASES

**CONN.—New London**  
 Babcock Printing Press Mfg.  
 Co. (Printing Press) ....**C**  
**ILL.—Chicago**  
 Latham Machinery Co.  
 (Printing Press) .....**C**  
**MASS.—Boston**  
 Golding & Co. (Printing  
 Press) .....**C**  
**N. Y.—Brooklyn**  
 Wesel Mfg. Co., F. (Print-  
 ing Press) .....**AA**  
**New York City**  
 Cottrell & Sons' Co., C. B.,  
 41 Park Row (Printing  
 Press) .....**AAA**  
 Hoe & Co., R., 504 Grand  
 (Printing Press) .....**AAAA**  
**OHIO—Cleveland**  
 Chandler & Price Co. (Print-  
 ing Press) .....**B**

## CHECKERS

See Games

## CHECKS

See also Cotton Goods

**CAL.—San Francisco**  
 Moise-Klinkner Co. (Pool)  
 .....**D**  
**CONN.—Bridgeport**  
 Bridgeport Brass Co. (Bag-  
 gage; Key, &c.) .....**AA**  
 Schwerdtle Stamp Co., 39  
 Fairfield Av. (Baggage;  
 Brass; Key; Time; Pay) **G**  
**CONN.—Meriden**  
 Jopson, Geo. W. (Metal). **X**  
**CONN.—New Haven**  
 Hoggson & Pettis Mfg. Co.  
 (Baggage; Key, &c.) ....**A**  
**CONN.—Wallingford**  
 Wallace Sons' Mfg. Co., R.  
 (Sterling Silver Bag; Ho-  
 tel Key) .....**AAA**  
**CONN.—Waterbury**  
 Holmes, Booth & Haydens  
 Co. (Brass) .....**AAAA**  
 Plume & Atwood Mfg. Co.  
 (Brass) .....**AAA**  
 Scovill Mfg. Co. (Brass;  
 Baggage; Key, &c.) **AAAA**  
 Waterbury Brass Co.  
 (Brass) .....**AAAA**  
**ILL.—Chicago**  
 Swisher Mfg. Co., R. D., 152  
 5th Av. (Aluminum  
 Trade) .....**X**  
 Tenney Co., J. F., 5th Av. &  
 Monroe (Baggage) ....**E**  
 Wilcox Co., W. W., 201  
 Lake (Baggage) .....**B**  
**MASS.—Boston**  
 Robbins Mfg. Co., John, 58  
 Kneeland (Baggage;  
 Metal; Time) .....**F**  
 Woodman Mfg. Supply Co.,  
 R. (Baggage; Key; Time) **F**  
**MASS.—Fitchburg**  
 Dodge Mfg. Co. (Locomo-  
 tive Boiler) .....**B**  
**MICH.—Detroit**  
 Detroit Rubber Stamp Co.,  
 99 Griswold (Baggage) ...**E**  
 Thorpe Mfg. Co., 50 Wood-  
 ward Av. (Baggage) ...**F**  
**MICH.—Grand Rapids**  
 Hardware Supply Co. (Door)  
 .....**F**  
**N. J.—Newark**  
 Celluloid Co. (Br. N. Y.  
 City) (Soda; Celluloid). **B**  
 Peters Harness & Saddlery  
 Co. (Bridle) .....**C**  
 Sacks Iron Foundry, Louis  
 (Repair) .....**A**  
**N. Y.—Buffalo**  
 Gibson Co., A. C., 338  
 Washn. (Baggage) ....**D**  
 Johnson & Co., J. G., 29  
 Seneca (Baggage) ....**AA**



**CHECKS (Con.)**

**New York City**  
 American Railway Supply Co., 24 Park Pl. (Baggage; Hotel Key; Metal; Plantation; Rubber; Time) .....H  
 Bardsley, Jos., 147 Baxter (Door) .....B  
 Brass Goods Mfg. Co., 7 Warren (Baggage; Brass; Hotel Key) .....B  
 Dennison Mfg. Co., 11 Dey (Paper; Cloth Baggage; Garment; Restaurant) .....AAAA  
 Fulton Rubber Type, Ink & Pad Mfg. Co., 31 Frankfort (Metal) .....D  
 Goodyear's India Rubber Mfg. Co., 503 B'way (Rubber) .....AAAA  
 Ness, Geo. M. Jr., 61 Fulton (Baggage; Key; Brass) .....A  
 New York Stencil Wks., 109 Nassau (Baggage; Cash Sale) .....D  
 Russell & Erwin Mfg. Co., 43 Chambers (Door) .....AAAA  
 Sargent & Co., 151 Leonard (Door; Dumb Waiter) .....AAAA  
 Stafford-Nelson Co., 66 Fulton (Baggage; Hotel Key; Metal; Plantation) .....F  
 Yale & Towne Mfg. Co., 9 Murray (Door Liquid) .....AAAA  
**N. Y.—Niagara Falls**  
 Metal Stamping Co. (Coin; Identification; Dog; Time) .....B  
**N. Y.—Rochester**  
 Caldwell Mfg. Co. (Door) .....E  
 Rome Brass & Copper Co. (Brass) .....AAAA  
**N. Y.—Utica**  
 Balch Bros. & West Co. (Metal) .....D  
**OHIO—Cincinnati**  
 Cressler, Wm. T. (Pool) .....C  
 Spencer, Wm. W., 206 Longworth (Baggage) .....E  
**OHIO—Cleveland**  
 Upson Nut Co. (Door) .....AAAA  
**OHIO—Dayton**  
 Howard, Wm. H. (German Silver; Hotel Key) .....E  
**PA.—Philadelphia**  
 Quint & Son, S. H., 15 S. 4th (Brass; Metal) .....B  
**PA.—Pittsburg**  
 Pittsburg Supply Co., 439 Water (Gas Light) .....A  
**PA.—Reading**  
 Reading Hardware Co. (Door Liquid) .....AAAA  
**PA.—West Chester**  
 Denny Tag Co. (Metal) .....C  
**W. VA.—Wheeling**  
 Wheeling Hinge Co. (Brass) .....AA  
**WIS.—Milwaukee**  
 Schwab Stamp & Seal Co. (Metal) .....C

**CHEESE**

See Butter & Cheese in Appendix.

**ILL.—Chicago**  
 Moxley, W. J. (Inc.) .....A  
**ILL.—Elgin**  
 Cornell Bros. ....B  
**IOWA—Monticello**  
 Farmers' Co-operative Creamery Co. ....F  
**MASS.—Boston**  
 Simpson, McIntire & Co. ....AA  
**MICH.—Fruit Ridge**  
 Horton, G. B. ....B  
**MICH.—Northville**  
 Power & Son, A. D. ....E  
**MO.—Cameron**  
 Gem Cheese Factory .....B  
**MO.—St. Louis**  
 Rayle, Geo. A. (Devilled) .....B  
**N. Y.—Antwerp**  
 Baumert & Co., F. X. ....A  
**N. Y.—Denmark**  
 Cook, H. E. ....D

**CHEESE (Con.)**

**N. Y.—Goshen**  
 Howell Condensed Milk & Cream Co. ....B  
**OHIO—Aurora**  
 Harmon & Sons, C. R. ....B  
 Hurd, Frank .....A  
**WIS.—Burlington**  
 McCanna & Fraser Co. ....A  
**WIS.—Kaukauna**  
 Lempke, M. A. ....F  
**WIS.—Kekoskee**  
 Roll, Emil .....H  
**WIS.—Monroe**  
 Karlen & Son, Jacob .....A  
 Regez, Jacob .....B  
**WIS.—Pigeon Falls**  
 Eckern Co., P. ....C  
**WIS.—Waterloo**  
 Roach & Sieber Co. ....A  
 Waterloo Butter & Cheese Co. ....F

**CHEMICALS**

See also Specific Headings

**COLO.—Denver**  
 Western Chemical Mfg. Co. (Battery) .....AA  
**MASS.—Boston**  
 Atteaux & Co., F. E. (Tanners) .....A  
 Balch, Bailey & Co. (Tanners) .....A  
 Beach-Trelber Co. (Tanners) .....B  
 Merrimac Chemical Co., 75 Broad (Battery) .....AAAA  
**MO.—St. Louis**  
 Mallinckrodt Chemical Wks. (Photographers') .....AAAA  
**N. J.—Newark**  
 Dennis Chrome Tannage Co., Martin (Tanners) .....D  
 Hanson & Van Winkle Co. (Electro) .....AA  
**N. Y.—Brooklyn**  
 Wiarda & Co., J. C., 259 Greene (Brickmakers'; Enamelers'; Glassmakers') .....AA  
**New York City**  
 Cooper & Co., Chas., 194 Worth (Battery) .....A  
 Elmer & Amend, 211 Third Av. (Battery; Electroplating) .....AA  
 General Chemical Co., 25 Broad (Battery) .....AAAA  
 Grasselli Chemical Co., 93 Wall (Battery) .....AAAA  
 Harrison Bros. & Co., 117 Fulton (Paper Makers') .....AAAA  
 Kalbfleisch Co., Franklin H., 35 Burling Slip (Battery) .....A  
 Kalbfleisch & Son, E. L., 56 Pine (Battery) .....C  
 Klipstein & Co., A., 122 Pearl .....AA  
 McKesson & Robbins (Pharm) .....AAAA

**Wholesale Druggists and Manufacturing Chemists, Importers and Exporters of Drugs, Chemicals, Essential Oils and Pharmaceutical Preparations, Dealers in Druggists Sundries, etc.**

We are headquarters for crude drugs of all kinds. We carry a complete line of chemicals and pharmaceutical preparations, also chemicals for use in the industrial arts. We also manufacture a full line of fluid extracts, gelatine coated pills, compressed tablets and other pharmaceutical specialties. The large stock we carry enables us to make prompt shipments at lowest possible figures. We also have an analytical department equipped for all kinds of

**CHEMICALS (Con.)**  
*commercial analysts and technical investigations. Our line of druggists' sundries, sponges, etc., is unusually large and we are also prepared to fill orders for proprietary preparations of all kinds.*  
**Merck & Co., 15 University Pl. (Battery) . . . . .AAA**  
**Roessler & Haaslach**  
 Chemical Co. (Enamellers, Incandescent Light; Pot-  
 ters; Mantle) . . . . .AA  
**Zucker & Levett & Loeb Co.,**  
 528 W. 25th (Electro) . . .A  
**PA.—Philadelphia**  
 Powers - Weightman - Ros-  
 engarten Co., 9th & Par-  
 ish (Battery) . . . . .AAAA  
**WIS.—Milwaukee**  
 Flebing Chemical Co. (Tan-  
 ners) . . . . .D

## CHEMISES

See Underwear

## CHENILLES

See Silk Goods

## CHERRIES

**New York City**  
 Reboulin Fils & Co., E.  
 (Maraschino) . . . . .A  
**OHIO—Cincinnati**  
 Rheinstrom Bros. (Maras-  
 chino) . . . . .AA

## CHESSMEN

See Games

## CHESTNUT

See Lumber

## CHESTS

**CONN.—New Haven**  
 Harrison, Lenoard D. (Bolt-  
 ing) . . . . .H  
**CONN.—Willimantic**  
 Vanderman Plumbing &  
 Heating Co. (Steel Tool) . . .C  
**ILL.—Chicago**  
 Besley & Co., Chas. H., 10  
 Canal (Tool) . . . . .AA  
 Cowan & Co., W. K., 213  
 Mich. Av. (Cedar) . . . .A  
**IND.—Richmond**  
 Richmond City Mill Works  
 (Bolting) . . . . .B  
**KANS.—Enterprise**  
 Ehrsam Machine Co., J. B.  
 (Bolting) . . . . .B  
**KANS.—Leavenworth**  
 Great Western Mfg. Co.  
 (Bolting) . . . . .AA  
**MASS.—Boston**  
 Paine Furniture Co., 48 Ca-  
 nal (Tool; Cedar) . . . . .A  
 White & Son, W. B. (Cedar) . . .D  
**MASS.—North Easton**  
 New England Specialty Co.  
 (Boys' Tool) . . . . .F  
**MO.—St. Louis**  
 St. Louis Stamping Co.  
 (Spice) . . . . .AAAA  
**N. Y.—Buffalo**  
 Shepard & Co., Sidney  
 (Spice) . . . . .AAAA  
**New York City**  
 American Tool Chest Co., 20  
 W. Houston (Tool; Ma-  
 chinists' Tool; Boys' Tool) . . .C  
 Central Stamping Co., 24  
 Cliff (Spice) . . . . .AA  
 Frasse Co., 38 Cortlandt  
 (Tool) . . . . .D  
 Herring - Hall - Marvin Co.,  
 400 B'way (Iron) . . . . .B  
 Jennings & Co., C. E., 101  
 Reade (Tool) . . . . .B  
 Millers Falls Co., 28 War-  
 ren (Tool) . . . . .AA  
 Stoutenborough, X., 277  
 Pearl (Spice) . . . . .D

## CHESTS (Con.)

**OHIO—Canton**  
 Diebold Safe & Lock Co.  
 (Iron) . . . . .AAA  
**OHIO—Cincinnati**  
 Duchscher & Co., N. (Cedar) . . .C  
 Hall's Safe Co. (Iron) . . . .A  
 Mitchell Furniture Co., Rob-  
 ert (Cedar) . . . . .AAAA  
**OHIO—Columbus**  
 Case Mfg. Co. (Bolting) . . .A  
 Jeffrey Mfg. Co. (Bolting) . . .AAAA  
**OHIO—Hamilton**  
 Macneale & Urban Co.,  
 (Iron) . . . . .X  
 Mosler Safe Co. (Iron) . . .AAAA  
**PA.—Downingtown**  
 Downingtown Mfg. Co., Ltd.  
 (Stuff) . . . . .A  
**PA.—Philadelphia**  
 Hall Son & Co., Amos H.  
 (Stuff) . . . . .C  
**PA.—Pittsburg**  
 Barnes Safe & Lock Co.  
 (Burglar Proof) . . . . .X  
**PA.—York**  
 York Safe & Lock Co. (Iron) . . .A  
**E. I.—Pawtucket**  
 Bliss Mfg. Co., R. (Boys'  
 Tool) . . . . .AAAA  
**TENN.—Nashville**  
 Ransom & Co., John B.  
 (Cedar) . . . . .A

## CHEVALS

See Furniture

## CHEVIOTS

See Cotton Goods & Woolen  
 Goods.

## CHICORY

**CAL.—Stockton**  
 Bachmann & Brandt . . . . .A  
**ILL.—Chicago**  
 Habel, Aug., 502 Blue Is-  
 land Av. . . . .X  
**MICH.—Ann Arbor**  
 Ann Arbor Chicory Co. . . . .D  
**MICH.—Bad Axe**  
 Bad Axe Chicory Factory . . .X  
**MICH.—Bay City**  
 Belgian Chicory Mills . . . .C  
 Buck, H. E. . . . .D  
 National Chicory Co. . . . .O  
**MICH.—Capac**  
 Vanneste Bros. . . . .F  
**MICH.—New Haven**  
 New Haven Evaporating Co. . .G  
**MICH.—Port Huron**  
 Miller & Co., E. B. (Br.  
 N. Y. City) . . . . .A  
**NEBR.—Schuyler**  
 Nebraska Chicory Co. . . . .D  
**NEBR.—Sioux**  
 Soo Beet Syrup & Chicory  
 Co. . . . .B  
**N. J.—Jersey City**  
 Haesaert & Bursae, 35 Sus-  
 sex . . . . .B  
**N. Y.—Brooklyn**  
 Floto's Sons, Geo. . . . .C  
**N. Y.—Flushing**  
 Francke, Sohne & Co. . . . .A  
**New York City**  
 Blume, F. E., 103 Water . . .C  
 Blume & Co., 103 Water . . .A  
 Gillies & Co., E. J., 245  
 Washington . . . . .AA  
 Muller & Co., E. B., 10  
 9th Av. . . . .A  
 Seggerman Bros., 91 Hudson . . .B  
**PA.—Philadelphia**  
 Johnson & Co., P. C., 25  
 Wash. Av. . . . .AAA  
**WIS.—Cedarbury**  
 Frank Chicory Co. . . . .F

## CHIFFON

See Silk

## CHIFFONIERS

See Furniture

# CHIMES

See also Bells

**CONN.—East Hampton**  
 Beyn Bros. Mfg. Co. (Saddle; Church; Band) .....A  
**Gong Bell Mfg. Co.** (Sleigh Bell) .....AAAA  
**CONN.—Ivoryton**  
 Comstock, Cheney & Co. (Orchestra) .....AA  
**CONN.—New Haven**  
 Shoninger Co., B. (Orchestra) .....AAA  
**CONN.—Waterbury**  
 American Ring Co. (Sleigh Bell) .....A  
**R. I.—Providence**  
 Durfee & Co., W. H. (Organ; Stage) .....C

# CHIMNEYS

**CONN.—Bridgeport**  
 Bridgeport Boiler Works (Iron) .....D  
**CONN.—New Haven**  
 Eagle Flint Glass Co. (Lamp; Glass) .....X  
**GA.—Augusta**  
 Lombard Iron Works & Supply Co. (Steel) .....A  
**ILL.—Chicago**  
 Adams & Westlake Co. (Lamp; Glass) .....AAAA  
 Illinois Malleable Iron Co., 30 W. Monroe (Cast Iron) .....AAAA  
**ILL.—Ottawa**  
 De La Chapelle & Co., E. & J. (Lamp; Glass) .....AA  
**IND.—Alexandria**  
 Lippincott Glass Co. (Lamp; Glass) .....A  
**IND.—Arcadia**  
 Caylor-Ellis Glass Co. (Lamp; Glass) .....X  
**IND.—Ellwood**  
 McCloy Glass Co., W. R. (Lamp; Glass) .....D  
**IND.—Evansville**  
 Sargeant Glass Co. (Lamp; Glass) .....B  
**IND.—Matthews**  
 Kauffeld Glass Co. (Lamp; Glass) .....X  
**IND.—New Albany**  
 Heegevald Co., Chas. (Iron; Steel) .....B  
**MASS.—Boston**  
 Huse & Son, Jos. (Mica) .....C  
 North Carolina Mica Co. (Mica) .....D  
 Union Glass Co. (Lamp; Glass) .....B  
**MICH.—Detroit**  
 Northern Engineering Works (Steel) .....A  
**MICH.—Saginaw**  
 Wickes Bros. (Steel) .....AAA  
**N. Y.—Brooklyn**  
 Williamsburg Flint Glass Co. (Lamp; Glass) .....E  
**N. Y.—Corning**  
 Corning Glass Wks. (Lamp; Glass) .....A  
**New York City**  
 Babcock & Wilcox Co., 85 Liberty (Iron; Steel) .....AAAA  
 Block Light Co., 17 Park Pl. (Incandescent Gas Light) .....A  
 Feusterer & Ruhe, 47 Murray (Incandescent Gas) .....B  
 Gleason Mfg. Co., E. P., 20 W. Houston (Lamp; Glass; Mica) .....B  
 Kirchberger & Co., M., 50 Warren (Incandescent Gas Light) .....C  
 Koven, L. O., 50 Cliff (Steel) .....A  
 Lovell & Co., F. H., 92 William (Glass) .....A  
 Mica Mfg. Co., 307 W. B'way (Lamp; Mica) .....C  
 Noe, Thos. R., 53 Murray (Incandescent Gas Light) .....A  
 Turl's Sons, John, 534 W. 28th (Iron; Steel) .....D

# CHIMNEYS (Con.)

**N. Y.—Owego**  
 Storrs Mica Co. (Lamp; Mica) .....C  
**N. Y.—Port Jervis**  
 Brox & Ryall (Lamp; Glass) .....A  
**Orange Co. Flint Glass Wks.** (Lamp; Glass) .....A  
**N. Y.—Tonawanda**  
 Gillie Engine & Machine Co. (Iron; Steel) .....C  
**OHIO—Akron**  
 Biggs Boiler Works Co. (Iron; Steel) .....C  
**OHIO—Bellaire**  
 National Glass Co. (Lamp; Glass) .....B  
 Rodefer, T. A. (Lamp; Glass) .....A  
**OHIO—Cincinnati**  
 Tudor Boiler Mfg. Co. (Steel) .....B  
**OHIO—Columbiana**  
 Columbiana Boiler Co. (Steel) .....C  
**OHIO—Salem**  
 Clark Co., W. J. (Steel) .....A  
**OHIO—Steubenville**  
 Gill Bros. Co. (Acme Lead Glass Works) (Lamp; Glass) .....AA  
**OHIO—Youngstown**  
 Pollock, Wm. B. (Steel) .....AA  
**PA.—Allegheny**  
 Carlin's Sons, Thos. (Steel) .....A  
**PA.—Charleroi**  
 Macbeth & Co., Geo. (Lamp; Glass) .....AAAA  
**PA.—Chester**  
 Wetherill & Co., Robert (Steel; Self-Supporting) .....AAAA  
**PA.—Coraopolis**  
 Consolidated Lamp & Glass Co. (Lamp; Glass) .....A  
**PA.—Ellwood City**  
 Clark Bros. Glass Mfg. Co. (Lamp; Glass) .....A  
**PA.—Jeanette**  
 McKee-Jeanette Glass Co. (Lamp; Glass) .....B  
**PA.—Monaca**  
 Phoenix Glass Co. (Br. Pittsburg) (Lamp; Glass) .....A  
**PA.—New Castle**  
 Pennsylvania Engineering Works (Steel) .....AA  
**PA.—Philadelphia**  
 Gill & Co. (Lamp; Glass) .....A  
 Gillinder & Sons (Lamp; Glass) .....B  
 Lindsay & Co., W. W., 1502 Market (Steel) .....C  
 Murray & Co., Jas. J. (Lamp; Glass) .....A  
 Reichman, Geo., 1406 N. 10th (Lamp; Mica) .....F  
**PA.—Pittsburg**  
 McKee & Co., S. (Lamp; Glass) .....D  
 National Glass Co. (Glass) .....A  
 Pittsburg Lamp, Brass & Glass Co. (Glass) .....AAAA  
 Macbeth-Evans Glass Co. (Lamp; Glass; Steel; Iron) .....AAAA  
 Phoenix Glass Co. (Lamp; Glass) .....A  
 Riter-Conley Mfg. Co. (Iron; Steel) .....AAA  
 Sealife & Sons' Co., Wm. B. (Steel) .....AAA  
 U. S. Glass Co. (Lamp; Glass) .....AAAA  
**PA.—Warren**  
 Struthers, Wells & Co. (Steel) .....AA  
**PA.—Washington**  
 Petroleum Iron Works Co. (Steel) .....A  
**PA.—White Mills**  
 Dorflinger & Sons, C. (Lamp; Glass) .....AA  
**PA.—Williamsport**  
 Keeler Co., E. (Steel) .....A  
**PA.—York**  
 Broomell, Schmidt & Steacy Co. (Steel) .....A  
**W. VA.—Salem**  
 Rand Lamp Chimney Co.



**CHISELS (Con.)**

ing; Floor) .....AAA

**ILL.—Downer's Grove**

Dicke Tool Co. (Cold; Cape) C

**ILL.—Freeport**

Stover Mfg. Co. (Ice) ...AA

**ILL.—Rockford**

Forrest City Bit &amp; Tool Co.

(Mortising; Hollow; Solid) .....O

**IND.—Evansville**

Evansville Tool Works

(Brick; Cold; Cape; Stone

Cutters'; Track) .....A

**IOWA—Cedar Falls**

Wagner Mfg. Co. (Ice) ..D

**IOWA—Fort Madison**

Iowa Farming &amp; Tool Co.

(Ice) .....A

**MASS.—Boston**

Harvey, H. H., 608 Atlantic

Av. (Brick; Cold; Cape;

Stone Cutters'; Track;

Chipping) .....B

**MASS.—Brookton**

Tuck Mfg. Co., 74 Ames

(Cold; Cape) .....G

**MASS.—Fiskdale**

Snell Mfg. Co. (Cold; Cape;

Carpenters') .....B

**MASS.—Kingston**

Drew &amp; Co., C. (Cold; Cape;

Box; Carpenters') .....C

**MASS.—Millbury**

Buck, Chas. (Carpenters';

Socket; Tanged; Cold;

Floor; Ripping) .....B

Buck Bros. (Carpenters';

Cold; Cape; Socket;

Tanged) .....A

**MICH.—Detroit**

Anderson &amp; Sons, W. H.

(Brick; Calking; Cold;

Cape; Stone Cutters';

Track) .....C

Detroit Steel &amp; Spring Co.

(Chipping; Drove; Hot;

Diamond; Pitching Tool;

Track) .....D

**MICH.—Kalamazoo**

Kalamazoo Railway Supply

Co. (Track) .....B

**MINN.—Minneapolis**

Therien, J. O., 116 First Av.,

N. (Cold; Cape) .....E

**MO.—St. Louis**

Crescent Novelty Mfg. Co.

(Brick; Cold; Cape)....D

Mound Tool &amp; Scraper Co.,

710 Howard (Cold; Cape) X

Schueddig &amp; Son, 523 S. Jef-

ferson (Stone Cutters')..E

**N. J.—Elizabeth**

Atha Tool Co. (Brick; Cold;

Cape; Stone Cutters';

Track; Diamond) .....A

Braunsdorf - Mueller Co.

(Box; Brick; Cold; Floor;

Ripping) .....D

Bernz, Otto S., 13th &amp; S.

Orange Av. (Brick; Calk-

ing; Cold; Cape; Floor)..R

Heller Tool Co. (Track;

Hot) .....D

Johnson, Wm., 249 Plane

(Cold; Cape) .....D

Kraeuter &amp; Co., 577 18th

Av. (Cold; Cape).....E

Osborne &amp; Co., C. S. (Calk-

ing; Box; Gasket) .....B

**N. J.—Smithville**

Smith Machine Co., H. B.

(Mortiser) .....A

**N. Y.—Brooklyn**

Carver, John, 80 Wallabout

(Cold; Cape) .....X

**N. Y.—Buffalo**

Niagara Machine &amp; Tool

Works (Wire) .....AAA

White Co., L. &amp; I. J. (Car-

penters'; Socket; Tanged) A

**N. Y.—Little Falls**

Cheney Hammer Co., Henry

(Track) .....D

**New York City**

American Axe &amp; Tool Co.,

253 B'way (Carpenters') AAAA

American Wood Working

Mach. Co., 136 Liberty

**CHISELS (Con.)**

(Carpenters'; Mortiser)

AAA

Grafrath, Charles, 218 W.

20th (Dental) .....E

Hammacher, Schlemmer &amp;

Co., 209 Bowery (Carpen-

ters'; Stone Cutters') AAA

Jennings &amp; Co., C. E., 101

Reade (Carpenters'; Cold;

Cape; Socket) .....D

Mead, I. V., 418 E. 110th

(Stone Cutters') .....F

Sargent &amp; Co., 151 Leonard

(Box; Cold) .....AAAA

Tower &amp; Lyon Co., 95 Cham-

bers (Socket) .....B

**N. Y.—Syracuse**

Syracuse Twist Drill Co.

(Cold; Cape) .....B

**OHIO—Alliance**

Transue &amp; Williams Co.

(Cold) .....A

**OHIO—Canton**

Ney Mfg. Co. (Cold) ....B

**OHIO—Cincinnati**

Fay &amp; Egan Co., J. A. (Mor-

tiser) .....AAAA

**OHIO—Cleveland**

Gerlach &amp; Co., Peter (Alli-

gator) .....B

**OHIO—Columbus**

Ohio Tool Co. (Carpenters';

Gasket; Mortiser; Socket) A

**OHIO—Defiance**

Defiance Mach. Wks. (Mor-

tiser) .....A

**OHIO—Ravenna**

Williams, A. C. (Ice) ....A

**PA.—Chester**

Black &amp; Co., H. B. (Car-

penters') .....A

**PA.—Corry**

McInness Steel Co. (Track) C

**PA.—Ogontz**

Hammond &amp; Son Co. (Cold;

Cape; Chipping) .....A

**PA.—Philadelphia**

Goodell &amp; Waters (Mortiser) X

Pedrick &amp; Ayer (Track)..A

Plumb, Fayette E., Fkfd.

(Brick; Carpenters'; Cold;

Cape; Stone Cutters';

Track) .....AA

Pugh, Job. I., 31st &amp; Lud-

low (Hollow Mortising)..C

Stortz &amp; Son, Jno., 210 Vine

(Brick; Cold; Cape; Stone

Cutters'; Floor) .....F

**PA.—Pittsburg**

Hubbard &amp; Co., Murtland

Bldg. (Cold; Cape; Track) A

Iron City Tool Works, 32d

&amp; Smallman (Cold; Cape;

Track) .....B

Klein-Logan Co., 8. 13th &amp;

Breed (Cold; Cape; Track) A

**Pittsburg Tool & Drop**

Forge Co., Arrott Bldg.

(Track) .....E

**PA.—Verona**

Verona Tool Works (Cold;

Cape; Track) .....A

**VT.—Barre**

Trow &amp; Holden (Granite)..B

**W. VA.—Wheeling**

Wheeling Hinge Co. (Car-

penters'; Cold; Cape;

Coal) .....AA

**CHLORAL**

New York City

Boehring &amp; Soehme, 7

Cedar .....A

**CHLORIDE****OF LIME**

See Lime

**CHLOROFORM**

MD.—Baltimore

Thomsen Chemical Co. ...B

**CHLOROFORM (Con.)**

**MASS.—Boston**  
 Billings, Clapp & Co. .... B  
**MO.—St. Louis**  
 Larkin & Scheffer Chemical  
 Co. .... A  
 Mallinckrodt Chemical Wks.  
 AAAAA  
**N. Y.—Albany**  
 Albany Chemical Co. .... A  
**New York City**  
 Merck & Co. .... AAA  
 New York Quinine & Chem.  
 Wks. .... A  
 Pfizer & Co., Chas. .... AAAAA  
 Roessler & Hasslacher  
 Chemical Co., 100<sup>th</sup> Wil-  
 liam .... AA  
 Schleffelin & Co., W. H. AA  
**PA.—Philadelphia**  
 Powers-Weightman-Rosen-  
 garten Co. .... AAAAA

**CHOCOLATE  
& COCOA**

**CAL.—San Francisco**  
 Ghiradelli Co., D., 617 San-  
 some .... AA  
 Sherwood & Sherwood, 212  
 Market .... AAA  
**ILL.—Chicago**  
 Baker & Co. (Ltd.) Walter,  
 38 Lake .... AAAAA  
 Chocolate Menier, 64 Wa-  
 bash Av. .... AAAAA  
 Cobb Chocolate Co., 374 E.  
 Illinois .... B  
 Huylers, 49 Lake (Br. N. Y.  
 City) .... A  
 Runkel Bros., 42 River .... A  
 Van Houten and Zoon, 45  
 Wabash Av. .... AAAAA  
 Volkman, Stollwerck & Co.,  
 27 Mich. Av. .... AAAAA  
 Wilbur & Son, H. O., 15  
 River (Br. Phila.) .... AA  
**MD.—Baltimore**  
 Blue Ribbon Candy Co., 749  
 W. Pratt .... A  
 Headley Chocolate Co., 11  
 S. Fredk. .... C  
**MASS.—Boston**  
 Baker & Co. (Ltd.) Walter,  
 247 Atlantic Av. .... AAAAA  
 Lowney Co., W. M., 447  
 Commercial .... A  
 Schraff & Sons, W. F., 94  
 Portland .... C  
 Wenz, H., 9 Harcourt .... C  
**MASS.—Cambridge**  
 Sparrow Co., H. F. .... A  
**MASS.—Dorchester**  
 Baker & Co. (Ltd.) Walter  
 AAAAA  
**MINN.—Minneapolis**  
 Oatmeal Cocoa Co. .... B  
**MO.—St. Louis**  
 Blanke & Bro. Candy Co.,  
 608 Market .... AA  
**N. J.—Newark**  
 Hallock, Denton & Co. .... B  
**N. Y.—Annandale**  
 Baker, (Ltd.) W. H. .... A  
**N. Y.—Brooklyn**  
 Baker & Co., J. H., 89  
 Bedford Av. .... A  
 Bischoff, F., 32 St. Felix  
 (Ess. Cocoa) .... C  
 Matchett & Co., J. J., 390  
 Wythe Av. .... C  
**N. Y.—Buffalo**  
 Phelps Co., 101 Seneca .... C  
**N. Y.—Lockport**  
 Niagara Mfg. & Merc. Co.  
 C  
**New York City**  
 Auerbach & Sons, D., 334  
 W. 39th .... C  
 Baker & Co. (Ltd.) W., 105  
 Hudson .... AAAAA  
 Baker, W. H., 198 W.  
 B'way .... A  
 Baker, W. H., 80 Wall (Br.  
 Syracuse, N. Y.) .... C  
 Baker Co., W. P., 131st &  
 Park Av. .... B  
 Beling & Co., L., 410 W.  
 13th .... C  
 Burchard & Co., 285 Washn.  
 B  
 Crane & Martin Co., 309 E.

**CHOCOLATE & COCOA**

22d .... B  
 Gousset, C., 137 Prince ... B  
 Greek-American Confection-  
 ery Co., 7 Main .... C  
 Hawley & Hoops, 271 Mul-  
 berry .... AAA  
 Hershey Chocolate Co., 23  
 Worth .... AAAAA  
 Hess Bros., 502 W. 30th ... B  
 Herron, Jas. M., 6 Hanover  
 B  
 "Huylers", 64 Irving Pl. ... A  
 Leeming & Co., T., 73 War-  
 ren .... B  
 Maillard, H., 118 W. 85th  
 B  
 Menier (Firm of), 95 5th  
 Av. .... AAAAA  
 Phelps Co., 105 Hudson ... C  
 Phillips Chemical Co., 128  
 Pearl .... B  
 Plasmon Co. of America, 116  
 Broad .... AAA  
 Rach Cocoa Co., 202 Bleek-  
 er .... C  
 Rockwood Co., 488 Cherry  
 AAA  
 Runkel Bros., 447 W. 30th  
 A  
 Smith & Co., J. P., 90 Hud-  
 son .... AAA  
 Van Houten & Zoon. .... AAAAA  
 Volkman, Stollwerck & Co.,  
 5 Worth .... AAAAA  
 Wilbur & Son, H. O., 6  
 Hanover .... AA  
**N. Y.—Syracuse**  
 Baker, Wm. H. .... C  
**PA.—Lancaster**  
 Hershey Chocolate Co.  
 AAAAA  
**PA.—Philadelphia**  
 Baker, W. H., 117 Walnut  
 A  
 Croft & Allen Co., Market &  
 33d .... AA  
 "Huylers", 1320 Chestnut. A  
 Miller & Son Co., G., 255  
 S. 3d .... AA  
 Whitman & Son, S. F., 608  
 Cherry .... A  
 Wilbur & Co., H., 235 N. 3d  
 AA  
**VA.—Winchester**  
 Baker, W. H. .... A  
**WIS.—Milwaukee**  
 Ambrosia Chocolate Co. ... B  
**CHOP**  
**KANS.—McPherson**  
 Pearl Milling Co. (Corn) ... D  
**KANS.—Marionville**  
 Marionville Roller Mill Co.  
 (Corn) .... B  
**KANS.—Oakgrove**  
 Oakgrove Mill Co. (Corn) ... E  
**KANS.—Willington**  
 Hunter Milling Co. (Corn) ... A  
**PA.—Fertility**  
 Groff, I. B. (Corn) .... F

**CHOPPERS**

**CONN.—Branford**  
 New York Lock Co. (Meat;  
 Food; Vegetable) .... B  
**CONN.—New Britain**  
 Landers, Frary & Clark  
 (Meat; Food; Vegetable) ... AAA  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co.  
 (Meat; Food; Vegetable) ... AAAAA  
**IOWA.—Burlington**  
 Murray Iron Works Co.  
 (Meat) .... A  
**MASS.—Athol**  
 Athol Machine Co. (Meat;  
 Food; Vegetable) .... B  
**MO.—St. Louis**  
 Brecht Butchers' Supply Co.,  
 Gus. V. (Power; Meat) ... A  
**N. J.—Newark**  
 Osborne & Co., C. S. (Meat)  
 B  
**N. J.—Raritan**  
 Kenyon & Son, D. R. (Meat)  
 A  
**N. Y.—Buffalo**  
 Smith's Sons, John E.

**CHOPPERS (Con.)**

(Meat) .....B  
**New York City**  
 Chatillon & Sons, John, 87  
 Cliff (Meat; Food; Vegetable) .....A  
 Graham & Co., John H., 113  
 Chambers (Meat; Food; Vegetable) .....AA  
 Jennings & Co., C. E., 42  
 Murray (Butchers') ....D  
 Russell & Erwin Mfg. Co.,  
 43 Chambers (Meat; Food; Vegetable) .....AAAA  
 Sargent & Co., 151 Leonard  
 (Meat; Food; Vegetable) .....AAAA  
**Smith & Hemenway Co., 296**  
 Bway. (Meat; Food; Vegetable) .....D  
 Staubach, B., 652 E. 12th  
 (Power; Meat) .....A  
**N. Y.—Rochester**  
 Streeter & Co., N. R. (Meat) .....B

**OHIO—Salem**

Silver Mfg. Co. (Power; Meat) .....A

**PA.—Allegheny**

Renkin Co., W. W. (Meat) .....G

**PA.—Elizabethtown**

Buch's Sons, A. (Meat) ..B

**PA.—Enterprise**

Enterprise Mfg. Co. of Pa.  
 (Meat; Food; Vegetable) .....AAAA

**PA.—Mount Joy**

Rollman Mfg. Co. (Meat; Food; Vegetable) .....G

**PA.—Philadelphia**

Model Mfg. Co. of Pennsylvania (Meat) .....F

Nittinger, August (Power; Meat) .....A

North Bros. Mfg. Co. (Meat; Food; Vegetable) ....A

Plumb, Fayette R., Tasker  
 (Butchers') .....AA

Stortz & Son, John (Meat) ..F

**S. C.—Blacksburg**

Blacksburg Machine & Iron  
 Works (Cotton) .....E

**CHOW CHOW****ILL.—Chicago**

Henning, Wm., 113 E. North  
 Av. ....A

Squire, Dingee Co., 218 E.  
 Kenzie .....X

**IOWA—Cedar Rapids**

Brecht, Henry G. ....X

**IOWA—Keokuk**

Keokuk Pickle Co. ....B

**MASS.—Boston**

Skilton, Foote & Co. ....X

**MO.—St. Louis**

Bayle, Geo. A. ....B

**New York City**  
 Gulden, Chas., 46 Elizabeth  
 Av. ....AA

**PA.—Philadelphia**

Philadelphia Pickling Co. ..C

**CHROMOS****MASS.—Springfield**

Taber-Prang Art Co. ....AA

**New York City**

Tobin, Michael F., 373  
 Broadway .....B

**CHRONO-****METERS****MASS.—Boston**

Bond & Son, Wm., 148 State  
 St. ....E

**New York City**

Bliss & Co., Jno., 128 Front  
 (Ship) .....D

Kohlbusch, Herman, 194  
 Broadway .....B

Regus, T. S. & J. D., 140  
 Water .....B

**CHUCKS****CONN.—Bridgeport**

Smith & Egge Mfg. Co.  
 (Drills) .....A

**CHUCKS (Con.)**

Springfield Mfg. Co. (Emery  
 Wheel) .....C

**CONN.—Hartford**

Cushman Chuck Co. (Drill;  
 Jaw; Lathe; Planer; Combined;  
 Compound Circular;  
 Cutting off; Eccentric  
 Lathe; Independent Jaw;  
 Planet; Self-Centering;  
 Turret Lathe; Universal  
 Lathe; Amateur Lathe) .....AA

Dwight Slate Machine Co.  
 (Lathe; Centering) .....C

Jacobs, A. I. (Drill) ....D

Pratt & Whitney Co.  
 (Lathe; Planer; Drill;  
 Wire) .....AAAA

**CONN.—New Britain**

Skinner Chuck Co. (Drill  
 Lathe; Planer; Combined  
 Lathe; Car Wheel; Turret  
 Lathe; Centering; Milling  
 Machine) .....B

Union Mfg. Co. (Drill;  
 Lathe Machine; Screw Ma-  
 chine; Box; Scroll; Bi-  
 cycle; Centering; Boring  
 Mills; Turning Mills; Mill-  
 ing Machine; Planer) ..AA

**CONN.—New Haven**

Brown & Co., R. H. (Drill;  
 Planer; Lathe) .....B

Hoggson & Pettis Mfg. Co.  
 (Drill; Lathe; Car Wheel;  
 Independent Jaw; Universal  
 Lathe) .....A

New Haven Mfg. Co. (Screw  
 Machine; Planer; Lathe) .....AA

**CONN.—New London**

Whiton Machine Co., D. E.  
 (Drill; Jaw; Lathe Ma-  
 chine; Milling Machine;  
 Combined Lathe; Cutting  
 Off; Independent Jawed;  
 Self-Centering; Universal  
 Lathe; Valve; Amateur  
 Lathe) .....A

**CONN.—Norwalk**

Le Count, Wm. G. (Drill) ..D

**CONN.—Tolland**

Clough, R. M. (Drill;  
 Spring) .....X

**CONN.—Torrington**

Hendey Machine Co. (Plan-  
 er; Shaper) .....A

**CONN.—Windsor Locks**

Horton & Sons' Co., E.  
 (Drill; Jaw; Lathe; Mill-  
 ing Machine; Screw Ma-  
 chine; Brass Finishers';  
 Car Wheel; Cut-Off; In-  
 dependent Jaw; Gravity  
 Slip; Universal Lathe;  
 Boring Mills; Turning  
 Mills; Tapping) .....A

**DEL.—Wilmington**

Trump Bros. Machine Co.  
 (Drill; Lathe) .....A

**ILL.—Chicago**

Massey Vise Co., 30 S. Can-  
 al (Milling Machine;  
 Planer) .....E

**ILL.—Elgin**

Moseley Lathe Co. (Gravity  
 Slip) .....D

**ILL.—Freeport**

Hoefler Mfg. Co. (Drill) ..D

**MASS.—Boston**

American Tool & Machine  
 Co. (Box; Turret Lathe;  
 Drill; Planer) .....AA

Faneull Watch Tool Co.  
 (Self-Centering) .....C

**MASS.—Fitchburg**

Fitchburg Machine Works  
 (Planer) .....A

Putnam Machine Co. (Drill;  
 Lathe Machine; Screw Ma-  
 chine; Combined Lathe;  
 Eccentric Lathe; Indepen-  
 dent Jawed; Turret Lathe;  
 Universal Lathe; Rack;  
 Scraper) .....AA

**MASS.—Greenfield**

Buttler Chuck Co. (Drill) ..D

Goodell-Pratt Co. (Drill) ..B

Wiley & Russell Mfg. Co.  
 (Drill) .....AA

**CHUCKS (Con.)**

**MASS.—Millers Falls**  
 Millers Falls Co. (Drill).AA  
**MASS.—New Bedford**  
 Morse Twist-Drill & Machine  
 Co. (Drill; Lathe Drill;  
 Twist Drill; Self-Center-  
 ing; Independent Jawed)  
 AAA  
**MASS.—Orange**  
 Leavitt Machine Co. (Lathe)  
 D  
**MASS.—Waltham**  
 American Watch Tool Co.  
 (Wire).....D  
**MASS.—Worcester**  
 Draper Machine Tool Co.  
 (Planer).....A  
 Norton Emery Wheel Co.  
 (Lathe; Emery Wheel  
 Bushing).....AAA  
 Reed Co., Francis (Planer;  
 Planet).....D  
 Walker, O. S., Station D  
 (Magnetic).....H  
**MICH.—Detroit**  
 Detroit Twist Drill Co.  
 (Drill).....C  
**MICH.—Grand Rapids**  
 Fox Machine Co., 127 N.  
 Front (Planer).....X  
**MO.—St. Louis**  
 St. Louis Machine Tool Co.,  
 1114 S. 8th (Tapping)...X  
**N. J.—Newark**  
 Gould & Eberhardt, 95 N. J.  
 B. R. Av. (Drill; Lathe;  
 Combined Lathe; Com-  
 pound Circular; Oval) ...A  
**N. J.—Plainfield**  
 Pond Machine Tool Co. (Br.  
 Niles-Bement-Pond Co.,  
 N. Y. City) (Planer)  
 AAAA  
**N. J.—Smithville**  
 Smith Machine Co., H. B.  
 (Wood Lathe).....A  
**N. Y.—Brooklyn**  
 Almond, T. R., 83 Washn.  
 (Drill).....C  
 Bliss Co., E. W., 19 Adams  
 (Spinning).....AAAA  
 Hay-Budden Mfg. Co., 254  
 N. Henry (Forged Tool  
 Steel Spinning).....B  
**N. Y.—Frankfort**  
 Pratt Chuck Co. (Driving  
 Drill; Lathe).....A  
**N. Y.—Lockport**  
 Trevor Mfg. Co. (Lathe)...B  
**New York City**  
 Errington, F. A., 39 Cort-  
 landt (Screw Cutting;  
 Auto. Opening; Tapping;  
 Die; Gravity Slip).....D  
 Fairbanks Co., 416 Broome  
 (Boring Mills; Turning  
 Mills; Lathe).....AAAA  
 Garvin Machine Co., 187  
 Varick (Drill; Screw Ma-  
 chine Lathe).....AAA  
 Jennings Co., C. E., 42  
 Murray (Drill).....D  
 Niles-Belmont-Pond Co., 111  
 B'way (Centering; Drill;  
 Boring Mills; Turning  
 Mills; Independent; Uni-  
 versal Lathe; Milling Ma-  
 chine; Planer).....AAAA  
 Peck, Stow & Wilcox Co.  
 (Lathe).....AAAA  
 Tower & Lyon Co., 95 Cham-  
 bers (Planer).....B  
**N. Y.—Oneida**  
 Oneida National Chuck Co.  
 (Drill; Jaw; Lathe; Mill-  
 ing Machine; Planer;  
 Screw Machine; Twist  
 Drill).....AAA  
 Westcott Chuck Co. (Drill;  
 Lathe; Car Wheel; Com-  
 bined Lathe; Cutting Off;  
 Eccentric Lathe; Inde-  
 pendent Jawed; Self-Sen-  
 tering; Turret Lathe; Uni-  
 versal Lathe; Boring;  
 Turning Mills; Milling  
 Machine).....A  
**N. Y.—Seneca Falls**  
 Seneca Falls Mfg. Co.  
 (Drill).....B  
**N. Y.—Yonkers**  
 Saunders' Sons, D. (Drill:

**CHUCKS (Con.)**

Tap; Lever; Concentric  
 Three Jawed; Independent  
 Jawed; Key Nippel; Uni-  
 versal Lathe).....A  
**OHIO—Cleveland**  
 Cleveland Twist Drill Co.  
 (Cox & Prentiss) (Drill)  
 A  
 Standard Tool Co. (Drill;  
 Lathe).....AAA  
 Warner & Swasey, 57 E.  
 Prospect (Jaw; Lathe).A  
**OHIO—Shelby**  
 Brightman Mfg. Co. (Drill)  
 AA  
**PA.—Erie**  
 Holland's Mfg. Co. (Planer)  
 C  
 Modern Tool Co. (Drill, for  
 Reamers & Counterbores;  
 Tapping).....E  
**PA.—Philadelphia**  
 Harrington & Sons Co., E.  
 1515 Penna. Av. (Lathe;  
 Planer).....AA  
 Pedrick & Ayer Co., 1001  
 Hamilton (Planer).....A  
**PA.—Pittsburg**  
 American Tool Wks. Co., 6th  
 & Empire Bldg. (Drill;  
 Planer).....AA  
**R. I.—Pawtucket**  
 Potter & Johnston Machine  
 Co. (Lever; Independent;  
 Universal).....A

**CHURNS**

**ILL.—Chicago**  
 Barber Creamery Supply Co.,  
 A. H. (Butter Workers  
 Combined).....B  
 Boyd, John (Dairy).....B  
 Creamery Package Mfg. Co.  
 (Dairy; Power).....AAAA  
 Sturges & Burn Mfg. Co..A  
**ILL.—Elgin**  
 Barclay, D. F. (Dairy)....A  
**ILL.—Monmouth**  
 Milne Mfg. Co. (Butters  
 Workers Combined).....C  
**ILL.—Rockford**  
 Dobson Mfg. Co. (Dairy).B  
 McDermald, John (Dairy;  
 Barrel).....A  
 Palmer Co., H. H. (Dairy)  
 D  
**IND.—Fort Wayne**  
 Wayne Mfg. Co., Anthony  
 (Dairy).....X  
**IND.—Goshen**  
 I. X. L. & Goshen Pump Co.  
 (Dairy).....B  
**IOWA—Clinton**  
 Moseley & Pritchard Mfg.  
 Co. (Dairy).....D  
**IOWA—Davenport**  
 Brammer Mfg. Co., H. F.  
 (Dairy).....A  
**IOWA—Fort Dodge**  
 Fort Dodge Stoneware Co.  
 (Stone).....C  
**MASS.—Boston**  
 American Tool & Machine  
 Co. (Rubber).....AA  
 Ames Plow Co. (Dairy; Box;  
 Thermometer).....AAAA  
**MICH.—Bay City**  
 Bousfield & Co. (Inc.)  
 (Dairy).....AA  
**MICH.—Flint**  
 Flint Cabinet Creamery Co.  
 (Dairy).....E  
**MICH.—Jackson**  
 Aspinwall Mfg. Co. (Dairy)  
 B  
**MINN.—Owatonna**  
 Owatonna Mfg. Co. (Butter  
 Workers Combined) ...B  
**N. Y.—Fort Edward**  
 Hilfinger Bros. (Pottery).G  
**N. Y.—Little Falls**  
 Burrell & Co., D. H.  
 (Dairy).....AAAA  
**N. Y.—South Stockton**  
 Fenner, R. W. (Dairy; Bar-  
 rel; Box).....H  
**N. Y.—Syracuse**  
 Gowing, D. H. (Dairy;  
 Power).....C  
**N. Y.—Union Center**  
 Adson, Wyman L. (Dairy;



**CHURNS (Con.)**

Oil Test) .....H  
**N. Y.—Utica**  
 Jones, Frank L. (Dairy)...C  
**OHIO—Hamilton**  
 Deucher Co., H. P. (Dairy)  
 A  
**OHIO—Sidney**  
 Anderson & Carothers (But-  
 ter) .....C  
 Buckeye Churn Co. (Dairy)  
 B  
**OHIO—Wapakoneta**  
 Brown & Co., M. (Dairy)...A  
 Standard Churn Co. (Dairy;  
 Barrel; Revolving).....B  
**PA.—Philadelphia**  
 Reid, A. H. (Dairy; Bar-  
 rel; Box; Factory; Power)  
 A

**PA.—York**  
 Farquhar Co., A. B. (Ltd.)  
 (Dairy) .....AAA  
**TENN.—Nashville**  
 Frewitt, Spurr & Co.  
 (Dairy) .....A  
**VT.—Bellows Falls**  
 Vermont Farm Machine Co.  
 (Dairy; Barrel; Box; Fac-  
 tory; Power; Swing)...C  
**VT.—Rutland**  
 Stoddard Mfg. Co. (Dairy;  
 Barrel; Box; Factory;  
 Power) .....B  
**VT.—St. Albans**  
 St. Albans Foundry Co.  
 (Dairy) .....D  
**W. VA.—Richmond**  
 Richmond Cedar Wks.  
 (Ltd.) (Dairy) ....AAAA  
**WIS.—Fort Atkinson**  
 Cornish, Curtis & Greene  
 Mfg. Co. (Dairy; Box;  
 Factory; Oil Test; Butter  
 Workers Combined).....A  
**WIS.—Menasha**  
 Menasha Woodenware Co.  
 (Dairy) .....AA  
**WIS.—Racine**  
 Racine Malleable & Wrought  
 Iron Co. (Dairy) .....A  
**WIS.—Whitewater**  
 Wisconsin Dairy Supply Co.  
 (Dairy) .....D

**CHUTES**

**DEL.—Wilmington**  
 McCullough Iron Co. (Coal)  
 AA  
**ILL.—Chicago**  
 Allis-Chalmers Co., Home  
 Ins. Bldg. (Coal)...AAAA  
 Borden & Selleck Co., 118  
 Lake (Coal) .....B  
 Fairbanks, Morse & Co.,  
 Franklin & Monroe (Loco-  
 motive Loading Coal)...AAAA  
 Hoisting & Conveying Mach.  
 Co., 44 N. Elizabeth  
 (Coal) .....H  
 Kasper Oats Cleaner Co.  
 (Oat Cleaning for Stables)  
 F  
**ILL.—Moline**  
 Williams, White & Co. (Lo-  
 comotive Loading Coal;  
 Automatic Coal) .....A  
**MASS.—Holyoke**  
 Connor Steel Plate Ash  
 Chute Co. (Steel Plate  
 Ash) .....F  
**MASS.—Worcester**  
 Hill Dryer Co., Garbage)...D  
**MICH.—Lansing**  
 Lansing Wheelbarrow Co.  
 (Coal) .....AAA  
**N. J.—Hoboken**  
 Union Iron Works (Coal)...C  
 New York City  
 Hunt Co., C. W., 45 Bway.  
 (Coal) .....A  
 Koven & Bro., L. O., 50  
 Cliff (Coal; Grain, &c.)...A  
**N. Y.—Rochester**  
 Cutler Mfg. Co. (Mail)...AA  
**OHIO—Cleveland**  
 Garry Iron & Steel Co.  
 (Coal) .....A  
 Wellman-Seaver-Morgan Co.,  
 (Coal) .....AAAA

**CHUTES (Con.)**

**OHIO—Youngstown**  
 Pollock Co., Wm. B. (Coal)  
 B  
**PA.—Monongahela**  
 Monongahela Mfg. Co.  
 (Coal) .....C  
**PA.—New Castle**  
 Pennsylvania Engineering  
 Wks. (Coal) .....A  
**PA.—Pittsburg**  
 Ritter-Conley Mfg. Co.  
 (Coal; Ore) .....AAA  
 Scaife & Sons Co., W. B.  
 (Coal) .....AAA  
**PA.—Scottsdale**  
 Kenney & Co. (Coal) .....A  
**W. VA.—Wheeling**  
 Wheeling Hinge Co. (Coal)  
 AA

**CIDER, VINE-  
GAR, PICKLES  
SAUERKRAUT**

**ALA.—Birmingham**  
 Nabers, Morrow & Sinnige,  
 (C.; V.) .....A  
**ALA.—Ft. Smith**  
 Oklahoma Vinegar Co. (C.;  
 V.; P.) .....C  
**ARK.—Little Rock**  
 Lasker Bros. (C.) .....A  
**CAL.—Los Angeles**  
 Hill & Sons Co., Jas. (C.;  
 V.; P.) .....A  
 Keppler & Tamm, 235 San  
 Pedro .....B  
 Los Angeles Pickle Co., 737  
 San Fernando (P.) .....C  
 Vache & Co., T. (V.) .....B  
**CAL.—San Francisco**  
 Calif. Vinegar Co., 431 7th  
 (C. & V.) .....C  
 Fisher Packing Co., 509  
 Coml. (C.; V.; P.) .....C  
 Lewis Packing Co. Vinegar  
 Wks., 635 Front (C.; V.;  
 P.) .....C  
 Loeffler, John, 422 5th...C  
 Pacific Vinegar & Pickle  
 Wks., 122 Davis .....A  
 Phila. Mfg. Co., 431 7th  
 (V.; P.) .....C  
 Phila. Vinegar Wks. Bryant  
 & 7th (C.; V.) .....C  
 Sherwood & Sherwood, 212  
 Mkt. (C.; V.; P.) .....AAA  
 South End Pickle Works,  
 422 5th (P.) .....C  
**COLO.—Denver**  
 Beebe-Cranell Pickle Co.,  
 11th & Bayard (C.; V.;  
 P.) .....C  
 Kuner Pickle Co., 22d &  
 Blake .....B  
**COLO.—Longmont**  
 Empson Packing Co. (P.)...A  
**CONN.—Hartford**  
 Fitzgerald, R. N., 44 Mar-  
 ket (P.) .....B  
**CONN.—Melrose**  
 Thompson & Son, J. A. (C.;  
 V.) .....A  
**CONN.—New Haven**  
 Bates Co., L. (The) (P.)...A  
 Dillon & Douglass (V.; P.)  
 A  
**CONN.—Nichols**  
 Fairchild, E. S. (C.; V.)...C  
**CONN.—Windsor**  
 Ellsworth & Filley (P.)...A  
**GA.—Albany**  
 Albany Mfg. Co. (C.) .....A  
**GA.—Atlanta**  
 Oklahoma Vinegar Co. (Br.  
 Ft. Smith, Ark.) (C.; V.)  
 C  
**GA.—Augusta**  
 Grocers' Mfg. Co. (C.)....B  
**GA.—Macon**  
 Mohawk Cider & Vinegar  
 Wks. (C.; V.) .....C  
**GA.—Savannah**  
 Solomon & Son, H. (C.;  
 V.) .....AA  
**ILL.—Belleville**  
 St. Clair Vinegar Co. (C.;  
 V.) .....A  
**ILL.—Bloomington**  
 Bloomington Can Co. (S.,

**CIDER, VINEGAR, &C.**  
 Canned) .....B  
 Bloomington Cider & Vinegar Co. (C.; V.; P.)...C  
**ILL.—Blue Island**  
 Henke & Hoffner (S.)....A  
**ILL.—Brighton**  
 Hilliard, Geo. W. (C.)....B  
**ILL.—Chicago**  
 Barrett & Barrett, 260  
 Kinzie (C.; V.).....AAA  
 Budlong, L. A., Lincoln & Foster Av. (P.; S.)....A  
 Bunge Co., Wm. H., 71 N. Ann (C.; P.; S.).....A  
 Callahan & Co., A. P., 2407 La Salle (C.; V.)....A  
 Chicago Consolidated Bottling Co., 14 Lomax Pl. (C.) .....A  
 Clausen & Sons, C. F., N. Av. Boul. & 52d .....A  
 Dingee Squire Co., 175 Clrbourn .....AA  
 Heluz Co., H. J., 1812 So. Clark (C.; V.; P.).....AAAA  
 Hennig, Wm., 117 E. North Av. (C.; V.; P.).....A  
 Huss-Edler Preserve Co., 75 W. Kinzie (P.).....B  
 Illinois Vinegar Mfg. Co., 19th & Rockwell (C.; V.) .....AA  
 Prussing Vinegar Co. (A. P. Callahan), 135 Kinzie (C.; V.) .....A  
 Reid, Murdoch & Co., Lake & Mkt. ....AAAA  
 Spielman Bros. Co., 93 North Av. (C.; V.)....A  
 Stafford & Goldsmith, 698 Austin Av. (P.) .....A  
 Van Deursen, C. S. & M., 6 Dearborn (S.) .....B  
 Waldner (Co., F. A., 42 River (S.) .....C  
 Wichert & Co., H., 1205 So. Paullina (P.) .....C  
 Wolff & Sons, M., 218 W. Lake (V.; P.; S.)....C  
**ILL.—Evanston**  
 Dingee & Son, Saml. M. (P.) .....B  
**ILL.—Freeport**  
 Burrell Bros. (C.; V.)....B  
**ILL.—Hampshire**  
 Squire Dingee Co. (P.)...AA  
**ILL.—Kiahwaukee**  
 Johnson, F. C. (C.; V.)....A  
**ILL.—Lansing**  
 Meeter, John (S.) .....C  
**ILL.—M'Henry**  
 Stafford & Goldsmith Co. (Br. Chicago (P.).....B  
**ILL.—Norton Grove**  
 Henning, W. (V.; P.)....A  
**ILL.—Nunda**  
 Goodwin Sons, J. (P.)....C  
**ILL.—Quincy**  
 Flynn & Co., J. J. (C.; V.) .....A  
 Globe Pickle Co. (Br. St. Louis, Ill.) (C.; V.; P.) .....C  
**ILL.—Rockford**  
 Johnson, F. C. (V.).....A  
**ILL.—Woodstock**  
 Dingee Squire Co. (P.)...AA  
**IND.—Churnusco**  
 Gandy & Co., O. (P.)....A  
**IND.—Delphi**  
 Great Western Canning Co. (S.) .....C  
**IND.—Ft. Wayne**  
 Hoffman, C. A. (C.; V.)...C  
**IND.—Indianapolis**  
 Heinz Co., H. J., 33 S. Del. (P.) .....AAAA  
 Huffman Packg. Co., W. D., 24 Dunlop (C.; V.)....C  
 Van Camp Packg. Co., 600 Kentucky Av. (S.)...AA  
**IND.—Lafayette**  
 Cruikshank Bros. Co. (Br. Allegheny City, Pa.) (C.; V.; P.) .....B  
 Heinz Co. (The) (C.; V.; P.) .....A  
**IND.—Marble Hill**  
 Dean Cider & Vinegar Co., Chas. B. (C.; V.).....B

**CIDER, VINEGAR, &C.**  
**IND.—Terre Haute**  
 Stark, C. (C.; V.).....C  
**IOWA—Burlington**  
 Blaul Sons Co., John (S.) .....AA  
 Lagomarcino & Co., A. (C.) .....B  
**IOWA—Council Bluffs**  
 Smith Refining Co. (V.)...C  
**IOWA—Davenport**  
 Amazon Vin. & Pickg. Co. .....B  
**IOWA—Des Moines**  
 Mennig & Slater, 120 2d (C.; V.; P.).....A  
 Rollins Vin. & Pickle Co..A  
**IOWA—Glenwood**  
 New Glenwood Can Co. (C.; S.) .....C  
**IOWA—Keokuk**  
 Keokuk Canning Co. (V.; P.) .....A  
 Keokuk Pickle Co. (V.; P.) .....B  
**IOWA—Marshalltown**  
 Marshall Vinegar Co.....C  
**IOWA—Ottumwa**  
 Ottumwa Pickle Co. (P.)...B  
**KANS.—Enterprise**  
 Enterprise Vinegar Wks. (C.; V.).....C  
**KANS.—Topeka**  
 Kuehne Pres. Co., O. (C.; V.; P.) .....B  
**KY.—Covington**  
 Ahlers Co. (The) (C.; V.; P.) .....B  
**KY.—Louisville**  
 Gast & Crofts, 1004 W. Main (C.; V.; P.).....B  
 Heinz Co., H. J., 1110 W. Main (P.) .....AAAA  
 Hirsch Bros. & Co., 700 14th (C.; V.; P.) .....B  
 Hughes & Co., R. M., 10th & Ormsby (C.; V.).....A  
 Hyman Pickle Co. (The), 232 Pearl Av. (P.; S.)...  
 Jones Bros. & Co., 100 15th (C.; V.) .....B  
 Louisville Cider & Vinegar Wks., 1721 High Av. (C.; V.) .....C  
 Price & Lucas Cider & Vinegar Co. (C.; V.).....A  
**KY.—Millvale**  
 Weller Co., J. (The), (P.) .....A  
**KY.—Paducah**  
 Gregory Vinegar Co., O. L. (C.; V.) .....B  
**MAINE—Portland**  
 Pettingill & Co., E. D., 46 York (C.; V.; P.).....B  
**MD.—Baltimore**  
 Baltimore Mfg. Co., 649 Buren (C.; V.).....AAAA  
 Elmer & Sons, Lewis, 104 South (C.; V.).....A  
 Gibbs Presg. Co., 2305 Boston (S.) .....AA  
 Heinz Co., H. J., 112 S. Howard (P.) .....AAAA  
 Langrall & Bro., J., 211 Aliceanna (P.) .....C  
 Numsen & Sons, W., 18 Light (V.; P.).....A  
 Van Lill Presg. Co., 108 Concord (P.) .....B  
**MASS.—Ayer**  
 Haynes-Piper Co. (Br. Boston) (C.; V.).....C  
**MASS.—Boston**  
 Barker, H., 88 Coml. (C.; V.) .....C  
 Budlong & Son Co., J. A., 9 Com. Whf. (Br. Prov., R. I.) (V.) .....A  
 Haynes-Piper Co., 124 Broad (C.; V.) .....C  
 Sherman Mfg. Co., R. I., 290 State (P.) .....C  
 Skilton, Foote & Co., Grocers' Exch. (V.; P.)...A  
 Von Laer & Co., J. P. W., 383 Atlantic Av. (P.)...C  
 Walker, C. W., 108 Coml. (C.; V.) .....C  
**MASS.—Lynnfield Center**  
 Gerry, E. F. (Cider) ....C

**CIDER, VINEGAR, &C.**  
**MASS.—South Acton**  
 Barker, H. (C.; V.).....C  
**MASS.—South Sherborn**  
 Holbrook & Sons, J. (C.; V.).....AA  
**MICH.—Benton Harbor**  
 Benton Fruit Products Co. (C.; V.; P.).....C  
 Robinson Cider & Vinegar Co. (C.; V.).....B  
**MICH.—Birmingham**  
 Erity & Nixon (C.; V.)....C  
**MICH.—Caro**  
 Caro Vinegar Co. (C.; V.) B  
**MICH.—Detroit**  
 Greenslade Oil Co., 38 Jefferson Av. (C.; V.)...A  
 Vaughan & Co., Wm. W., 316 River (P.).....B  
 Williams Bros. Co., River Av. (C.; V.; P.).....A  
**MICH.—Holly**  
 Heinz Co., H. J. (P.).....AAAA  
**MICH.—Lansing**  
 Genesee Fruit Co. (C.; V.) AA  
**MICH.—Muskegon**  
 Muskegon Bottling Wks. (C.; V.).....A  
**MICH.—Owosso**  
 Thomas, A. T. (C.; V.)...C  
**MICH.—Plainwell**  
 Williams Bros. Co. (Br. Detroit) (C.; V.; P.)...A  
**MICH.—Pontiac**  
 Watson & Gordon Vinegar Co. (C.; V.).....C  
**MICH.—Quincy**  
 Bunge & Kirby (P.)....A  
**MICH.—Saginaw**  
 Heinz Co., H. J. (P.).....AAAA  
 Oakland Vinegar & Pickle Co. (C.; V.; P.).....C  
**MICH.—Shelby**  
 Mikesell & Co., J. (C.; V.) B  
**MICH.—South Haven**  
 Barrett & Barrett (Br. Chicago, Ill.) (C.; V.)...AAA  
**MICH.—West Bay City**  
 Beutel Pickling & Canning Co. ....A  
**MINN.—Minneapolis**  
 Gedney Pickling Co., M. A., 32d Av. (C.; V.; P.) A  
**MINN.—St. Paul**  
 Barret & Barrett, 242 E. 4th (C.; V.).....C  
 Bock, C F. A., 5th (C.; V.) C  
 Drewry & Sons, 702 Payne Av. (C.; V.).....C  
 Gedney Pickling Co., M. A., 59 S. Wab. Av. ....A  
 Heinz Co., H. J., 45 E. Fillmore Av. (C.; V.; P.) AAAA  
**MISS.—Natchez**  
 Natchez Mol. & Vinegar Co. (C.; V.).....AA  
**MO.—Alexandria**  
 Anchor Pickle & Canning Works (P.).....A  
 Keokuk Pickle Co. (P.)...C  
**MO.—Caribou**  
 Dobson-Braun Mfg. Co., (P.) A  
**MO.—Clarksville**  
 Clarksville Cider Co. (C.; V.).....C  
**MO.—Independence**  
 Coombs Bro. & Cromwell (C.).....A  
**MO.—Kansas City**  
 Byers, Wm. 1st & Charlotte (C.; V.).....A  
 Coombs & Bros. B. F., 421 Walnut (C.; V.).....A  
 Heinz Co., H. J. (Br. Pittsburg, Pa.) (P.) AAAA  
 Monarch Vinegar Wks., Kemper Bldg. (C.; V.)...C  
**MO.—Kirksville**  
 Kirksville Canned Goods & Pickle Factory (P.).....B  
**MO.—St. Joseph**  
 Fuelling, L. (C.; V.)....B  
**CIDER, VINEGAR, &C.**  
 Hund & Eger, 421 N. 2d (C.; V.).....C  
**MO.—St. Louis**  
 Bayle, Geo. A., 113 So. 2d (V.; P.).....B  
 Belser & Co., Fred., 2d & Hempstead (S.).....A  
 Clarksville Cider Co., 213 N. 2d (C.; V.).....C  
 Dodson-Braun Mfg. Co., 3d & Cedar (C.; V.; P.)...AA  
 Globe Pickle Co., 1004 Collins (P.).....C  
 Gregory Vinegar Co., O. L., 1125 Poplar (C.; V.)...B  
 Haase & Sons, A. C. L., 415 N. 2d (P.).....A  
 Hansen Bros., 1017 N. 3d (S.).....A  
 Heinz, H. J. Co., 1446 N. Bway. (Br. Pittsburg, Pa.) (P.).....AAAA  
 Kaufman Mfg. Co., F. A., 106 S. 2d (C.; V.; S.)...C  
 National Molasses Co., 204 S. Main (C.; V.).....A  
 Red Cross Vinegar Co., 204 S. Main (C.; V.).....B  
 Schopp & Co., G. P., 721 N. 3d (S.).....B  
 Wagoner, J., 514 N. 2d (C.; V.; P.).....A  
**MO.—Springfield**  
 Scholten, Henry (C.; V.)...C  
**NEBR.—Nehawka**  
 Pollard & Son, Isaac (C.; V.).....C  
**NEBR.—Omaha**  
 Haarmann Bros., 1914 S. 20th (C.; V.; P.).....B  
 Haarmann Vinegar Co., 214 S. 12th (C.; V.).....B  
 N. H.—Concord  
 Haynes Piper Co. (C.; V.) C  
 N. H.—Durham  
 Griffith & Sons, J. B. (C.; V.).....C  
 N. J.—Irvington  
 Ball, P. (C.; V.).....B  
 N. J.—Jersey City  
 Steinberger, L., 496 Pavonia Av. (C.; V.).....C  
 N. J.—Mt. Holly  
 Chances Sons, R. C. (P.)..C  
 N. J.—Newark  
 Reitzel & Co., J. (C.; V.; P.).....C  
 N. J.—Williamstown  
 Alart & McGuire (Br. N. Y. City).....A  
 Souder & Clark (P.).....C  
 N. Y.—Albany  
 Heinz Co., H. J. (Br. Pittsburg, Pa.) (P.).....AAAA  
 N. Y.—Albion  
 Rogers, L. R. (C.).....C  
 N. Y.—Brooklyn  
 Bergen-Monagle Co., 45 Newell (P.).....C  
 Dowst's Sons, J. A., 181 Meserole (C.; V.).....B  
 Schlegal, John, 132 22d (C.; V.).....B  
 N. Y.—Buffalo  
 Buffalo Vinegar & Pres. Co., 642 Mich. ....B  
 Erie Preserving Co., 941 W. Feury (S.).....AAAA  
 Geutsch, S., 395 Hickory (C.; V.).....C  
 Geutsch's Sons, B. F., 232 Walnut .....C  
 Heinz Co., H. J., 106 Main (Br. Pittsburg, Pa.) AAAA  
 N. Y.—Canastota  
 Harrison & Co., (C.; V.)...A  
 Hubbard, F. F. (C.; V.)...C  
 N. Y.—Central Park  
 Central Park Pickle Wks. (P.; S.).....B  
 N. Y.—Clarendon  
 Genesee Fruit Co. (C.; V.) AA  
 N. Y.—Cortland  
 Cortland Pickling Co. (P.; S.).....B  
 N. Y.—Deansboro  
 Northrup, G. B. (C.; V.)...C

**CIDER, VINEGAR, &C.**

**N. Y.—Elmira**  
Eagle Bottling Works (C.) C

**N. Y.—Falconer**  
Geutsch's Sons, B. F. (P.) O

**N. Y.—Farmingdale**  
Central Park Pickle Wks.  
(P.; S.) .....B

**N. Y.—Holley**  
Genesee Fruit Co. (C.; V.) AA

**N. Y.—Islip**  
Islip Mustard & Pickle Co.  
(P.) .....C

**N. Y.—Kingston**  
Deyo, S. R. (C.; V.) ....C

**N. Y.—Le Roy**  
Le Roy Canning Co. (S.)...C

**N. Y.—Liverpool**  
Woerner Presg. & Packg.  
Co. (P.; S.) .....AA

**N. Y.—Lockport**  
Erie Presg. Co. (S.)....AA

**Geutsch's Son, B. F. (C.; V.; P.)** .....C

**Niagara Mfg. & Merc. Co. (S.)** .....C

**N. Y.—Long Island City**  
Pryor Bros. (C.; V.; P.)..B

**N. Y.—Mattituck**  
Alart & McGuire (Br. N. Y. City) .....A

**N. Y.—Medina**  
Heinz Co., H. J. (Br. Pittsburg, Pa.) (P.).....AAAA

**N. Y.—Merritts Corners**  
Allen, H. C. (C.; V.).....C

**N. Y.—Millwood**  
Allen, H. C. (C.; V.).....C

**N. Y.—Montrose**  
Sherwood, C. K. (C.; V.) B

**New York City**  
Alart & McGuire .....A

**American Fruit Product Co., 497 West (C.; V.)**.....AAAA

**Appar & Garretson, 83 Dey (C.; V.)** .....C

**Central Park Pickle Wks., 239 Bway. (P.; S.)**.....B

**Erie Preserving Co., 107 Hudson (S.)** .....AA

**Fahey, P., 223 E. 20th (P.)** .....B

**Falcon Packing Co., 158 Franklin (V.)** .....C

**Fleischmann Vinegar Wks., 630 W. 34th (C.; V.)**.....AAA

**Fuerst Bros. & Co., 2 Stone (C.; V.)** .....B

**Genesee Fruit Co., 501 West (C.; V.)** .....AA

**Harrison & Co., 45 Harrison (C.; V.)** .....A

**Heinz Co., H. J., 206 Spring (Br. Pittsburg, Pa.)** .....AAAA

**Israel & Cro., C., 490 Canal (P.)** .....B

**Kaufmann Bros., 50 Harrison (V.; P.; S.)**.....B

**Keller & Son, 319 E. 40th (P.)** .....C

**Ross & Bro., W. A., 11 S. William (Rasp.; V.)**...B

**Seville Packing Co., 202 Franklin (P.)**.....B

**Sherwood, C. K., 139 Franklin** .....B

**Williams Bros. C., 105 Hudson (P.)** .....A

**N. Y.—North Bloomfield**  
Ideson, J. (C.; V.) .....B

**N. Y.—Pen Yan**  
Borgmann, B. (C.).....O

**N. Y.—Port Dickinson**  
Ely Co., S. M. (P.).....AA

**N. Y.—Riverhead**  
Alart & McGuire (P.)....A

**N. Y.—Rochester**  
Albion Cider & Vinegar Co., 32 White (C.; V.).....C

**Doyle & Co., M. (V.)**.....A

**Fetzner, J. P., 220 N. Clinton (C.; V.)**.....C

**Genesee Fruit Co. (C.; V.)** AA

**N. Y.—Spencerport**  
Pettingill-Foster Co., (C.; V.) .....A

**CIDER, VINEGAR, &C.**

**N. Y.—Syracuse**  
Windholz, L. (C.; V.)...B

**N. Y.—Tonawanda**  
Niagara Cider & Vinegar Wks. (C.; V.) .....A

**N. Y.—Voorheesville**  
Empire Cider & Vinegar Co. (C.; V.) .....C

**N. Y.—Wantagh**  
Kaufman Bros. (P.; S.)..B

**N. Y.—Webster**  
Webster Pres. Co. (S.)....B

**N. Y.—West Charlton**  
Gilchrist, A. & T. M. (C.; V.) .....A

**OHIO—Cincinnati**  
Heinz Co., A. J., 918 Sycamore (Br. Pittsburg, Pa.) (C.; V.; P.).....AAAA

**Miller Vin & Pickle Co., 1272 Harrison Av.**.....C

**Weller Co., J., Spring Grove & Ala. Aves.** .....A

**OHIO—Cleveland**  
Heinz Co., H. J., 99 Woodland Av. (Br. Pittsburg, Pa.) .....AAAA

**Jankovsky, F. J., 1284 Bway. (V.; P.)** .....B

**Williams Bros. (C.; V.)**..B

**OHIO—Clyde**  
Comstock & Hessman (S.)..B

**OHIO—Columbus**  
Heinz Co., H. J. (Br. Pittsburg, Pa.) (P.) .....AAAA

**OHIO—Creston**  
Lutz & Schramm Co. (C.; V.; P.) .....A

**OHIO—Hill Grove**  
Denlinger, J. (C.; V.) ....C

**OHIO—Oak Harbor**  
Weller Co., J. (P.).....A

**OHIO—Shinrock**  
Hine, W. H. (C.; V.).....B

**OHIO—Smithville**  
Weller Co., J. (P.).....A

**OHIO—Toledo**  
Hine, T. B. (C.; V.).....B

**Leroux Cider & Vinegar Co.** B

**OHIO—Wooster**  
Wooster Pres. Co. (P.; S.) B

**PA.—Allegheny**  
Cruikshank Bros. Co. (C.; V.; P.) .....B

**Lurtz & Schramm Co.**...AA

**Vogel Co., Frank (C.; V.; P.)** .....C

**PA.—Allentown**  
Gossler Oil Co., J. R. (C.; V.) .....B

**Schaadt & Co., T. (P.)**...B

**PA.—Erie**  
Werner Vinegar & Pickling Wks. ....A

**PA.—Fairview**  
Hauck, Jos. H. (C.; V.)...C

**PA.—Philadelphia**  
Alart & McGuire, 126 Cuthbert .....A

**Chance's Sons, R. C., 433 Spruce (P.)**.....C

**Erdmanns Sons, H., 1811 Fkd. Av. (C.; V.)**.....C

**Fehrley, J. F., 2024 E. Fletcher (C.; V.)**.....C

**Haney, S. W., 2313 Ridge Av. (C.; V.; P.)**.....C

**Philadelphia Vinegar Co., 1523 S. Front (V.)**.....B

**Ritter Conserve Co., P. J., 2156 E. Dauphin (C.; V.)** A

**PA.—Pittsburg**  
Continental Pickle & Canning Co., Monon Bank Bldg. (P.; S.).....A

**Hirsch Bros. & Co., 59 Carson (C.; V.; P.)**...B

**Heinz Co., H. J.**.....AAAA

**PA.—Pleasant Hall**  
Minehart & Hoover (C.; V.) C

**PA.—Sonora**  
Macomber, G. A. & F. S. (C.; V.; P.) .....A

**PA.—Sterrettania**  
Hauck, J. H. (C.; V.)...C

**PA.—Vinemont**  
Shearer, Sol. (C.; V.)....B

**CIDER, VINEGAR, &C.**

**R. I.—Providence**  
 Budlong & Son Co., J. A.  
 (C.; V.; P.).....A  
**S. C.—Charleston**  
 Charleston Cider & Vinegar  
 Co. (C.; V.).....B  
**TENN.—Bristol**  
 Andrews Mfg. Co., (C.)...C  
**TENN.—Chattanooga**  
 Heinz Co., H. J. (Br. Pitts-  
 burg, Pa.).....AAAA  
**TENN.—Memphis**  
 Bluff City Bottling Co. (C.;  
 V.).....B  
 Chickasaw Cider & Vinegar  
 Co. (C.; V.).....AA  
 Ozark Fruit Co. (C.; V.) C  
**TENN.—Nashville**  
 Heinz Co., H. J. (Br. Pitts-  
 burg, Pa.).....AAAA  
**TEXAS—Dallas**  
 Hughes Bros. Mfg. Co., (C.;  
 V.; P.).....A  
**TEXAS—Galveston**  
 Southern Coffee Co. (V.)...C  
**VT.—Brattleboro**  
 Brattleboro Jelly Co. (Inc.)  
 (C.; V.; P.).....B  
**VT.—Fair Haven**  
 Allen, S. (P.).....B  
**VT.—Newport**  
 Vermont Preserving Wks.  
 (P.).....A  
**VA.—Craig City**  
 Penna. Canning Co. (P.)...C  
**VA.—Portsmouth**  
 Va. Chemical & Mfg. Co.  
 (C.; V.).....B  
**VA.—Richmond**  
 Gregory Vinegar Co. (C.;  
 V.).....B  
**VA.—Springwood**  
 Penna. Canning Co. (P.)...C  
**VA.—Suffolk**  
 McAnge & Co., W. N. (P.)  
 C  
**VA.—Winchester**  
 Unfermented Juice & Cider  
 Co. (C.; V.).....C  
 Valley Cider & Vinegar Co.  
 (C.; V.).....C  
**W. VA.—Wheeling**  
 Exley, Watkins & Co.....B  
 Flaccus Bros. (C.; V.; P.)  
 A  
 Flaccus Co., E. C. (C.; V.;  
 P.).....C  
 McMechen & Son (P.)...A  
**WIS.—Cassville**  
 Klindt & Geiger Canning  
 Co. (P.; S.).....A  
**WIS.—Duplainville**  
 Roth Vinegar & Pickle Co.  
 (C.; V.; P.).....C  
**WIS.—Green Bay**  
 Alart & McGuire.....A  
 Larsen & Co., Wm. (S.)...A  
**WIS.—Janesville**  
 Hohenadel & Co., P., Jr.  
 (P.).....A  
**WIS.—Manitowac**  
 Richter & Sons, A. M.  
 (C.; V.; P.).....C  
**WIS.—Milwaukee**  
 American Vinegar & Pickle  
 Wrks, 294 Bway. (C.; V.;  
 P.).....C  
 Dahinden & Gallasch Mfg.  
 Co., 500 Mil. (C.; V.)...C  
 Grossenbach & Co., A. (S.)  
 C  
 Milwaukee Vinegar Co., 456  
 Va. (C.; V.).....AAA  
 Roth Vinegar & Pickle Co.,  
 720 Poplar (C.; V.; P.)...C  
**WIS.—Racine**  
 Glaser, Kohn & Co. (P.)...A  
 Gunther Co., F. W. (S.)...B  
**WIS.—Ripon**  
 Ripon Packing Co. (S.)...C  
**WIS.—Wauwatosa**  
 Milwaukee Pickle Co. (P.)  
 C

**CIGARETTES**

**CAL.—San Francisco**  
 Bohls & Co., H., 244 Fre-  
 mont.....C  
 Bollman & Co., J., 695 Front  
 C

**CIGARETTES (Con.)**

**GA.—Atlanta**  
 E. E. M. Co., 23 W. Ala...B  
**KY.—Louisville**  
 American Tobacco Co., AAAA  
**LA.—New Orleans**  
 Irby, W. R. (Br. American  
 Tob. Co., Ltd.) 400 S.  
 Peters.....AAAA  
**MD.—Baltimore**  
 Neudecker, L. H., 701 E.  
 Lombard.....A  
**MICH.—Detroit**  
 Scotten-Dillon Co., Fort W.  
 & Campan.....AAAA  
**New York City**  
 American Tobacco Co., 509  
 W. 22d.....AAAA  
 Amargyros, S., 111 5th Av.  
 A  
 Cork Tip Cigarette Co., 205  
 West.....F  
 Duke Sons & Co., W. (Br.)  
 513 W. 22d.....AAAA  
 Egyptian Tob. Co., 319 Bow-  
 eryl.....C  
 Kinney Bros. (Br.).....AAAA  
 Mackler M., 11 Essex...H  
 Monopol Tob. Wks., 250 W.  
 27th.....C  
 Prudential Tob. Co., 182  
 Grand.....E  
 Schinasi Bros., 48 Broad..D  
**N. Y.—Rochester**  
 Kimball & Co., Wm. S., 18  
 Court.....AAAA  
**N. C.—Durham**  
 Duke Sons & Co., W. AAAA  
**N. C.—Wilson**  
 Wells-Whitehead Tobacco  
 Co.....C  
**OHIO—Cincinnati**  
 Lucke & Co., J. H. (all Tob.)  
 Lucke Blk.....A  
**VA.—Richmond**  
 Allen & Ginter (Br.) 100  
 Seventh South.....AAAA  
 Cameron & Cameron, 15  
 Twenty Four South AAA

**CIGARS**

**ALA.—Mobile**  
 Hahn & Co., S. L.....A  
**CAL.—San Francisco**  
 Bachman & Co., 418 Market  
 AAA  
 Gunst & Co., M. A., 23  
 Kearny.....A  
 Plageman & Co., H., 709  
 Market.....B  
**COLO.—Denver**  
 Best & Son, J. D.....A  
 Colorado Cigar Co.....C  
 Fehr, Wm.....B  
 Friedman & Co., A.....B  
 Hyman Cigar & Imp. Co...C  
 Prince & Co., A.....B  
 Silver State Cigar Co....C  
 Solis Cigar Co.....A  
 Stickney Cigar Co., W. A., A  
 Theis, F.....A  
 Weingartner & Sons.....C  
**CONN.—Hartford**  
 Soby, C.....A  
**CONN.—New Haven**  
 Grave, F. D.....A  
 Matton, A. W.....C  
 Moeller, C. A.....AA  
 Osterweiss & Son, L....AA  
 Stoddard & Co., G.....AA  
**D. C.—Washington**  
 Henderson & Co., W. A., B  
 Offerdinger, H. T.....C  
 Pond, W. G., 1316 F. N. W.  
 C  
**FLA.—Tampa**  
 Ballard & Co., A. B.....B  
 Benjamin, G. N.....B  
 Cnesta & Co.....B  
 Morey & Co.....B  
 San & Co., M. P.....B  
**GA.—Cairo**  
 Roddenbery, W. B.....D  
**ILL.—Carlton**  
 Armstrong, Co.....B  
 Dean Co., W. O.....A  
 De Vilbiss Co., J.....B  
 Eyerley & Bros., W. H...B  
 Savill & Rafferty.....B  
**ILL.—Chicago**  
 Behrendt, H., 348 W. 12th  
 B  
 Berriman Bros., 155 Wash.  
 A

# **CIGARS (Con.)**

Cohen & Bros., S., 134 Van Buren .....C  
 Franklin & Co., H. B. ....C  
 Gonzaley, Mara & Co. ....AA  
 Heegaard & Co., W., H. Lake & State .....B  
 Newman & Ullman .....A  
**ILL.—Peoria**  
 Lewis, F. P. ....B  
**ILL.—Pittsfield**  
 Hirschmer & Bros., L. D., A  
**ILL.—Quincy**  
 Kingshaker, M. ....A  
**ILL.—Rockford**  
 Lewis & Bros., F. ....U  
**ILL.—Springfield**  
 Schoettker & Gehring ....B  
**ILL.—Urbana**  
 Cohen, N. H. ....B  
**ILL.—Winchester**  
 Smith, D. ....B  
**IND.—Fort Wayne**  
 Eckert J. C. ....B  
**IND.—Indianapolis**  
 Indiana Cigar Co. ....C  
 Kaufman & Son, B. ....A  
 Meyer & Bro., C. F. ....A  
 Patton Bros. ....C  
 Woodford & Pohlman ....B  
**IND.—Vincennes**  
 Schmidt, Jos. ....B  
**IOWA.—Dubuque**  
 Myers & Co., Cox. ....A  
**KY.—Louisville**  
 Bakrow & Bro., R. D. ....B  
 Bickel Co., C. C. (Inc.)..AA  
 Hetterman Bros. Co. ....AA  
 Resch Bros., E. E. ....AA  
 Stier & Son, J. T. ....C  
**MAINE.—Portland**  
 Guppy & Co., C. H. ....C  
**MD.—Baltimore**  
 Bond & Co., 417 Exchange Place .....C  
 Kraus & Co. ....B  
 Newdecker, L. H., 701 E. Louisville .....A  
**MASS.—Boston**  
 Walitt & Bond, 67 Endicott AAAAA  
**MASS.—Lynn**  
 Hefferman & Co., E. ....AA  
 P. W. C. Cigars Co. ....B  
**MASS.—Westfield**  
 American Cigar Co. ....B  
 Eastern Cigar Co. ....B  
 Towne, Fuller Co. ....B  
**MICH.—Adrain**  
 Moreland Bros. & Crane..B  
**MICH.—Detroit**  
 Banner Cigar Mfg. Co. ...B  
 Brown Bros. Co. ....AA  
 Collins & Co., C. P. ....B  
 Detroit Cigar Mfg. Co. ...B  
 Gordon, A. ....C  
 Moebis & Co., W. D. C., 92 Woodward Av. ....A  
 Stender, H. H. ....B  
 Woodhouse & Co., J. T..B  
**MICH.—Grand Rapids**  
 Johnson Cigar Co., G. J..C  
 Reynolds, B. J. ....C  
 Schnelder Co., H. ....C  
 Trench & Bro., M. H....B  
**MICH.—Pontiac**  
 Mascotte Cigar Co. ....B  
**MINN.—Minneapolis**  
 Conrad & Co., 410 Nicollet Av. ....C  
**MINN.—St. Paul**  
 Conrad, W. S., 341 Jackson C  
 Fetsch, A. ....C  
 Hart & Murphy, 455 Jackson B  
 Kuhles & Stock .....A  
 Mark Bros., 383 Wabasha, C  
 Sexton & Co. ....A  
**MO.—Hannibal**  
 Holmes Dakin Cigar Co. ..B  
 Rendlen, T. G. ....C  
**MO.—Kansas City**  
 Hopkins & Woodbury, 425 Delaware .....B  
 Lederman, F. W. ....B  
 Moores & Son, W. P. ....C  
 Morrill Powers Merc. Co., 610 Wyandotte .....A  
 Reardon & Co., E. J. ....B  
 Stickney Cigar Co., W. A. A  
 Switzer Cigar Co., 603 Main A  
**MO.—St. Joseph**  
 Stewart Bros. ....C

# **CIGARS (Con.)**

**MO.—St. Louis**  
 Rice Merc. Cigar Co., F. R., 305 N. 4th .....A  
 Shryock-Johnson Mfg. Co., 21 S. 4th .....U  
**MONT.—Anaconda**  
 Collins & Co., J. V. ....A  
**MONT.—Butte**  
 Browne & Flanagan .....C  
 Cohn, L. S. ....A  
 Caplice Commercial Co. ..B  
 Pincus, A. ....B  
**MONT.—Great Falls**  
 Bateman-Switzer Co. ....B  
 Silverman-Wallenstein ...B  
**MONT.—Helena**  
 Goodkin Bros. ....A  
 Oppenheimer & Asch .....C  
 Switzer Co., J. ....B  
**MONT.—Missoula**  
 Garden City Bottling & Liquor Co. ....B  
 Mentrum-Briggs Co. ....C  
**NEBR.—Lincoln**  
 Brown & Co., F. A. ....C  
**NEBR.—Omaha**  
 Kiplinger, O. D. ....C  
 Riley Bros. ....A  
**N. H.—Manchester**  
 Sullivan, R. G. ....A  
**N. J.—Camden**  
 Bosch, C. ....C  
**N. J.—Jersey City**  
 Edelstein, J. ....A  
 Gotthardt & Co., W. ....C  
 Mayer Bros. ....B  
**N. J.—Newark**  
 Osborn & Co., D. ....A  
**N. J.—New Brunswick**  
 Hirschhorn, Mack & Co., AA  
**N. J.—Rutherford**  
 Muehling, T. ....C  
**N. J.—Trenton**  
 Grumbacher, J. ....B  
**N. MEX.—Albuquerque**  
 Abel, D. J. ....B  
**N. Y.—Albany**  
 Levy & Bros., S. ....B  
 Van Slyke & Horton ....A  
**N. Y.—Binghamton**  
 Barlow-Rood Co. ....AA  
 Barnes, Smith & Co. ....C  
 Binghamton Cigar Co. ...B  
 Hummell & Co. ....A  
 Hull, Grummond & Co..AA  
 Kent & Co., G. A. ....AA  
 Wells & Co., C. C. ....C  
**N. Y.—Brooklyn**  
 Dressner Bros., 183 Fulton B  
 Mugge & Treckman, 105 Liberty .....B  
 Schwager, L., 325 Wash..B  
 Sullivan, P. J., 56 Fulton..C  
**N. Y.—Buffalo**  
 Breitwieser, H. & J. ....A  
 Donovan, C. J. ....B  
 Levrn, S. ....C  
 Superior Cigar Co. ....C  
 Wagner & Son. ....B  
**N. Y.—Elmira**  
 Brown & Co., T. A. ....C  
**N. Y.—Glens Falls**  
 Hitchcock & Co., C. H. ..C  
**N. Y.—Ithaca**  
 Platts & Co., A. H. ....A  
 Stewart & Co., D. B. ....A  
**N. Y.—Jamestown**  
 Heineman, L. ....C  
 Tinkham Bros. ....C  
**N. Y.—Lansingburg**  
 Mills, T. ....A  
**N. Y.—Lockport**  
 Moore, H. H. ....C  
**N. Y.—Medina**  
 Cook & Co., S. A. ....B  
**New York City**  
 Adrain, M. J., 472 Grand AAAAA  
 Amo, Ortiz & Co., 135 Front C  
 Barranco, L. A., 192 Water A  
 Batt & Co., S., 47 Murray.A  
 Castro & Co., M. J., 136 Water .....B  
 Cohen Cigar Co., 170 E. 127th .....A  
 Condit, S. G., 445 E. 10th..A  
 Davis & Co., S. I., 520 E. 81st .....B  
 Faber, G. W., 36 Beaver..B  
 Falk's Sons S., 5 Burling Slip .....B  
 Foster & Co., M., 1050 3d

# **CIGARS (Con.)**

Av. . . . . AA  
 Frank & Co., D. M., 801 3d  
 Av. . . . . B  
 Garcia & Bros., F., 126  
 Chambers . . . . . B  
 Garcia, Pando & Co., 48  
 Franklin . . . . . C  
 Garcia, Vega & Carcaba, 34  
 E. 59th . . . . . C  
 Gato Cigar Co., E. H., 38  
 Beaver . . . . . AAAA  
 Ghio & Rovira, 209 E. 37th  
 Av. . . . . AAA  
 Glacalm & Sons, W., 302 E.  
 45th . . . . . A  
 Glackner, J., 59 Cortlandt  
 B  
 Guedalia & Co., 403 E. 62d B  
 Harburger, Homan & Co.,  
 1510 Av. A . . . . . AA  
 Harris, L. A., 136 Front . . C  
 Hart, H. C., 78 Park Row. B  
 Havana Commercial Co., 711  
 5th Av. . . . . AAAA  
 Heert & Co., H. H., 112  
 Murray . . . . . AA  
 Heyman Bros. & Lowenstein,  
 430 E. 59th . . . . . AA  
 Hillson Co., 671 1st Av. . . AA  
 Hirschhorn, Mack & Co.,  
 1271 Av. A . . . . . AA  
 Jacobs & Co., C., 355 E. 78th  
 C  
 Jacoby, H., 331 Bowery AA  
 Jacoby M. & Co., 342 E. 38th  
 Av. . . . . AA  
 Kalm & Co., M., 1387 Av. A.  
 A  
 Kaiser & King, 208 E. 56th  
 C  
 Kaufmann, A. L. & A. G.,  
 570 1st Av. . . . . A  
 Kerbs, Wertheim & Schiffer,  
 1018 2d Av. . . . . AAAA  
 Levy & Co., S., 212 E. 99th  
 A  
 Lewis & Co., L., 835 Bway.  
 A  
 McCoy & Co., 190 Av. C. . . AA  
 Mendel & Bro., M. W., 17  
 Bowery . . . . . AAAA  
 Mertens & Son, F. W., 446  
 E. 75th . . . . . A  
 Miller & Sons, L., 155 Cros-  
 by . . . . . AA  
 Muller & Son, H., 103 Prince  
 B  
 Nicholas, G. S., 43 Beaver  
 AA  
 Nichols & Co., G. W., 47  
 Warren . . . . . A  
 Otenburg & Bros., S., 1615  
 2d Av. . . . . AA  
 Pendas & Alvarez, 209 Pearl  
 AAA  
 Perez Co., M., 23 Warren. C  
 Perez, Rodriguez & Co., 118  
 Pearl . . . . . C  
 Pohalski & Co., P., 203 W.  
 Bway. . . . . B  
 Razzetti Bros., 458 W.  
 Bway. . . . . B  
 Regensburg & Sons, E. 164  
 Canal . . . . . A  
 Rodriguez, S., 130 Water. A  
 Rodohl Bros., 353 E. 20th. B  
 Rosen, J. H., 3621 3d Av. . C  
 Rosenthal Bros., 851 E. 73d  
 AA  
 Rosenwald & Bro., E., 145  
 Water . . . . . AAAA  
 Sanchez & Hayer Co., 191  
 Fulton . . . . . AA  
 Schwab, L., 1105 Bway. . . C  
 Schwarz & Co., E. M., 234 E.  
 73d . . . . . A  
 Seidenberg & Co., S., 9 E.  
 59th . . . . . C  
 Seidenberg Co., 280 Green-  
 wich . . . . . AA  
 Seidenberg, StiKfel & Co.,  
 1985 1st Av. . . . . B  
 Seidenberg & Co., 8 E. 42d  
 AA  
 Siegel, A., 146 E. 58th . . . C  
 Silverthan & Co., M., 336 E.  
 98th . . . . . A  
 Stachelberg & Co., M., 385  
 W. Bway. . . . . AA  
 Stahl, Jr. & Co., Jacob. 3d  
 Av. & 168th . . . . . AA  
 Stark & Co., L., 802 5th . . B  
 Starlight Bros., 172 Pearl. A  
 Storm & Co., G.G L., 24  
 Murray . . . . . B

# **CIGARS (Con.)**

Strickland, S. S., 233 Green-  
 wich . . . . . C  
 Telchmann & Co., J. I., 222  
 Greenwich . . . . . C  
 Upman, C., 408 E. 59th. AA  
 Walter & Co., H., E. 1295 2d  
 Av. . . . . B  
 Wasserman Co., B., 77  
 Chambers . . . . . AA  
 Worms & Co., A., 314 E. 22d  
 B  
 Worms, Kaufman & Co., 348  
 E. 23d . . . . . A  
 N. Y.—Ogdensburg  
 Hannan Bros. . . . . A  
 N. Y.—Oneida  
 Powell & Goldstein . . . . A  
 N. Y.—Oneonta  
 Doyle & Smith . . . . . A  
 N. Y.—Ossining  
 Mezgar, W. F. . . . . C  
 N. Y.—Palmyra  
 Williamson Bros. . . . . B  
 N. Y.—Peekskill  
 Martin, J. F. . . . . C  
 N. Y.—Plattsburg  
 Levy Bros. . . . . B  
 N. Y.—Poughkeepsie  
 Schwartz & Sons, J. . . . . B  
 N. Y.—Red Hook  
 Hoffman & Co. . . . . AA  
 N. Y.—Riverhead  
 Nevins & Sons, J. H. . . . . B  
 N. Y.—Rochester  
 Brewster, H. P. . . . . A  
 Conway & Bros., H. L. . . . B  
 Hess & Co., S. F. . . . . B  
 Lowell, E. A. . . . . B  
 McLennan, D. J. . . . . C  
 McSweeney, E. . . . . C  
 Matthews & Servis Co. . . . B  
 N. Y.—Salamanca  
 Fish, W. W. & C. S. . . . . A  
 N. Y.—Saratoga Springs  
 Goldsmith, B. J. . . . . A  
 N. Y.—Syracuse  
 Barnes, J. W. & C. W. . . . . C  
 Nodine, W. H. . . . . C  
 Seubert, J. . . . . B  
 Syracuse Cigar & Tobacco  
 Co. . . . . A  
 Whelan & Co., C. A. . . . . A  
 Whelan Supply Co. . . . . C  
 N. Y.—Troy  
 Fitzpatrick, W. . . . . B  
 N. Y.—Unadilla  
 Mulford & Sons . . . . . C  
 N. Y.—Utica  
 Kendricks & Co., F. M. . . . B  
 Killian, Hoffman & Co. . . . B  
 Kirkland Bros. . . . . C  
 Stevens & Lockhart . . . . . C  
 N. Y.—Watertown  
 Cadwell & Son, H. V. . . . . C  
 Nill & Jess . . . . . A  
 N. Y.—Waverly  
 Ferguson & Co., H. M. . . . C  
 N. Y.—Wellsville  
 Wellsville Tobacco Co. . . . A  
 N. C.—Wilmington  
 Bear & Co., S. . . . . B  
 N. DAK.—Fargo  
 Gardner & Co., F. C. . . . . C  
 OHIO—Chillicothe  
 Kramer & Son, Adam . . . . C  
 OHIO—Cincinnati  
 Davis & Sons Co., A. . . . . A  
 Fritz Bros., Race & Canal  
 AA  
 Lucke & Co., J. H., Lucke  
 Block . . . . . A  
 Tietig & Co., H., 119 E. 6th  
 A  
 OHIO—Dayton  
 Ferneding-Heymann Co. . . . A  
 Mahrt Co., H. C. . . . . A  
 Riddle Graff & Co. . . . . A  
 OHIO—East Liverpool  
 Peach & Son, Geo. . . . . C  
 OHIO—Lancaster  
 Cherry & Co., J. F. . . . . A  
 OHIO—Lima  
 Tigner, W. M. . . . . B  
 OHIO—Mansfield  
 Rigby, J. A. . . . . A  
 OHIO—Newark  
 Sprague, Geo. B. . . . . X  
 Styron, Beggs & Co. . . . . A  
 Swisher Bros. . . . . A  
 OHIO—Sandusky  
 Ritter & Son, Hy . . . . . B  
 OHIO—Springfield  
 Rosart & Co., L. W. . . . . C  
 OREGON—Portland  
 Wsberg-Gunot Cigar Co. . . . A

# CIGARS (Con.)

Meyer, J. D. ....C  
PA.—Adamstown  
Stork & Son, W. R. ....C  
PA.—Allentown  
Jarrett Benj. ....C  
Ruhe Bros. Co. ....B  
PA.—Altoona  
Blake Tobacco Co. ....B  
Blumenthal, J. ....B  
Cunningham Tobacco Co., A  
Reid Tobacco Co. ....A  
Wolfe & Bro., W. H. ....A  
PA.—Bethlehem  
Applegate, W. M. ....B  
PA.—Boyetown  
Erb & Co., D. S. ....C  
PA.—Braddock  
Rosenbloom, M. ....C  
PA.—Bradford  
Collins & Co., P. R. ....B  
Mayer & Co., A. ....B  
PA.—Carlisle  
Livingston & Co., J. ....A  
PA.—Chester  
McClure, W. J. ....A  
PA.—Clarion  
Selker Cigar Co. ....C  
PA.—Coopersburg  
Stephens, John S. ....C  
PA.—Corry  
Hull & Co., N. W. ....B  
PA.—Cressman  
Reiter, J. W. ....B  
PA.—Dallastown  
Heckert, J. C. ....B  
Minnich, J. W. ....C  
Peters, Jr., W. H. ....C  
Spatz & Son, J. F. ....C  
PA.—East Prospect  
Oleweiler, L. E. ....C  
PA.—Ephrata  
Eshleman, J. W. ....C  
Mentzer & Sons, A. W. ....A  
Walker, J. H. ....B  
PA.—Erie  
Wingerten Bros. ....B  
PA.—Hanover  
Blair & Co., H. E. ....C  
Frysinger, Jr., J. ....C  
PA.—Hanover Junction  
Glatfelter, H. J. ....C  
PA.—Hasleton  
Schwartz Co., Wm. ....B  
PA.—Hellam  
Gable & Co. ....C  
PA.—Hopeland  
Bingeman, S. H. ....C  
PA.—Lancaster  
Albright & Bros., J. ....C  
Banner Cigar Co. ....AA  
Dosch, J. J. ....C  
Metzger Cigar Co., J. L. ....A  
Moss Cigar Co., S. R. ....AA  
Oblinger Bros. Co. ....A  
Penn Cigar Co. ....A  
Schnader & Sons ....B  
Slater & Co., J. ....B  
Weaver Isaac H. ....A  
Zook, J. G. ....A  
PA.—Lebanon  
Long & Son, D. B. ....B  
Meredith & Rebstock ....C  
PA.—Littitz  
Bricker & Co., J. R. ....C  
PA.—Lock Haven  
Harmon, T. H. ....B  
Stern, A. ....C  
PA.—McSherrytown  
Johns, S. L. ....AA  
Polst & Co., J. A. ....B  
Smith Sons & Co. ....C  
PA.—Mansfield  
Ross Cigar Co. ....A  
PA.—Meadville  
Stern, S. ....C  
PA.—Media  
Burdall & Adams ....C  
PA.—Newmanstown  
Witte, J. H. ....C  
PA.—Norristown  
Gresh & Sons, W. K. ....A  
PA.—North Wales  
Weingartner's Sons, J. ....C  
PA.—Olyphant  
Lackawanna Cigar Co. ....C  
PA.—Philadelphia  
Blanco, W., 439 Arch. ....C  
Duncan & Moorhead, 511  
Chestnut ....B  
Dunn & Co., T. J., 210 N.  
Broad ....A  
Eisenlohr & Bros., 940 Mar-  
ket ....A  
Fulweiler & Bro., P. C., 927  
Sansome ....B

# CIGARS (Con.)

Granley, H. B., 527 Chest-  
nut ....B  
Hoch & Sons, G., 248 N. 8th  
B  
Holland, J., 2203 South ...C  
Koenig, A., 203 Callowhill, C  
Kuhn & Bro., F., 437 Girard  
Av. ....B  
Langsdorf's Sons, J., 553 N.  
5th ....A  
Lowengrund, I., 248 Market  
B  
Miller Bros., 411 Market. B  
Narrigan & Co., H. D., 617  
Arch ....B  
Nolan & Co., H. C., 184 N.  
3d ....C  
Oblinger Bros., 615 Market  
A  
Portuondo Cigar Co., 1116  
Sansome ....A  
Portuondo, V., 506 Chestnut  
C  
Quinn, A. F., 2619 Ktn. Av.  
A  
Roig & Langsdorf (Ltd.) 817  
N. 7th ....B  
Stewart Newburger & Co.,  
29 N. 4th ....B  
Teller & Co., F., 125 S. 2d, A  
Theobald & Oppenheimer,  
111 N. 8d ....AA  
Tuck & Co., J. E., 12 Mar-  
ket ....C  
Viana & Son, D., 1834 Col-  
umbia Av. ....B  
Warnbach, F., 2218 N. Front  
B  
Warner, C. J., 820 Green. B  
PA.—Pittsburg  
Goldsmith Bros. & Co. ....B  
Jenkinson & Co., R. W. ....A  
Locke, A. J. ....C  
McClurg Co., J., 414 6th Av.  
AA  
Vockrodt & Wagner, 210  
Wood ....C  
Zeugschmidt Bros. ....B  
PA.—Pottstown  
Evans, J. W. ....B  
PA.—Pottsville  
Boyer, W. E. (Est.) ....AA  
Hause, F. ....A  
PA.—Reading  
Dibert Bros. ....B  
Fehr, J. U. ....C  
Yocum Bros. ....AA  
PA.—Reamstown  
Root, J. G. ....C  
PA.—Red Hill  
Miller, L. B. ....C  
PA.—Red Lion  
Rost & Co., C. A. ....C  
PA.—Richland Station  
Klopp, S. ....C  
Moore & Lanning ....C  
PA.—Rothsville  
Usner, J. G. ....B  
PA.—Scranton  
Garney, Brown & Co. ....A  
Stoll & Co., O. P. ....C  
PA.—Sellersville  
Cressmans Sons ....C  
PA.—Somnertown  
Shively, C. F. ....B  
PA.—Terre Hill  
Watts, S. S. ....C  
PA.—Titusville  
Westheimer & Bros. ....C  
PA.—Washington  
Slater, John ....B  
PA.—West Manchester  
Baer, Sprengle Co. ....A  
Natl. Cigar Mfg. Co. ....A  
PA.—Wilkesbarre  
Cohen, S. ....B  
Horn & Son, M. ....C  
Tisch, L. ....A  
PA.—Womelsdorf  
Fidler & Co., H. F. ....B  
Hackman, H. D. ....B  
Shaffner & Co., W. ....B  
PA.—Yeo  
Kohler & Co., G. A. ....B  
PA.—York  
Baylor, C. A. ....B  
Beck & Sons, E. C. ....C  
Celestino & Co., C. ....A  
Frysinger, C. ....B  
Leiphart, H. C. ....B  
Mayer & Bros., J. A. ....A  
Myers, Adams & Co. ....A  
Myers & Co., F. E. ....A  
Sonneman, A. ....C  
Stallman, C. H. ....B



## CIGARS (Con.)

Stiles, J. H. ....	C
R. L.—Providence	
Anthony & Co., J. M. ....	C
Rose & Co., R. L. ....	A
S. C.—Charleston	
Follin Bros. ....	B
TENN.—Chattanooga	
Peoples & Pitner Bros ....	B
TENN.—Memphis	
Botto, V. F. & D. ....	A
Goodman Bros. ....	AA
Harpmann & Bro. ....	B
Lee & Marton ....	C
Podesta Bros. ....	B
Samelsow & Co., I. ....	A
Sternberg & Sons ....	A
Vaccaro Cigar & Liquor Co. ....	C
TEXAS—Dallas	
Block Bros ....	C
Eppstein & Co., E. ....	A
Martinez, P. P. ....	A
TEXAS—El Paso	
Kohlberg Bros ....	B
Pfaff, Hy. ....	B
TEXAS—Fort Worth	
Casey, Martin & Co. ....	C
Casey, Swasey Co. ....	A
TEXAS—Houston	
Japhet & Co. ....	B
Loewenstein, James ....	C
TEXAS—Waco	
Archenhold Co. ....	B
UTAH—Salt Lake City	
Hewlett Bros. & Co. ....	B
Kahn Bros. ....	A
Nelson Judson Drug Co. ....	A
Rogers Cigar Co. ....	B
Symms Utah Grocer Co. ....	B
VT.—Burlington	
Arbuckle Co. ....	B
Reed & Co., J. G. ....	B
VA.—Alexandria	
Old Dominion Cigar Co. ....	C
VA.—Chatham	
Riddle & Hargrave ....	A
VA.—Norfolk	
Davis, L. W. ....	C
Oberndorfer & Co. ....	C
Straus, Gunst & Co. ....	B
VA.—Winchester	
Evans & Co., E. J. ....	B
WASH.—Seattle	
Coblentz, D. & A. ....	C
Gottstein, M. & K. ....	A
Kreiselshelmer Bros ....	B
Levy Co., M. ....	B
Schwabacher Bros. & Co. ....	AA
WASH.—Spokane	
Durkin, James ....	C
Grinafelder & Co., W. S. ....	B
W. VA.—Wheeling	
Pollack, Augustus ....	AA
Marsh & Son, M. ....	C
Miller, J. F. ....	C
Muhn & Brandfass ....	C
WIS.—Appleton	
Schmidt, L. C. ....	C
WIS.—La Crosse	
Pamperlin & Wiggenharm	
Cigar Co. ....	B
WIS.—Milwaukee	
Goodrich & Co., A. C. ....	C
Graf & Bauerlein ....	A
Kindling & Co., L. ....	C
Roth, L. ....	A
WIS.—Platteville	
Sickle & Co., M. S. ....	C
WIS.—Watertown	
Wiggenhorn Bros. ....	B
WYO.—Cheyenne	
Idleman Bros. ....	A

## CINCHES

See also Saddlery & Harness

MO.—St. Louis	
Straus Saddlery Co., Jacob. ....	A
N. J.—Newark	
Peters Harness & Saddlery Co. ....	C
WIS.—Milwaukee	
Gem Hammock & Fly Net Co. ....	A

## CINCHONA

New York City	
Honkins & Co., J. L., 100 William ....	A

## CINEOGRAPHS

MASS.—Braintree  
Dow Portable Electric Co., C

## CINNAMON

See Teas, Coffees and Spices

## CIRCLES

CONN.—Bridgeport	
Bridgeport Brass Co. (Brass; Copper) ....	AA
CONN.—Waterbury	
Holmes, Booth & Haydens Co. (Inc.) (Brass), AAAA	
Plume & Atworth Mfg. Co. (Brass) ....	AAA
Scovill Mfg. Co. (Brass) ....	AAAA
MD.—Baltimore	
Baltimore Copper Smelt & Rolling Co. (Copper) AAAA	
MASS.—Lowell	
Bagshaw, W. H. ....	B
N. J.—Bloomfield	
Hudson Rolling Mill Co. (Copper) ....	E
New York City	
Ansonia Brass & Copper Co., 99 John (Brass; Copper) ....	AAAA

OHIO—Dayton	
Dayton Folding Box Co. (Corrugated) ....	B
OHIO—Van Wert	
Van Wert Spoke & Bending Wks. (Wagon) ....	X
PA.—Philadelphia	
Phosphor Bronze Smelting Co. (Phos. Bronze) ....	A
R. I.—Providence	
Holbrook, A. & C. W. (Mallet) ....	X

## CISTERNS

ILL.—East St. Louis	
New Process Steel & Wire Co. (Steel) ....	A
ILL.—Galesburg	
May Bros. ....	B
IOWA—Waterloo	
Tallerday Steel Pipe & Tank Co. (Steel Tank) ....	C
LA.—New Orleans	
Lewis & Co., H. F. (Cypress) ....	D
LA.—Shreveport	
Allen Mfg. Co. (Cypress) ..	B
PA.—Erie	
Fleming Slate Co. (Slate Attic) ....	C

## CITRATES

MASS.—Boston	
Billings, Clapp & Co. (Compound) ....	B
New York City	
Cooner & Co., Chas., 194 Worth (Compound) ...	AA

## CITRONELLA

New York City	
Hill's Sons Co., Edw. ....	AA

## CLAMPS

CONN.—Bradford	
Hammer & Co. (Malleable Iron; Adjustable; Cabinet; Carpenter; Machinists; Woodworking) ....	X
CONN.—Bridgeport	
Armstrong Mfg. Co. (Iron; Steel; Adjustable; Machinists' Carriage Makers; Wood) ....	A
Belknap Mfg. Co. (Hose) ..	C
Smith & Egge Co. (Adjustable) ....	A
CONN.—Bristol	
Sessions & Son, J. H. (Case; Box) ....	AAA
CONN.—Hartford	
Billings & Spencer Co. (Adjustable; Bell; Machinists; C Clamps; Cabinet; Carpenters; Woodworkers, etc.) ....	A

**CLAMPS (Con.)**  
**CONN.—Middletown**  
 Wilcox, Crittenden & Co.  
 (Screw; Wire Rope)....A  
**CONN.—Mount Carmel**  
 Woodruff & Sons, W. W.  
 (Iron; Steel; Cabinet Ma-  
 kers'; Carpenters; Machin-  
 ists'; Screw; Carriage;  
 Encircling) .....A  
**CONN.—New Haven**  
 Dann Bros. & Co. (Adjust-  
 able Cabinet Makers'; Car-  
 penters'; Carriage Ma-  
 kers') .....B  
 Hoggson & Pettis Mfg. Co.  
 (Belt; Key-Set) .....A  
 Peck Bros. & Co. (Basin)...A  
**CONN.—Pine Meadow**  
 Chapin-Stephens Co. (Wood-  
 en) .....A  
**CONN.—Rockfall**  
 Smith, Otis A. (Electric;  
 Linemens'; Splicing; Ma-  
 chinists'; Wire) .....B  
**CONN.—Southington**  
 Peck Stow & Wilcox Co.  
 (Cabinet Makers; Carpen-  
 ters; Door; Carriage Ma-  
 kers; Quilt Frame; Wood-  
 workers) .....AAAA  
**CONN.—South Norfolk**  
 Le Count, Wm. H. (Light,  
 Heavy Steel; Boiler Ma-  
 kers'; Bridge; Machin-  
 ists'; Fitters; Vice; Screw  
 Steel; Cabinet; Carpen-  
 ters'; Woodworking, etc.) D  
**CONN.—Waterbury**  
 Steel & Johnson Mfg Co.  
 (Basin) .....A  
 Waterbury Mfg. Co. (Basin)  
 AAA  
**DEL.—Wilmington**  
 Henderer's Sons, A. L.  
 (Boilermakers') .....E  
 Hilles & Jones Co. (Flang-  
 ing) .....AA  
**ILL.—Chicago**  
 Allis-Chalmers Co., (Belt)  
 AAAA  
 Besly & Co., Chas. H., 10  
 N. Canal (Parallel; Cab-  
 inet; Carpenter'; Machin-  
 ists'; Woodworkers', &c.) AA  
 Clow & Son, Jas. B., 342  
 Franklin (Basin) .....A  
 Covell Mfg. Co., 8 S. Canal  
 (Saw Filing) .....D  
 Crane Co. (Basin; Hydrant;  
 Waterpipe) .....AAAA  
 Greenlee Bros. & Co., 225  
 W. 12th (Wooden; Door  
 Sash; Blind) .....AA  
 Holliday Mfg. & Engineering  
 Co. (Cabinet; Carpenters';  
 Machinists'; Woodwork-  
 ers') .....D  
 Illinois Malleable Iron Co.,  
 30 W. Monroe (Basin; Hy-  
 drant) .....AAAA  
 Klein & Son, Mathias, 87 W.  
 Van Buren (Linemen's  
 Splicing) .....A  
 McCrea & Co., Jas., 67 W.  
 Washn. (Pipe; Steam  
 Joint) .....F  
 Macomber & Whyte Rope  
 Co., 19 S. Canal (Wire  
 Rope) .....E  
 Mark Mfg. Co. (Adjustable;  
 Cabinet Makers'; Carpen-  
 ters'; Machinists').....B  
 Parmlee Wrench Co., 1056  
 W. Monroe (Pipe) .....E  
 Payne Tapping Machine Co.,  
 5801 Erie (Crank; Guide  
 for Stop and Waste Cocks)  
 X  
 Ryan & Co., J. J., 74 W.  
 Monroe (Basin) .....C  
 Solid Steel Tool Co., 11 S.  
 Jeff (Dolly Bar).....F  
 Street & Kent Mfg. Co., 100  
 Jeff. (Basin) .....D  
 Whitman & Barnes Mfg. Co.,  
 Pullman (Belt; Hose)  
 AAAA  
 Wolff Mfg. Co., 117 Lake  
 (Basin) .....AAAA  
 Wrigley, Thos., 300 Dear-  
 born (Steel Girder).....F

**CLAMPS (Con.)**  
**ILL.—Decatur**  
 Mueller Mfg. Co., H. (Ball  
 Bearing Basin; Service)  
 AAA  
**ILL.—Downers' Grove**  
 Dicke Tool Co. (Electric;  
 Linemen's Splicing).....C  
**ILL.—Edwardsville**  
 Edwardsville Brass Co.  
 (Partition) .....B  
**ILL.—Evanston**  
 Mark Mfg. Co. (Carriage;  
 Iron; Steel) .....AA  
**ILL.—Freeport**  
 Stover Mfg. Co. (Quilt  
 Frame; Cabinet; Carpen-  
 ters'; Machinists'; Wood-  
 workers') .....AA  
**ILL.—Kewanee**  
 Western Tube Co. (Hydrant;  
 Pipe; Water Pipe)...AAA  
**ILL.—South Chicago**  
 Morden Frog & Crossing  
 Wks. (Guard Rail).....A  
**IND.—Anderson**  
 Buckeye Mfg. Co. (Floor-  
 ing) .....A  
**IND.—Bloomington**  
 Seward & Co. (Wire Rope)  
 E  
**IND.—Elkhart**  
 Elkhart Frog & Crossing  
 Wks. (Broken Rail).....C  
**IND.—Indianapolis**  
 Atkins & Co., E. C. (Saw;  
 Saw Brazing) .....AAAA  
 Potts & Co., C. & A. (Inc.)  
 (Machinists' Heavy Steel;  
 Quilt Frame) .....B  
**IND.—Mishawaka**  
 Dodge Mfg. Co. (Beam for  
 Power; Belt; Cabinet  
 Makers; Carpenters).AAA  
**KY.—Louisville**  
 Avery & Sons, B. F. (Flow  
 Colter) .....AAA  
**MD.—Baltimore**  
 McShane Mfg. Co., Henry  
 (Br. Century Foundry Co.,  
 N. Y. City) (Basin)  
 AAAA  
**MASS.—Athol**  
 Athol Machine Co. (Steel;  
 Iron; Standard Steel Ma-  
 chinists'; Cabinet; Car-  
 penters'; Woodworkers,  
 &c.) .....B  
 Starrett & Co., L. S. (Iron;  
 Steel; Tool Makers' Steel;  
 Cabinet; Carpenters'; Ma-  
 chinists'; Woodworkers',  
 &c.) .....A  
**MASS.—Attleboro**  
 Mossberg, Frank Co. (Cam-  
 era) .....A  
**MASS.—Boston**  
 Austin & Eddy, 117 Broad  
 (Beam) .....C  
 Boston Bolt Co., 33 Pur-  
 chase (Belt) .....B  
 Boston Brass Co., 36 Oliver  
 (Basin) .....D  
 Durable Wire Rope Co.  
 (Wire Rope) .....B  
 Ferdinand & Co., L. W., 152  
 Federal (Screw) .....X  
 Pearson Jack Co., 64 Fed-  
 eral (Bolt; Break Beam)  
 X  
 Walworth Mfg. Co., 132  
 Federal (Beam) .....AAAA  
 Welch & Co., T. F., 65  
 Sudbury (Screw) .....D  
**MASS.—Fitchburg**  
 Sawyer Tool Mfg. Co.  
 (Steel) .....C  
**MASS.—Greenfield**  
 Goodell-Pratt Co. (Belt)...B  
 Wiley & Russell Mfg. Co.  
 (Fire Bolt) .....AA  
**MASS.—Haydenville**  
 Haydenville Co. (Basin;  
 Hose) .....B  
**MASS.—Lowell**  
 Aldrich, Milton (Est.), 587  
 Dutton (Cabinet Makers';  
 Carpenters') .....F  
 Turner, John D. (Cabinet  
 Makers'; Carpenters')...D  
**MASS.—Springfield**  
 Springfield Brass Co.  
 (Basin) .....X

**CLAMPS (Con.)**

Stebbins Mfg. Co., E.  
(Basin) .....B  
**MASS.—Worcester**  
Wakefield J. E. (Vise,  
Wrench) .....B  
Wire Goods Co. (Wire  
Rope) .....A  
**MICH.—Battle Creek**  
Sherman Mfg. Co., N. B.  
(Basin; Hose) .....B  
**MICH.—Detroit**  
Anderson & Sons, W. H.  
(Belt; Guy) .....C  
Ideal Mfg. Co. (Basin) ...A  
Michigan Bolt & Nut Wks.  
(Patent Pressed Steel  
Guy; Plow; Pole) .....A  
Park & McKay Co., 53 Bag-  
ley (Basin) .....D  
**MICH.—Grand Rapids**  
Baldwin, Tuthill & Bolton  
(Saw; Saw Brazing; Saw  
Filing) .....B  
Grand Rapids Clamp & Tool  
Co. (Adjustable) .....F  
Grand Rapids Hand Screw  
Co. (Cabinet Makers'; Car-  
penters'; Carvers'; Wood-  
en) .....B  
Grand Rapids Hardware Co.  
(Cabinet; Carpenters;  
Machinists'; Woodwork-  
ing, etc) .....D  
Wolverine Brass Wks.  
(Basin; Hose) .....B  
**MICH.—Saginaw**  
Wicks Bros. (Flanging;  
Saw Brazing) .....AA  
**MICH.—Three Rivers**  
Roberts Car & Wheel Co.  
(Air Brake Hose) .....B  
**MINN.—Minneapolis**  
Nat'l Brass & Metal Co.  
(Basin) .....C  
**MINN.—St. Paul**  
American Holist & Derrick  
Co. (Guy; Wire Rope) ...A  
Union Brass & Metal Mfg.  
Co. (Closet) .....A  
**MO.—St. Louis**  
Acme Pipe Clamp Co.  
(Pipe) .....X  
Broderick & Bascom Rope  
Co. (Wire Rope) .....AA  
Kupferle, John C., 2nd &  
Mound (Hose) .....AA  
Leschen & Sons Rope Co.,  
A., 920 N. 1st (Wire  
Rope; .....AAA  
Pleuger & Henger Mfg. Co.,  
1015 Herbert (Hose) ...A  
Ranz-Lambrecht Stamping  
Tool Co. (Machinists')...F  
**N. J.—Boonton**  
Lincoln Iron Wks. (Floor  
Laying) .....B  
**N. J.—Newark**  
Jenkinson & Co., R. C.  
(Box; Case) .....A  
Lowentraut Mfg. Co., P. 36  
Brenner (Linemen's  
Splicing) .....A  
McIntire Co., C. (Linemen's  
Splicing; Twisting) .....D  
**N. J.—Trenton**  
Roebbling's Sons Co., John A.  
(Wire Rope) .....AAAA  
Trenton Brass & Machine  
Co. (Basin) .....B  
Trenton Iron Co. (Br. N. Y.  
City) (Wire Rope) ...AA  
Union Brass & Machine Co.  
(Basin) .....A  
**N. Y.—Batavia**  
Batavia Clamp Co. (Steel  
Bar Cabinet; Carpenters';  
Carriage Makers') .....E  
**N. Y.—Brooklyn**  
Connolly Specialty Wks.,  
1071 Atlantic Av. (Basin)  
X  
**N. Y.—Buffalo**  
Pratt & Letchworth Co., 189  
Tonawanda (Machinists';  
Screw; Carriage Makers')  
AAA  
**N. Y.—Clifton Springs**  
Judd & Leland Mfg. Co.  
(Basin) .....C  
**N. Y.—Elmira**  
Cronk & Carrier Mfg. Co.  
(Linemen's Splicing)....B

**CLAMPS (Con.)**

**N. Y.—Fulton**  
Hunter Fan & Motor Co.  
(Hose) .....B  
**N. Y.—Homer**  
Phoenix Hardware Mfg. Co.,  
189 Homer (Screw; Adjust-  
able Screw; Steel; Ma-  
chinists') .....D  
**New York City**  
American Woodworking Ma-  
chine Co., 136 Liberty  
(Door; Sash; Blind) AAA  
Brown Co., A. & F., 26  
Cortlandt (Beam) .....A  
Colwell Lead Co., 63 Centre  
(Basin) .....AA  
Fee & Mason, 66 Beekman  
(Basin) .....F  
Folmer & Schwing Mfg. Co.,  
271 Canal (Camera) ...B  
Gould Coupler Co., 20 West  
34th (Break Beam) ...AA  
Graham & Co., John H., 113  
Chambers (Hose) .....B  
Hall's Sons, Samuel, 229 W.  
10th (Pipe) .....A  
Haydenville Co., 150 Nas-  
sau (Hose) .....A  
McNab & Harlin Mfg. Co.,  
56 John (Hose; Basin) AA  
Macomber - Whyte - Moon  
Co., 131 Worth (Wire Rope)  
H  
Mott Iron Wks., J. L., 88  
Beekman (Basin) .....AA  
New Jersey Foundry &  
Mach. Wks., 9 Murray  
(Guy) .....D  
Niles-Bement-Pond Co., 136  
Liberty (Blacksmiths';  
Fitters') .....AAAA  
Phillips Mfg. Co., 215 E.  
34th (Basin) .....E  
Prentiss Vise Co., 44 Bar-  
clay (Vise) .....C  
Roberts & Bros., Geo. I., 473  
Fourth Av. (Steam Joint)  
B  
Sargent & Co., 151 Leonard  
(Cabinet; Carpenter; Ma-  
chinists'; Woodworkers';  
Carriage; Saw) .....AAAA  
Schradler's Sons, A., 30  
Rose (Hose) .....A  
Sheridan, T. W. & C. B., 2  
Reade (Book) .....A  
Simmons Co., Jno., 110 Cen-  
tre (Beam) .....AA  
Smith & Hemenway Co., 296  
B'way (Linemen's; Splic-  
ing) .....D  
Taylor, Geo., 98 Cliff  
(Basin) .....F  
Tower & Lyon Co., 95  
Chambers (Saw) .....B  
Weed, Rellay & Co., 11  
Gold (Machinists') .....D  
Wood, Henry P., 20 Reade  
(Trunk) .....E  
**N. Y.—Niagara Falls**  
Dobbie Foundry & Machine  
Co. (Wire Rope) .....B  
**N. Y.—Schenectady**  
General Electric Co. (Line-  
men's Splicing) .....AAAA  
**N. Y.—Syracuse**  
Clancy, J. R., 247 N. Sa-  
lina (Wrought Steel Hose)  
D  
Stearns & Co., E. C. (Adjust-  
able; Cabinetmakers';  
Wooden; Carpenters';  
Door; Saw; Screw; Car-  
riage makers'; Quilt  
Frame; Sash; Blind; Tire  
Roll) .....AA  
**OHIO—Akron**  
Akron Belting Co. (Belt) ..B  
**OHIO—Canton**  
Kohler & Co., F. E. (Hose)  
C  
**OHIO—Cincinnati**  
American Brass Wks., 426  
Plum (Basin) .....D  
American Valve & Meter Co.  
(Guard Rail) .....C  
Cincinnati Tool Co., Nor-  
wood (Adjustable; Cab-  
inetmakers'; Carpenters';  
Linemen's Splicing; Ma-  
chinists'; Screw; Carriage  
Makers'; Door; Sash;  
Blind) .....A

**CLAMPS (Con.)**

Creshead Engineering Co.,  
818 Walnut (Malleable  
Iron Cross Arm) .....D  
Fay & Egan Co., J. A.,  
Front & John (Door; Sash;  
Blind) .....AAAA  
Tatum Co., Samuel C., 414  
Water (Iron; Steel; Car-  
penters'; Cabinetmakers';  
Quilt Frame; Screw) ...B  
**OHIO—Cleveland**  
Bronson-Walton Co., 119  
Shore Lane (Guy; Wire  
Rope) .....B  
Central Brass Mfg. Co.  
(Basin) .....C  
Crescent Mfg. Co., 24 Cen-  
tre (Belt) .....X  
Eberhard Mfg. Co. (Wooden;  
Machinists'; Screw; Ma-  
chinists' Heavy Steel;  
Wheel Flanging) ....AA  
Fanner Mfg. Co. (Cabinet;  
Carpenters'; Machinists';  
Woodworking) .....A  
Forrest City Brass Wks. (J.  
V. Kennedy) (Basin) ...B  
Glauber Brass Mfg. Co.  
(Basin) .....A  
Superior Mfg. Co. (Basin) C  
Upson Nut Co. (Br. Union-  
ville, Conn.) (Plow;  
Nuttid) .....AAAA  
**OHIO—Columbus**  
Case Mfg. Co. (Belt) ....AA  
Columbus Brass Co. (Basin) B  
Ohio Tool Co. (Wooden; Cab-  
inetmakers'; Carpenters';  
Woodworkers') .....A  
**OHIO—Cuyahoga Falls**  
Falls Rivet & Machine Co.  
(Beam for Power; Belt) A  
**OHIO—Dayton**  
Dayton Malleable Iron Co.  
(Screw) .....AA  
Fletcher Mfg. Co. (Insu-  
lated) .....D  
**OHIO—Lectonia**  
Crescent Machine Co. (Saw) C  
**OHIO—Mansfield**  
Ohio Brass Co. (Linemen's  
Splicing) .....B  
**OHIO—Plymouth**  
Root Bros. Co. (Harness) B  
**OHIO—Ravenna**  
Williams, A. C. (Cabinet;  
Carpenters'; Machinists';  
Woodworkers', etc) ....A  
**OHIO—Sandusky**  
Sandusky Tool Co. (Book-  
glinders'; Wooden; Cabl-  
netmakers'; Carpenters';  
Flask) .....A  
**OHIO—Toledo**  
Bissel & Co., F. (Insulated) D  
**PA.—Chester**  
American Steel Casting Co.  
(Steel Pipe) .....AAAA  
Chester Steel Casting Co.  
(Br. Phila.) (Machinists') AAA  
**PA.—Erie**  
Jarecke Mfg. Co. (Beam) ..  
AAAA  
Reed Mfg. Co. (Beam) ...B  
**PA.—Lebanon**  
American Iron & Steel Mfg.  
Co. (Guy; Pole) .....AAAA  
**PA.—Mount Joy**  
Grey Iron Casting Co.  
(Iron; Steel) .....AAA  
**PA.—New Brighton**  
Logan & Strobbridge Iron Co.  
(Curtain Frame) .....B  
**PA.—Philadelphia**  
Atlantic Works, 22nd &  
Arch (Saw Brazing) ....B  
Blessing, C. A., 516 Mont-  
gomery Av. (Adjustable;  
Basin) .....AA  
Bonney Vise & Tool Co.,  
3015 Chestnut (Quilting  
Frame) .....C  
Cresson Co., Geo. V., 18th  
& Allegheny Av. (Beam  
for Power; Girder) ...AA  
Diaton & Sons, Henry  
(Saw Filing) .....AAAA  
Fairmount Machine Co., 22d

**CLAMPS (Con.)**

& Wood (Beam for Power)  
Frick, Horace E., 715 St.  
James's (Pipe) .....X  
Haines, James & Cadbury,  
1136 Ridge Av. (Basin) ..  
AA  
Hoopes & Townsend Co.,  
1830 Buttonwood (Pole) ..  
AAA  
Johnson, Israel H., Jr., 1424  
Callowhill (Screw) .....A  
McCambridge & Co., 527  
Cherry (Basin) .....B  
Penn Engineering Co., 312  
Cherry (Basin) .....D  
Pennsylvania Steel Co.  
(Guard Rail) .....AAAA  
Smith, W. Clifford, 45 N.  
2d (Pipe) .....F  
**PA.—Pittsburg**  
Bailey Farrell Mfg. Co., 619  
Smithfield (Basin) ....AA  
Collins Mfg. Co., 104 First  
Av. (Beam) .....X  
Hubbard & Co. (Malleable;  
Wrought Guy; Plate) ...A  
Lans & Sons, Matthew, 101  
S. 29th (Wire Rope; B  
Guy) .....B  
Oliver Iron & Steel Co.  
(Guy; Pole) .....AAAA  
Standard Sanitary Mfg. Co.,  
Arrott Bldg. (Basin) ....  
AAAA  
**PA.—Reading**  
Penn Hardware Co. (Floor-  
ing; Quilt Frame) ....AA  
Reading Hardware Co.  
(Saw; Cabinet; Carpen-  
ters'; Machinists'; Wood-  
workers'; Carriage, etc) ..  
AAA  
**PA.—Sharon Hill**  
Pickering, R. S. ....F  
**PA.—Wilkesbarre**  
Hazard Mfg. Co. (Wire  
Rope) .....AAA  
Vulcan Iron Works (Bell;  
Dock; Timber) .....AAAA  
**PA.—Wrightsville**  
Wrightsville Hardware Co.  
(Cabinetmakers'; Carpen-  
ters'; Machinists'; Wheel  
Flanging) .....C  
**R. I.—Pawtucket**  
Bliss Mfg. Co., R. (Cabinet-  
makers'; Carpenters';  
Wood; Belt) .....AAA  
Pawtucket Mfg. Co. (Cast  
Steel Screw; Steel) ....A  
**R. I.—Woonsocket**  
Woonsocket Machine &  
Press Co. (Girder) ....AA  
**WIS.—Oudahy**  
Power & Mining Machin-  
ery Co. (Boilermakers')  
AAA  
**WIS.—Milwaukee**  
Filler & Stowell Co. (Ltd.)  
(Saw Filing) .....AAA  
Hoffman-Billings Mfg. Co.  
(Basin) .....AA  
Milwaukee Foundry Supply  
Co. (Hugh J. Horrigan)  
258 Lake (Hask) .....X  
Rundle-Spence Mfg. Co. (Br.  
Century Foundry Co. N.  
Y. City) (Basin) .....AAAA

**CLAPBOARDS**

**ARK.—Brinkley**  
Brinkley Car Works & Mfg.  
Co. ....D  
**MAINE—Locke's Mills**  
Tebbets & Co., C. L. ....C  
**MAINE—Portland**  
Berlin Mill Co. ....AAAA  
**MASS.—Boston**  
Stearns Lumber Co., A. T.  
AA  
**N. Y.—Binghamton**  
Roberson & Son, A. ....AA  
**VT.—North Duxbury**  
Elliott, W. R. ....G

**CLARIFIERS**

See also Machinery

**CAL.—San Francisco**  
Riston Iron & Locomotive

**CLARIFIERS (Con.)**

Works .....AAA  
**DEL.**—Wilmington  
 Pusey & Jones Co. ...AAA  
**ILL.**—Chicago  
 Wolf Co., Fred W., 139  
 Rees .....AAA  
**KANS.**—Fort Scott  
 Fort Scott Foundry & Mach.  
 Co. (C. Eller) .....H  
**LA.**—New Orleans  
 Hauptman & Loeb Co.  
 (Ltd.) 217 Gravier ....B  
 Murphy, Jno. H., 643 Maga-  
 zine .....A  
 Payne & Joubert, 423 Ca-  
 rondelet .....C  
**N. J.**—Jersey City  
 Flynn, W. S., 74 Hudson.D  
**N. Y.**—Brooklyn  
 Pioneer Iron Wks., 151  
 William .....A  
**N. Y.**—Buffalo  
 Squier Mfg. Co., Geo. L. 420  
 Niagara (Sugar).....AAA  
**New York City**  
 Bartlett, Hayward & Co.,  
 100 B'way .....B  
 Cornell, J. B. & J. M. Co.,  
 26th & 11th Av. ....A  
 Deeley & Co., Robert, 507  
 W. 32nd .....AA  
 Krajewski, Pesant & Co., 32  
 B'way .....AA  
 Mason & Co., Marcus, 329  
 Prod. Exch. ....A  
 Turi's Sons, Jno., 536 W.  
 38th .....A  
**OHIO**—Cincinnati  
 Blymyer Iron Wks. Co. ...D  
**OHIO**—Cleveland  
 Kilby Mfg. Co. ....AA  
**PA.**—Philadelphia  
 Morris, Henry G., Phila.  
 Bourse .....F

**CLARINETS**

See Musical Instruments

**CLASPS**

**CONN.**—Bridgeport  
 Warner Bros. Co. (Br. N.  
 Y. City) (Corset) ..AAAA  
**CONN.**—Greystone  
 Greystone Mfg. Co. ....E  
**CONN.**—Meriden  
 Meriden Curtain Fixture Co.  
 (Curtain) .....AAAA  
**CONN.**—Waterbury  
 American Pin Co. (News-  
 paper) .....A  
 Lane Mfg. Co. ....X  
 Novelty Mfg. Co. (Belt) ...A  
 Waterbury Buckle Co.  
 (Belt) .....A  
 Waterbury Button Co.  
 (Belt) .....A  
**ILL.**—Chicago  
 Acme Flexible Clasp Co.,  
 175 Clark (Wooden Box) A  
 Mackle-Lovejoy Mfg. Co.,  
 54 N. Clinton (Trousers) C  
**MD.**—Baltimore  
 Catch-On Clasp Co. (Pants) B  
**MASS.**—Attleboro  
 Regnell, Bigney & Co. ....B  
**MASS.**—Boston  
 Frost & Co., Geo. (Gar-  
 ment) .....A  
**MASS.**—North Attleboro  
 Whiting Co., F. M. ....B  
**MASS.**—Waltham  
 Thomson Mfg. Co., Judson  
 L. (Garment) .....A  
**MASS.**—Worcester  
 Royal Worcester Corset Co.  
 (Corset) .....AA  
**N. J.**—Hoboken  
 Schimpfer & Co., Wm.  
 (Book) .....AA  
**N. J.**—Newark  
 Bowers & Co., James (Cor-  
 set) .....AA  
 Hartshorn Co., Stewart  
 (Curtain) .....AAA  
 Wright, Chas. C. (Corset) ..B  
**N. Y.**—Binghamton  
 Titchener & Co., E. H.

**CLASPS (Con.)**

(Hoop; Pail) .....B  
**New York City**  
 Cary Mfg. Co., 19 Roosevelt  
 (Hoop; Pail; Box) ....B  
 Frank & Gutmann, 274 W.  
 B'way .....B  
 Judd & Co., H. L., 87 Cham-  
 bers (Curtain; Album;  
 Bible) .....AA  
 Ludwig, A., 75 Spring  
 (Book) .....B  
 Normal Corset Co. (Corset) B  
 Standard Metal Strap Co.,  
 336 E. 38th (Box) ....F  
 Strouse, Adler & Co., 412  
 Broadway (Corset) .AAAA  
 Zonophone Co., 28 Warren  
 (Box) .....X  
**R. I.**—Providence  
 Luther & Son, Wm. H. ....B

**CLASSIFIERS**

**MICH.**—Saginaw  
 Farmers' Handy Wagon Co.  
 (Coffee) .....B  
**N. Y.**—Buffalo  
 Buffalo Forge Co. ....AAA  
 Squier Mfg. Co. (Coffee) AAA  
**N. Y.**—Silver Creek  
 Howes Co., S. (Coffee) ...A  
**N. Y.**—Syracuse  
 Engelberg Huller Co. ....D  
**OHIO**—Cincinnati  
 Blymyer Iron Wks. Co., 2933  
 Spring Grove Av. (Cof-  
 fee; Rice) .....B

**CLAWS**

**CONN.**—Bridgeport  
 American Specialty Co.  
 (Tack) .....X  
 Bridgeport Hardware Mfg.  
 Co. (Tack) .....B  
 Knapp & Cowles Mfg. Co.  
 (Tack) .....C  
**CONN.**—Hartford  
 American Specialty Mfg. Co.  
 (Tack) .....X  
**CONN.**—Meriden  
 Nickel Plate Mfg. Co.  
 (Tack) .....X  
**CONN.**—New Britain  
 Humason & Beckley Mfg.  
 Co. (Tack) .....A  
**ILL.**—Freeport  
 Arcade Mfg. Co. (Tack) ..B  
**MASS.**—Shelburn Falls  
 Mayhew Co., H. H. (Tack) C  
**MASS.**—Springfield  
 Springfield Mach. Crew Co.  
 (Tack) .....D  
**N. J.**—Elizabeth  
 Braunsdorf-Muller Co.  
 (Tack) .....D  
**N. J.**—Newark  
 Kraeuter & Co., 577 18th  
 Av. (Tack) .....E  
 Osborne & Co., C. S.  
 (Tack) .....B  
**N. Y.**—Brooklyn  
 Williams & Co., J. H.  
 (Tack) .....AAA  
**New York City**  
 Jennings & Co., C. E., 42  
 Murray (Tack) .....D  
 Peck, Stow & Wilcox Co., 27  
 Murray (Tack) .....AAA  
 Sargent & Co., 151 Leonard  
 (Tack; Nail) .....AAAA  
 Smith & Hemenway Co., 296  
 Broadway (Tack) .....B  
**N. Y.**—Utica  
 Utica Drop Forge & Tool  
 Co. (Tack) .....C  
**PA.**—Chester  
 Keystone Drop Forge Works  
 (Tack) .....A  
**PA.**—Philadelphia  
 Stortz & Son, Jno., 219  
 Vine (Tack) .....F  
**PA.**—Wrightsville  
 Wrightsville Hardware Co.  
 (Tack) .....C

**CLAYS**

See also Kaolin

# CLAYS (Con.)

**CAL.—Lincoln**  
Gladding, McBean & Co.  
(Fire) .....AA

**CAL.—Los Angeles**  
Pacific Clay Mfg. Co.  
(Fire) .....A

**CAL.—San Francisco**  
Clark & Sons, N. (Inc.)  
(Fire) .....A

**COLO.—Denver**  
Denver Fire Clay Co.  
(Fire) .....AA

**CONN.—Bridgeport**  
Bridgeport Crucible Co.  
(Fire) .....A

**GA.—Atlanta**  
Atlanta Terra Cotta Co.,  
Austell Bldg. (Fire) ..B  
Stevens Sons Co., H.  
(Fire) .....A

**ILL.—Chicago**  
Pioneer Fire-Proofing Co.,  
204 Dearborn (Fire) ..AA  
Williams Co., N. A., Cham-  
ber of Com. (Fire) ....B

**ILL.—Streator**  
Streator Clay Mfg. Co.  
(Fire) .....A

**IOWA.—Des Moines**  
Iowa Pipe & Tile Co.  
(Fire) .....A

**MD.—Baltimore**  
Baltimore Retort & Fire  
Brick Co. ....B  
Baltimore Terra Cotta  
Works (Fire; Ground; in  
Bulk) .....B

**MASS.—Boston**  
Boston Fire Brick Co. (Geo.  
B. Fiske, Mgr.), 164 Dev-  
onshire (Fire) .....A

**MASS.—Taunton**  
Presbrey Stove Lining Co.  
(Fire) .....F

**MO.—St. Louis**  
Christy Fire Clay Co. (Fire)  
AAA

Missouri Fire Brick Co.  
(Fire) .....B

Parker-Russell Mining &  
Mfg. Co. (Fire) ....AAA

St. Louis Vitrified & Fire  
Brick Co. (Fire) .....A

**N. J.—Jersey City**  
Gautier & Co., J. H. (Fire;  
Milled; Retorts) .....AA

**N. J.—Metuchen**  
Bloomfield Clay Co. (Fire)  
X

**N. J.—Trenton**  
Golding & Sons Co. (China)  
AA

**N. J.—Woodbridge**  
Berry, Jas. E. (Fire) ....C  
Valentine & Bro. Co., M. D.  
(Fire) .....A

**N. Y.—Brooklyn**  
Brooklyn Fire Brick Wks.  
(Fire) .....A

Ross & Son, 16 Steuben  
(Mills) .....D

**New York City**  
Berg Mining Co., 121  
Front (& Minerals, etc.) D  
Binney & Smith Co., 257  
Pearl (China) .....AA  
Chrystal, Chas. B., 51 Cliff  
(& Minerals, etc.) .....D  
Duffy & Co., J. P., 440 E.  
138th (Fire) .....B  
Earle, Ellis P., 29 Liberty  
(& Minerals, etc.) ....AA  
Federal Clay Mfg. Co., 170  
B'way (& Minerals, etc.)  
B  
Feuchtwanger & Co., C., 54  
Fulton (& Minerals, etc.)  
B  
Franklyn & Ferguson, Cot-  
ton Exchange (& Minerals,  
etc.) .....F  
Fuerst Bros. & Co., 2 Stone  
(& Minerals, etc.) .....D  
Hammill & Gillespie, 240  
Front (China; Potters',  
etc.) .....A  
Kreischeer Brick Mfg. Co.,  
119 E. 23rd (Fire) ....B  
Maurer & Son, Henry, 423  
E. 23rd (Fire; Foundry)...  
AA  
Nat'l Gum & Mica Co., 502  
W. 45th (& Minerals,

# CLAYS (Con.)

etc.) .....A

Pettit Chemical Co., 241  
Front (& Minerals, etc.) B

Salomon & Bro., 216 Pearl  
(China, etc.) .....AA

Silkman, Frank W., 231  
Pearl (& Minerals, etc.) X

Smith & Co., J. Lee, 59  
Frankfort (China) ....AA

Thiele, E., 99 John (& Ma-  
terials, etc.) .....B

Uhlrich & Co., Paul, 108  
Fulton (& Minerals, etc.)  
F

Union Talc. Co., 149 B'way  
(& Minerals, etc.) ....X

Weber Sons, Adam, 15 Park  
Row (Fire) .....AA

Whittaker, W. H., 245 Front  
(& Minerals, etc.) .....E

Whitehead Bros. Co., 537 W.  
27th (Foundry) .....AA

**N. Y.—Troy**  
McLeod & Henry Co.  
(Fire) .....B

Ostrander Fire Brick Co.  
(Fire) .....A

**N. C.—Dillsboro**  
Harris Clay Co. (China) ..A

**OHIO—Akron**  
Robinson Clay Product Co.  
(Fire) .....AAAA

**OHIO—Cincinnati**  
Cincinnati Sewer Pipe Co.,  
Elm & Water (Fire) ....E

Obermayer Co., S. (Fire) ..AA

**OHIO—Cleveland**  
Dover Fire Brick Co., Cuya-  
hoga Bldg. (Fire) .....B

Smith Foundry Supply Co.,  
J. D. (Fire) .....D

**OHIO—Columbus**  
Wassal Fire Clay Co., 40 E.  
Spring (Fire) .....D

**OHIO—Empire**  
Stratton Fire Clay Co.  
(Fire) .....A

**OHIO—Haydenville**  
Haydenville Co. (Fire) ...A

**OHIO—Logan**  
Hocking Clay Mfg. Co.  
(Ground; Crude) .....B

**OHIO—Mineral City**  
American Fire Brick & Clay  
Co. (Fire) .....C

**OHIO—Oak Hill**  
Ohio Fire Brick Co. (Fire)  
B

**OHIO—Portsmouth**  
Portsmouth Harbison-Walk-  
er Co. (Fire) .....AAAA

**OHIO—Toronto**  
Great Western Fire Clay  
Co. (Fire) .....AAA

Vulcan Clay Co. (Fire) ....B

**PA.—Alexandria**  
Hatfield & Phillips (Fire) .A

**PA.—Beech Creek**  
Penna. Fire Brick Co. (Fire)  
AA

**PA.—Bolivar**  
Reese-Hammond Fire Brick  
Co. (Fire) .....X

**PA.—Easton**  
Williams & Co., C. K.  
(Paper) .....A

**PA.—Harrisburg**  
Mount Holly Brick & Clay  
Co. (Refiners of White) A

**PA.—Johnstown**  
Swank's Sons, Herman  
(Milled) .....B

**PA.—Lock Haven**  
Queen's Run Fire Brick Co.  
(Fire) .....AA

**PA.—Mertztown**  
Star Clay Co. (Ltd.)  
(China; Paper) .....D

**PA.—New Brighton**  
Smith Co., A. F. (Fire) ..C

**PA.—Osceola Mills**  
Osceola Silika & Fire Brick  
Co. (Fire) .....A

**PA.—Philadelphia**  
Borgner Co., Cyrus, 23rd, ab.  
Race (Fire) .....B

Haedrich, E. M., 311½ Wal-  
nut (Fire) .....X

Mack Mfg. Co., Fidelity  
Bldg. (Fire) .....AA

Nevins Co., Samuel, 109 S.  
2nd (& Minerals, etc.) ..D

**CLAYS (Con.)**

Paxson & Co., J. W., 1021 N. Delaware Av. (Fire) AA  
 Sweeney & Co., Geo., 1334 Ridge Av. (Fire) .....AA  
**PA.—Pittsburg**  
 Gardner, Jr. Co., Jas. (Fire) B  
 Harbison & Walker Refractories (Fire) .....AAAA  
 Lincoln Fire Brick & Shape Co. (Fire) .....A  
 Stuart Fire Brick Co., Conestoga Bldg. (Fire).....D  
 Welch Fire Brick Works, House Bldg. (Fire) ....B  
**PA.—Sandy Ridge**  
 Sandy Ridge Fire Brick Co. (Fire) .....B  
**S. C.—Langley**  
 Lamar Kaslin Co. (China). B  
**TENN.—Chattanooga**  
 Montague & Co. (China; Milled) .....A  
**VT.—Bennington**  
 Lyon & Bro., S. C. (China) B  
**VT.—Rutland**  
 Rutland Fire Clay Co. (Fire; Foundry) .....B  
**WASH.—Little Falls**  
 Little Falls Fire Clay Co. (Fire) .....B  
**WASH.—Seattle**  
 Denny Clay Co. (Fire) ....A  
**WASH.—Spokane**  
 Washington Brick, Lime & Mfg. Co. (Fire; Milled; Screened) .....A

**CLEANERS**

**CONN.—Naugatuck**  
 Goodyears' India Rubber Glove Mfg. Co. (Rubber Window) .....AAAA  
**CONN.—New Britain**  
 Humason & Beckley Mfg. Co. (Hoof) .....A  
 Judd, Oliver S. (Hoof) ...B  
 North & Judd Mfg. Co. (Hoof) .....AA  
**ILL.—Chicago**  
 Bosley & Co., D. W., 210 Wash'n Boul. (Rubber Window) .....B  
**ILL.—Decatur**  
 Oakes, Wm. L. (Boiler) ..D  
**ILL.—Freeport**  
 Stover Mfg. Co. (Corn Sheller) .....AA  
**ILL.—Moline**  
 Barnard & Leas Mfg. Co. (Corn Sheller; Malt; Flax Seed) .....AA  
**MASS.—Chicopee Falls**  
 Stevens Arms & Tool Co., J. (Shot Gun) .....AAA  
**MASS.—Worcester**  
 National Mfg. Co. (Wire Sink) .....A  
 Wire Goods Co. (Chain Pot) A  
**N. Y.—Brooklyn**  
 Sudlow, Jno. W., 986 Halsey (Sink) .....X  
**N. Y.—Buffalo**  
 Power Specialty Co. (Boiler Tube) .....X  
 Stewart Heater Co., 5 Norfolk Av. (Flue) ...D  
 Western Wire Goods Co. (Window) .....D  
**N. Y.—Cortland**  
 Continental Tool Co. (Pavement) .....A  
**New York City**  
 Beekman Novelty Co., 9 N. Moore (Fountain Pen)...X  
 Burns & Sons, Jabez, 554 Greenwich (Coffee) ....B  
 Goodyear Rubber Co. 787 Bway. (Window) .....AAAA  
 Gutta Percha & Rubber Mfg. Co., 126 Duane (Window) .....AAAA  
 Hungerford Bros. & Co., 29 Cortlandt (Coffee) ....B  
 Jenkins Bros. 71 John (Flue) .....A  
 Millers Falls Co., 28 Warren (Flue) .....AA  
 Newell Mfg. Co., 149 Bway. (Boiler Tube) .....D

**CLEANERS (Con.)**

Parson Mfg. Co., 320 Bway. (Flue) .....C  
 Robertson & Son, Jas. L., 204 Fulton (Flue) .....D  
 Stoutenborough, X., 277 Pearl (Sink) .....D  
**N. Y.—Rochester**  
 Streeter & Co., N. R. (Wire Pot) .....A  
**N. Y.—Schenectady**  
 Westinghouse Co. (Thresher) .....AAAA  
**N. Y.—Syracuse**  
 Lefever Arms Co. (Shot Gun) .....B  
**N. Y.—Troy**  
 Barnum Bros. Co. (Boiler) E  
 Palmer Hdw. Mfg. Co. (Sidewalk) .....D  
 Troy Stamping Wks. (Sink) .....AAAA  
**OHIO—Canton**  
 Kohler & Co., F. E. (Sidewalk) .....B  
**OHIO—Cincinnati**  
 Bromwell Brush & Wire Gd's Co. (Wire Pot)...AA  
**OHIO—Cleveland**  
 American Fork & Hoe Co. (Drain; Sidewalk) AAAA  
 Cleveland Flue Cleaner Co. (Flue) .....C  
 Cleveland Stamping & Tool Co. (Chain Pot) .....A  
 Fanner Mfg. Co. (Flue)...A  
 Osborn Mfg. Co. (Flue; Sewer; Sink) .....B  
**OHIO—Columbus**  
 Case Mfg. Co. (Corn) ....A  
**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred. J. (Wire Pot; Lamp Chimney) .....B  
**OHIO—Mansfield**  
 Aultman & Taylor Mach. Co. (Thresher) .....AAAA  
**PA.—Erie**  
 Jarecki Mfg. Co. (Flue) .....AAAA  
**PA.—Mt. Pleasant**  
 Mt. Pleasant Tool Co. (Drain) .....D  
**PA.—Philadelphia**  
 Darby & Sons, Edward (Chain Pot) .....A  
 Paxson Co., J. W. (Flue) AA  
 Pedrick & Ayer, 1001 Hamilton (Flue) .....A  
 Ruffner & Son, 3521 Bowman (Flue) .....D  
**PA.—Pittsburg**  
 Gem Mfg. Co. (Flue) ....D  
**PA.—Williamsport**  
 Darling Pump & Mfg. Co. (Ltd.) (Flue) .....B  
 Keeler Co., E. (Flue) ....A  
**R. I.—Providence**  
 Nicholson File Co. (File) .....AAAA  
 Towel Rack & Novelty Mfg. Co. (Rubber Window) ..X  
**VT.—Middletown Springs**  
 Grays' Sons, A. W. (Thresher) .....AA  
**VA.—Richmond**  
 Cardwell Mach. Co. (Thresher) .....A  
**WIS.—Racine**  
 Dickey Mfg. Co. (Bean Grader) .....F  
 Johnson & Field Co. (Bean Grader; Seed; Coffee; Flax Seed; Corn; Rice) F

**CLEANOUTS**

**ILL.—Quincy**  
 Modern Iron Wks. (For Extra Heavy Pipe) .....B  
**MASS.—Chelsea**  
 Carr & Co., J. H. ....D  
**MO.—St. Louis**  
 Nelson Mfg. Co., N. O....D  
 409 CLEATS.

**CLEATS**

See also Hardware; Carriage

**CONN.—Bridgeport**  
 Bryant Electric Co. (Brass Wiring) .....B  
**CONN.—Derby**  
 Shelton Co. (Boat) .....A

**CLEATS (Con.)**

**CONN.—Hartford**  
Hartford Faience Co. (Porcelain) ..... B  
**CONN.—Middletown**  
Wilcox Crittenden & Co. (Rope) ..... A  
**CONN.—New Britain**  
Corbin, P. & F. (Line) ..... AAAA  
**DEL.—Wilmington**  
Pusey & Jones Co. (Boat) ..... AAA  
**IND.—Peru**  
Peru Electric Mfg. Co. (Porcelain) ..... A  
**MAINE.—Portland**  
Laughlin Co., Thos. (Boat) ..... A  
**MASS.—Boston**  
Bellevue Porcelain Wks., 131 State (Porcelain or Clay) ..... X  
**MASS.—West Somerville**  
New England Electric Mfg. Co. (Porcelain or Clay) X  
**MASS.—Worcester**  
Wire Goods Co. (Line; Rope) ..... A  
**MICH.—Fenton**  
Phillips Co., A. J. (Wardrobe) ..... A  
**N. J.—Trenton**  
Brian Pottery Co. (Porcelain) ..... D  
Diamond Porcelain Co. (Porcelain) ..... X  
Electric Porcelain & Mfg. Co. (Porcelain) ..... D  
Greenwood Pottery Co. (Porcelain) ..... A  
Hudson Porcelain Co. (Porcelain) ..... F  
Imperial Porcelain Wks. (Porcelain) ..... AA  
Standard China Wks. (Kimble Warren) (Porcelain) D  
Star Porcelain Co. (Porcelain) ..... B  
Trenton Porcelain Co. (Porcelain) ..... F  
Union Electrical Porcelain Wks. (Duncan Mackenzie's Sons) (Porcelain) ..... A  
**N. Y.—Brooklyn**  
Empire China Wks., 156 Greene (Porcelain) ... D  
Union Porcelain Wks. (C. H. Smith) 800 Eckford (Porcelain) ..... B  
**New York City**  
Sargent & Co., 151 Leonard (Line; Rope) ..... AAAA  
Tiebout, W. & J., 118 Chambers (Line; Rope) . B  
**N. Y.—Syracuse**  
Pass & Seymour (Porcelain) ..... A  
**OHIO—Akron**  
Akron Insulator & Marble Co. (Clay) ..... A  
Amer. Marble & Toy Mfg. Co. (Porcelain or Clay) . X  
**OHIO—Canton**  
Canton Insulator & Clay Co. (Clay or Porcelain) ... X  
**OHIO—East Liverpool**  
Brunt Porcelain Wks., G. F. (Porcelain) ..... B  
Electric Porcelain Co. (Porcelain) ..... B  
Thomas & Sons Co., R. (Porcelain) ..... A  
**OHIO—McGadore**  
Bowers Mfg. Co. (Porcelain or Clay) ..... F  
**OHIO—Ravenna**  
Williams, A. C. (Line; Rope) ..... A  
**PA.—Reading**  
Reading Hdw. Co. (Line; Rope) ..... AAAA  
**PA.—Scuth Bethlehem**  
Bethlehem Fdry. & Mach. Co. (Line; Rope) ..... C  
**VA.—Norfolk**  
Whitehurst Co., R. W. (Line; Rope) ..... B  
**W. VA.—Wheeling**  
Wheeling Hinge Co. (Rope) ..... AA

**CLEAVERS**

**CONN.—Bridgeport**  
Knapp & Cowles Mfg. Co. C

**CLEAVERS (Con.)**

**CONN.—Southington**  
Peck, Stow & Wilcox Co. (Butcher &c.) ..... AAA  
**ILL.—Chicago**  
Born Packers Supply Co., H. A. ..... F  
**IND.—Lawrenceburg**  
Bishop & Co., Geo. H. (Family) ..... A  
**MASS.—Greenfield**  
Nichols Bros. (Pork Packers) ..... C  
**MASS.—Southbridge**  
Richard Co., Stephen ..... E  
**N. Y.—Buffalo**  
White Co., L. I. & J. (Butcher &c.) ..... A  
**New York City**  
American Axe & Tool Co. 253 Bway. .... AAAA  
Chatillon & Sons, Jno., 85 Cliff (Butcher, &c.) ..... A  
Jennings & Co., C. E., 42 Murray ..... B  
**N. Y.—Rochester**  
Mack & Co. .... AAAA  
**OHIO—Cincinnati**  
Bishop & Co., Geo. H. (Butcher) ..... A  
**PA.—Chester**  
Black & Co., H. B. .... AA  
**PA.—Philadelphia**  
Hoffman, C. & A., Frankford (Butcher, &c.) ..... E  
Nittinger Senr. Aug., 826 N. 4th ..... A  
Plumb, Fayette R. (Inc.) ..... AA  
**VT.—Wallingford**  
Wallingford Mfg. Co. (Butchers') ..... X

**CLEAVISES**

See also Hardware; Carriage

**ILL.—Alton**  
Hapgood Plow Co. (Plow) A  
**ILL.—Chicago**  
Illinois Malleable Iron Co., 30 W. Monroe (Malleable) ..... AAAA  
**ILL.—Rockford**  
Weyburn & Briggs Co. (Plow) ..... B  
**IND.—South Bend**  
South Bend Chilled Plow Co. (Plow) ..... AAA  
**KY.—Louisville**  
Avery & Sons, B. F. (Plow) ..... AAA  
**MO.—Higginsville**  
Krusse, Kross, Klevis Co. (Malleable) ..... X  
**N. Y.—Buffalo**  
Pratt & Letchworth Co. (Plow) ..... AAA  
**New York City**  
Tiebout, W. & J., 118 Chambers (Malleable) ..... B  
**OHIO—Cincinnati**  
Haven Co., Jas. L. .... B  
**OHIO—Cleveland**  
Cleveland Hdw. Co. .... A  
Eberhard Mfg. Co. (Plow) ..... AA  
**WIS.—Racine**  
Racine General Mfg. Co. ... E  
Racine Malleable & Wrought Iron Co. (Plow; also Joint hooks) ..... B  
**WIS.—South Milwaukee**  
Stowell Mfg. & Fdry. Co. (Malleable) ..... A

**CLIMBERS**

**CONN.—Branford**  
Donnelly, Jno. (Linemens') ..... F  
**ILL.—Chicago**  
Klein & Son, Mathias, 87 W. Van Buren (Linemens') . A  
**ILL.—Downer's Grove**  
Dicke Tool Co. (Linemens') ..... C  
**N. J.—Newark**  
Lowentrant Mfg. Co., P., 26 Bremen (Linemens') ..... A  
**New York City**  
Smith & Hemenway Co., 296 Bway. (Linemens') ... C  
**N. Y.—Utica**  
Utica Drop Forge & Tool Co. (Linemens') ..... C



**CLIMBERS (Con.)**

**OHIO**—Cincinnati  
Cincinnati Tool Co., Nor-wood (Linemens') .....A  
**OHIO**—Mansfield  
Ohio Tool Co. (Linemens') A  
**OHIO**—Toledo  
Nagel Electric Co., W. G. (Electric) .....B  
**WIS.**—Oshkosh  
Oshkosh Logging Tool Co. (Linemens') .....C

**CLINCHERS**

**PA.**—Wyalusing  
Lightning Hoof Shear Co. (Horse Nail) .....X

**CLINOMETERS**

**N. Y.**—Troy  
Gurley, W. & L. E. ....A

**CLIPPERS**

**CONN.**—Ansonia  
Cook Co., H. C. (Fingernail) .....E  
**CONN.**—Bridgeport  
Hotchkiss, Edward S. (Barbers'; Horse) .....A  
**CONN.**—Seymour  
Little River Mfg. Co. (Fingernail) .....E  
**CONN.**—Southington  
Peck, Stow & Wilcox Co. (Bolt; Rivet) .....AAAA  
**ILL.**—Chicago  
Chicago Flexible Shaft Co., 158 Huron (Barber; Power; Horse) .....B  
Chicago Pneumatic Tool Co., Fisher Bldg. (Pneumatic Staybolt) .....AAAA  
**ILL.**—Freeport  
Stover Mfg. Co. (Ice) ....AA  
**IND.**—Evansville  
Halsey, C. W. (Ice) .....G  
**MASS.**—Everett  
Porter, Henry K. (Bolt) B  
**MASS.**—Greenfield  
Wiley & Russell Mfg. Co. (Bolt; Rivet) .....AA  
**MASS.**—Orange  
Chase Turbine Mfg. Co. (Board) .....A  
**MASS.**—Springfield  
Moore Drop Forging Co. (Bolt) .....C  
**MASS.**—Worcester  
Coates Clipper Mfg. Co. (Barber; Horse) .....D  
Hobbs Mfg. Co. (Barbers') .....A  
**MINN.**—St. Paul  
Helwig Mfg. Co., Nat'l. Ger. Am. Bank Bldg. (Bolt or Rivet, Pneumatic Staybolt) .....F  
**N. H.**—Nashua  
American Shearer Mfg. Co. (Barbers'; Horse; Power) .....B  
**N. J.**—Newark  
Heinrich's Sons Co., R. (Horse) .....A  
Peters Harness & Saddlery Co. (Horse) .....C  
**N. Y.**—Brooklyn  
Reinhardt & Co., 72 Stagg (Barber) .....F  
**New York City**  
Boker, Hermann & Co., 101 Duane (Horse) .....AA  
Graham & Co., John H., 113 Chambers (Horse) .....AA  
Smith & Hemenway Co., 296 Bway. (Nail) .....D  
Snow, L. S. 296 Bway. (Nail) .....X  
Wiebusch & Hilger, 157 Chambers (Horse) .....A  
**N. Y.**—Rochester  
Klip-Klin Co. (Nail) .....B  
Standard Mfg. Co. (Fingernail) .....X  
**OHIO**—Columbus  
Columbus Bolt Wks. (Bolt; Rivet) .....A  
**PA.**—Philadelphia  
Chambers Bros. Co., N. 52nd & Lancaster Av. (Bolt; Rivet) .....AA  
North Bros. Mfg. Co. Lehigh Av. (Ice) .....A

**CLIPPERS (Con.)**

**PA.**—Pomeroy  
Phillips, M. T. (Dehorning) D  
**R. I.**—Providence  
Brown & Sharpe Mfg. Co. (Barbers'; Horse) AAAA  
**WIS.**—Milwaukee  
Chain Belt Co., 766 Park (Bolt; Rivet) .....B

**CLIPS**

See also Hardware; Carriage

**CAL.**—San Francisco  
Leschen & Sons Rope Co., A. 920 N. 1st (Wire Rope) AAA  
**CONN.**—Bridgeport  
Smith & Egge Mfg. Co. (Toe) .....A  
**CONN.**—East Hampton  
Bevin Bros. Mfg. Co. (Toe) .....A  
**CONN.**—Hartford  
Billings & Spencer Co. (Trolley Wire; Wire Rope) AA  
**CONN.**—Middletown  
Wilcox Crittenden & Co. (Wire Rope) .....A  
**CONN.**—Mt. Carmel  
Woodruff & Sons, Walter W. ....A  
**CONN.**—New Britain  
North & Judd Mfg. Co. (Hame) .....AA  
**CONN.**—New Haven  
Cowles & Co., C. (Axle; Neck Yoke) .....A  
North & Co., O. B. (Halter) AA  
Seward & Son Co., Moses (Saddle; Axle; Spring Bar) .....A  
**CONN.**—Plantville  
Atwater Mfg. Co. (Neck Yoke; Saddle) .....A  
Blakeslee Forging Co. (Axle; Spring Bar) .....B  
Smith & Co., H. D. ....A  
**CONN.**—Southington  
Peck, Stow & Wilcox Co. (Stationers) .....AAAA  
**CONN.**—Unionville  
Upson Nut Co. (Axle; Spring Bar) .....AAAA  
**CONN.**—Winsted  
Moore Co., Franklin (Axle; Spring Bar) .....A  
**ILL.**—Chicago  
Macomber-Whyte-Moon Co., 19 S. Canal (Wire Rope) .....A  
Streeter, H. A., 41 Indiana (Structural Steel) .....A  
**ILL.**—Freeport  
Stover Mfg. Co. (Damper) AA  
**IND.**—Elkhart  
Buescher Mfg. Co. (Toe; Bicycle) .....B  
**IOWA**—Dubuque  
Adams Co. (Damper) ....A  
**MASS.**—Boston  
Durable Wire Rope Co., 288 Congress (Wire Rope) ..D  
**MASS.**—Worcester  
Wire Goods Co. (Toe) ....A  
**MICH.**—Detroit  
Bookkeeper Publishing Co. (Paper) .....A  
**MINN.**—St. Paul  
American Holst & Derrick Co. (Wire Rope) ....AAA  
**MO.**—St. Louis  
Broderick & Bascom Rope Co., 809 N. Main (Wire Rope) .....AA  
**N. J.**—Bloomfield  
Consolidated Safety Pin Co. (Stationery) .....AA  
**N. J.**—Jersey City  
Williams & Son., E. A. (Hose) .....AA  
**N. J.**—Newark  
Newark Cycle Specialty Co. (Saddle) .....X  
Peters Harness & Saddlery Co. (Saddle) .....O  
**N. J.**—Trenton  
Roebblings Sons Co. (Wire Rope) .....AAAA  
Trenton Iron Co. (Wire Rope) .....A

**CLIPS (Con.)**

**N. Y.—Auburn**  
 Clapp Mfg. Co., E. D. (Axle; Saddle) ..... B  
 Eccles, Richard (Saddle; Axle) ..... A  
**N. Y.—Buffalo**  
 Contractors' Plant Mfg. Co., 129 Erie (Wire Rope) B  
 Shepard & Co., Sidney (Damper) ..... A  
**N. Y.—Interlaken**  
 Covert's Saddlery Works (Hame) ..... C  
**N. Y.—Lockport**  
 Merritt Mfg. Co. (Veneer) D  
**New York City**  
 Attleboro Stock Co., 520 Bway. (Stationers) ... X  
 Cushman & Dennison, 174 9th Av. (Stationers') ... B  
 Faber, Eberhard, 545 Pearl (Paper) ..... A  
 Hurd & Co., 570 Bway. (Sleeper; Timber) ... D  
 Judd & Co., H. L., 87 Chambers (Stationers') ... A  
 Niagara Clip Co., 37 Park Pl. (Paper) ..... D  
 Pratt Mfg. Co., 167 Wooster (Stationers') ..... B  
 Spencerian Pen Co., 450 Broome (Stationers') ... A  
**N. Y.—Niagara**  
 Dobbie Fdry. & Mach. Co. (Wire Rope) ..... D  
**OHIO—Canton**  
 Elbel & Co. (Hame) ..... A  
**OHIO—Cincinnati**  
 Cincinnati Railway Supply Co., 13 E. 2nd (Wire Rope) ..... A  
 Globe-Wernicke Co. (Stationers') ..... A  
 Tatum Co., Saml. C. (Paper; Stationers') ..... B  
**OHIO—Cleveland**  
 Cleveland Hdw. Co. (Neck Yoke) ..... A  
 Cleveland Wire Spring Co. (Connecting; Upholstering Spring) ..... A  
 Taylor & Boggis Fdry. Co. (Damper) ..... A  
**OHIO—Columbus**  
 Columbus Belt Wks. (Saddle) ..... A  
 Lanman, E. B. .... B  
**OHIO—Cuyahoga**  
 Byers Machine Co., Jno. F. (Wire Rope) ..... B  
**OHIO—Toledo**  
 Weis Binder Co., 168 La Grange (Stationers') ... D  
**PA.—Philadelphia**  
 Berger Bros. Co., 231 Arch (Damper) ..... A  
 Philadelphia Novelty Mfg. Co., 13th & Noble (Paper; Stationers') ..... D  
**PA.—Pittsburg**  
 Lanz & Son, Mathew, 101 S. 20th (Wire Rope) ... A  
**PA.—Scranton**  
 Scranton Forging Co. (Axle; Spring Bar) ..... A  
**PA.—Wilkesbarre**  
 Hazard Mfg. Co. (Wire Rope) ..... A  
**PA.—Williamsport**  
 Williamsport Wire Rope Co. (Wire Rope) ..... A  
**R. I.—Providence**  
 Barstow & Williams (Paper) C  
 Textile Finishing Mchry. Co. (Tenter) ..... A  
 Winsor & Jerauld Mfg. Co. (Tenter) ..... C  
**VT.—Montpelier**  
 U. S. Clothes Pin Co. (Carriage Trimmers') ..... D

**CLOAKINGS**

See Wollen Goods

**CLOAKS**

See Clothing; Ladies'

**CLOCKS****CONN.—Ansonia**

Phelps &amp; Bartholomew Co. (Marine; Alarm; Calen-

**CLOCKS (Con.)**

der; Hanging; Lever; Nickel; Office; School; Fancy) ..... C  
**CONN.—Bridgeport**  
 Bridgeport Brass Co. .... A  
**CONN.—Bristol**  
 Bristol Brass & Clock Co. .... A  
**INGRAHAM CO., E. (Marine; Wooden Case; Calendar; Gallery; Hanging; Lever; Mantle) ..... A**  
**NATURAL SELF WINDING**  
 Clock Co. (English Hall; Self Winding Electric, Synchronized Systems) . X  
**CONN.—Forrestville**  
 Sessions Clock Co. (Wooden Case; Fancy) ..... A  
 Welch Mfg. Co., E. N. (Calendar; Alarm; Hanging; Locomotive; Mantle; Marine; Ships Bells; Office; Regulator) ..... X  
**CONN.—Meriden**  
 Parker Clock Co. .... A  
**CONN.—Middletown**  
 Annual Wind Clock Co. ... X  
**CONN.—New Haven**  
 New Haven Clock Co. (Marine; Alarm; Cabinet; Calendar; Elect. Street Post; Gallery; Hanging; Lever; Mantle; Night; Novelty; Office; Watchmaker's Regulator; Watchmen's Electric; Window; Chiming; Bronze; Fancy; Nickel; Astronomical) ... A  
 Reeves Mfg. Co. (Electric; Self Winding Electric) . C  
**CONN.—Plainville**  
 Plainville Clock Co. .... X  
**CONN.—Thomaston**  
 Thomas Clock Co., Seth (Astronomical; Chiming; Street; Tower; Wooden Case) ..... A  
**CONN.—Waterbury**  
 Standard Electric Time Co. (Programme; Self Winding Electric; Tower) ... E  
 Waterbury Clock Co. (Marine; Fancy; Iron Case; Nickel; Wooden Case; Alarm; Cabinet; Calendar; Fancy Brass; Gallery; Hanging; Lever; Mantle; Nickel; Novelty; Office; Regulator; School; Street; Watchmakers') ... A  
**CONN.—Winsted**  
 Gilbert Clock Co., W. L. (Wooden Case; Iron Case; Locomotive; Marine; Calendar; Alarm; Carriage Alarm; Hanging; Lever; Mantle; Nickel; Office; Regulator) ..... A  
 Goodwin & Kintz Co. .... D  
**ILL.—Chicago**  
 Altman & Co., 69 Dearborn (Watchmans') ..... X  
 American Clock Co., Wabash Av. & 20th (Electric; Pneumatic) ..... B  
 Baird Mfg. Co. (Advertising; Hall; Novelty; Plaque; Wooden Case) ... C  
 Crown Mfg. Co., 84 Wabash Av. .... D  
 Kuehl & Co., Geo., 178 E. Randolph (Cuckoo) ..... B  
 Marsh & Co., J. P., 224 Wash'n. (Locomotive; Marine) ..... B  
 Turnquist, C. M., 442 Van Buren (Electric; Electric Alarm) ..... H  
**ILL.—La Salle**  
 Western Clock Mfg. Co. (Novelty; Nickel Traveling; Alarm; Fancy) ... A  
**MASS.—Boston**  
 American Steam Gauge & Valve Mfg. Co. (Marine; Engine Room; Locomotive) ..... C  
 Ashton Valve Co. (Marine) A  
 Automatic Time Stamp & Register Co., 160 Congress (Time Recording System) E  
 Blodgett Bros. & Co., 141

**CLOCKS (Con.)**

Franklin (Electric; Programme; Self Winding Electric) .....E  
 Chelsea Clock Co., 16 State (Ship Bell Striking) ....C  
 Crosby Steam Gauge & Valve Co., 95 Oliver (Locomotive; Marine) .....AA  
 Eco Magnetic Clock Co., 620 Atlantic Av. (Watchman's) .....C  
 Gilbert Clock Co., Mrs. L., 373 Washington .....AA  
 Hersey Mfg. Co., 314 W. 2d (Watchman's) .....AA  
 Howard Clock Co., E. 408 Washington (Electric; Office; House; Locomotive; Engine Room; Marine; Programme; Watchman's; Tower) .....B  
 Stevens, G. M., 15 Chardon (Tower) .....B  
 Ziegler Apparatus Co., 200 Summer (Electric Alarm; Watchman's) .....E  
**MASS.—Brookline**  
 Holtzer-Cabot Electric Co. (Watchman's) .....A  
**MASS.—Gardner**  
 Simplex Time Recorder Co. (Watchman's) .....D  
**MASS.—South Boston**  
 Hersey Mfg. Co. (Watchmen's Electric; Watchmen's Time Detectors) AA  
**MASS.—Waltham**  
 Waltham Clock Co. ....C  
**MICH.—Detroit**  
 King & Rogers .....D  
**MICH.—Grand Rapids**  
 Grand Rapids Clock & Mantle Co. (English Hall) ..D  
 Waggoner Watchman Clock Co. (Watchman's) .....X  
**MO.—St. Louis**  
 Sempire Clock Co., 1308 N. 16th (English Hall; Self Winding; Electric; Synchronized Systems) .....D  
**N. J.—East Orange**  
 Export Specialty Co. (Electric Alarm) .....X  
**N. J.—Jersey City**  
 New York Standard Watch Co. (Electric Alarm) AAA  
**N. Y.—Binghamton**  
 International Time Recorder Co. (Time-Recording System) .....B  
 Star Electric Co. (Electric Alarm) .....D  
**N. Y.—Brooklyn**  
 Schaffer & Rudenberg, 10 Division (Locomotive; Marine) .....A  
 Self Winding Clock Co., 163 Grand Av. (Electric; Programme; Self Winding Electric; Synchronized Systems; Tower; Watchman's) .....B  
**N. Y.—Ithaca**  
 Ithaca Calendar Clock Co. (Hall; Calendar) .....B  
**N. Y.—Kingston**  
 Moore Bronze & Plate Co., E. M. ....D  
**New York City**  
 American Watchman's Time Detector Co., 234 B'way (Self Winding Electric; Synchronized Systems; Time Recording System; Watchman's; Electric Street Post; School)....F  
 Ansonia Clock Co., 11 Cliff (Marine; Alarm; Bank; Cabinet; Calendar; Chiming; Elect. Street Post; Hall; Hanging; Lever; Mantle; Nickel; Novelty; Office; Precision; Regulator; School; Swinging; Watchmaker's Regulator; Window; Bronze; Chiming; Fancy) .....AAAA  
 Ashcroft Mfg. Co., 111 Liberty (Locomotive; Marine) A  
 Bing & Co., Ferd., 10 Wash. Pl. (Art) .....A  
 Bogart Co., A. L., 123 Liberty (Electric) .....F

**CLOCKS (Con.)**

Bunnell Co., J. H., 20 Park Pl. (Electric Alarm; Watchman's) .....A  
 Bunnell Telegraphic & Electric Co., 110 Beekman (Synchronized Systems).X  
 Edwards & Co., 144th & 4th Av. (Electric; Electric Alarm; Programme; Self Winding Electric; Synchronized Systems; Time Recording Systems; Watchman's; School)....C  
 Glaenger Freres & Rheinbolt, 26 Washington (Art) A  
 Globe Clock Co., 50 Maiden Lane (Nickel) .....X  
 Harris & Harrington, 32 Vesey (Art) .....B  
 Hausberg, E. O., 45 Maiden Lane (Watchman's) ....E  
 Herzog Teleseme Co., 51 W. 24th (Electric; Programme; Self Winding; Electric; Synchronized Systems) .....D  
 Hoppe, Paul S., 34 Church (Watchman's) .....D  
 Howard Clock Co., E., 41 Maiden Lane (Electric; Secondary Electric; Marine; Programme; Synchronized Systems; Time Recording System; Watchman's; Electric Tower).A  
 Imhauser & Co., E., 206 B'way (Watchman's; Watchman's Electric) .C  
 Jones & Son, J., 64 Cortlandt (Electric Alarm; Electric Light; Out-out)F  
 Kilbourne Mfg. Co., 45 Maiden Lane .....X  
 Kroeber Clock Co., F., 360 B'way (Alarm; Bank; Cabinet; Electric Street Post; Hanging; Lever; Locomotive; Mantle; Nickel; Novelty; Office) .....X  
 Manhattan Electrical Supply Co., 32 Cortlandt (Electric Alarm) .....A  
 Myers Co., S. F., 48 Maiden Lane (Nickel) .....D  
 Nanz, G., 127 Duane (Watchman's) .....F  
 Ostrander & Co., W. R., 22 Dey (Electric Alarm; Watchman's) .....B  
 Pattengell Son & Co., C. E., 51 Cliff (Watchman's).X  
 Pearce, Frederick, 18 Rose (Electric; Electric Alarm) B  
 Pettes & Randall Co., 150 Nassau (Electric; Synchronized Systems; Watchman's) .....F  
 Prentiss Clock Improvement Co., 49 Dey (Electric; Programme; Synchronized Systems; Tower; Watchman's; Calendar; Frying Pan; School) .....D  
 Roche, Wm., 42 Vesey (Electric Alarm) .....D  
 Rousseau's Electrical Wks., 329 4th Av. (Watchman's) X  
 Stanley & Patterson, 93 Liberty (Electric Alarm).A  
 Strauss & Sons, L., 42 Warren (Art) .....AAAA  
 Sussfeld, Lorsch & Co., 37 Maiden Lane (Art) ..AA  
 Swiss Clock Co., 65 Barclay (Cuckoo; Minature) ...X  
 Thomas Clock Co., Seth, 49 Maiden Lane (Electric; Locomotive; Marine; Tower; Alarm; Cabinet; Astronomical; Calendar; Chiming; Gallery; Hall; Hanging; Lever; Luminous Dial; Mantle; Novelty; Office; Precision; Regulators; School; Street) .....AAA  
 Year Clock Co., 79 Crosby.D

**CLOCKS (Con.)**

**N. Y.—Poughkeepsie**  
Wells & Coutant Co.  
(Marine) .....C  
**N. Y.—Rochester**  
Bradley & Co., E. C., 15  
Stone (Electric Alarm)...H  
**N. Y.—Syracuse**  
Automatic Clock Co.  
(Automatic) .....X  
Day Time Register Co., 303  
N. State (Time Recording  
System) .....A  
**OHIO—Cincinnati**  
Herschede Hall Clock Co.,  
1011 Plum .....B  
**OHIO—Cleveland**  
American Watchman's Time  
Detector Co., 45 Sheriff  
(Electric; Self Winding  
Electric; Synchronized  
Systems; Watchman's)...E  
**OHIO—Woodsville**  
Shields Universal Clock Co.  
X  
**PA.—Danville**  
Rempe Mfg. Co. ....B  
**PA.—Philadelphia**  
American Cuckoo Clock Co.,  
628 N. 5th .....B  
Belfield & Co., H., 435 N.  
Broad (Locomotive) ...AA  
Patrick, Carter & Wilkins,  
1231 Callowhill (Electric  
Alarm) .....B  
Riggs & Bro., 310 Market  
(Watchman's; Electric &  
Portable House; Office;  
Locomotive; Engine  
Room; Marine; Non-Mag-  
netic; Programme) ....B  
Smith & Co., Geo. W., 3904  
Powelton Av. ....A  
Sommer Clock Mfg. Co.,  
1027 Columbia Av.  
(Cuckoo) .....G  
**PA.—Pittsburg**  
Byers & Co., A. M. (Calen-  
dar) .....AA  
**PA.—Waynesboro**  
Frick Clock Co., Fred.  
(Programme; Self Wind-  
ing; Electric) .....F  
**R. I.—Pawtucket**  
Killam & Co. (Banjo) ....E  
**R. I.—Providence**  
Durflee & Co., Walter H.  
(Hall) .....D  
**W. VA.—Wheeling**  
Poole Clock Co. (Electric) X  
**WIS.—Milwaukee**  
Johnson Electric Service  
Co. (Pneumatic; Pro-  
gramme; Time Recording  
System; Tower) .....AA

**CLOGS**

**N. Y.—Buffalo**  
Buffalo Sash Works .....B

**CLOSETS**

See also Furniture

**CAL.—San Francisco**  
Holbrook, Merrill & Stetson,  
221 Market (Water Com-  
binations) .....AAAA  
**CONN.—Hartford**  
Howard & Co., James L.  
(Car) .....A  
**CONN.—New Haven**  
Peck Bros. & Co. (Water  
Combinations) .....AA  
**DEL.—Wilmington**  
Speakman Supply & Pipe  
Co., 113 Market (Water) B  
**ILL.—Chicago**  
Adams & Westlake Co., On-  
tario & N. Franklin  
(Car) .....AAAA  
Clow & Sons, Jas. B., 344  
Franklin (School; Insti-  
tution, etc.; Water)....AAAA  
Ill. Malleable Iron Co., 30  
W. Monroe (Water;  
School; Institution, etc.)  
AAAA  
Kelly & Bros., Thos., 76 W.  
..Jackson Boul. (Water;  
Self-acting) .....B

**CLOSETS (Con.)**

McDonald Co., A. Y., 111  
Lake (Water) .....B  
Sprague, Smith & Co., 72-84  
Moffat (China) .....C  
Wolff Mfg. Co., L., 117 W.  
Lake (Water) .....AAAA  
**ILL.—Rockford**  
Central Furniture Co.  
(China) .....A  
**IND.—Ft. Wayne**  
Knott-Van Arnham Mfg. Co.  
(Water) .....B  
**IND.—Wabash**  
Wabash Cabinet Co. (Tele-  
phone; Cabinet) .....A  
**MD.—Baltimore**  
Robertson Mfg. Co., Jas. 30  
Hanover (Water) .....A  
**MASS.—Boston**  
Bangs Druggists' Fixture  
Co. (Poison) .....B  
Dalton-Ingersoll Co., 171  
High (Water) .....X  
Deceo Co., 146 High  
(Water) .....D  
Grundy Brass Wks., 50  
Sudbury (Water; Yacht) F  
Hercules Iron & Supply Co.,  
427 Coml. (Water) ....A  
Phillips Flushing Tank Co.,  
197 High (Water) .....E  
Sanitas Mfg. Co. (Smith &  
Anthony Co.), 48 Union  
(Water) .....A  
Sumner & Goodwin Co., 287  
Congress (Water) .....B  
Vannevar & Co., Edmund B.,  
58 Fulton (Water) ....H  
**MICH.—Detroit**  
Hamilton, Jno. H., 22 Laf.  
Av. (Water) .....H  
Park & McKay Co., 55 Bag-  
ley Av. (Water) .....C  
Standard Sanitary Mfg. Co.,  
of Mich., 942 Champlain  
Water) .....AAAA  
Walker & Son, Jas. (Water)  
A  
**MICH.—Grand Rapids** ...  
New England Furniture Co.  
(China) .....A  
**MICH.—Muskegon**  
Heap, Wm. (Water; Dry  
Earth) .....D  
**MO.—St. Louis**  
Nelson Mfg. Co., N. O., 424  
N. 8th (Water; School; In-  
stitution, etc.) .....AAA  
White Sanitary Co., Peter  
(Water) .....D  
**N. J.—Jersey City**  
Jersey City Supply Co., 12  
Mercer (Water) .....C  
**N. J.—Trenton**  
Maddock & Sons, Thos.  
(Water) .....AA  
Trenton Potteries Co.  
(Water) .....AAA  
**N. Y.—Albany**  
Hyde, Clinton (Water) ...X  
**N. Y.—Brooklyn**  
Ronalds & Johnson Co., 51  
Boerum Place (Water) AA  
**N. Y.—Buffalo**  
Jewett Mfg. Co., Jno. C.  
(Cake) .....AA  
Zero Valve & Brass Mfg.  
Co., 296 Seneca (Water) F  
**New York City**  
Adee & Co., Fred., 92 Beek-  
man (Water; School; In-  
stitution, etc.) .....C  
American Steel House Co.,  
796 11th Av. (Park) ...D  
Colwell Lead Co., 63 Centre  
(Water) .....AA  
Dimock & Fink Co., 220 E.  
125th (Water) .....AA  
DuBois & Co., F. N., 245 8th  
Av. (Water) .....AAA  
Haydenville Co., 73 Beek-  
man (Water) .....A  
Hoffman, Jr. Co., Chas., 242  
Water (Water) .....X  
Huber Co., Henry, 244 5th  
Av. (Water; School; Insti-  
tution, etc.) .....D  
Husser & Son, Wm. H., 150  
W. 35th (Water) .....B  
Kenney Mfg. Co., 36 E. 22d  
(Water; School; Insti-  
tution, etc.) .....D  
McNab and Harlin Mfg. Co.,  
56 John (Water) .....AAA

**CLOSETS (Con.)**

Mason & Co., J. W., 406  
 Pearl (China) .....D  
 Mayor, Lane & Co., 128  
 White (Water) .....A  
 Meyer-Sniffen Co. (Ltd.) 5  
 E. 19th (Water; School;  
 Institution, etc.) .....A  
 Mott Iron Wks., J. L., 88  
 Beekman (Water; School;  
 Institution, etc.) .....AA  
 Reynolds Plumbers' Supply  
 Co., M., 25 Centre  
 (Water) .....B  
 Schloss & Co., E., 504 Cherry  
 (China) .....A  
 N. Y.—Troy  
 Aird-Don Co. (Water) ....A  
**OHIO—Cincinnati**  
 Crane & Hawley Co., Court  
 cor. Syracuse (Water) ...A  
 Douglas Co., Jno., 906 Pop-  
 ular (Water) .....A  
 Gibson Co., Thos., 633 Wal-  
 nut (Water) .....D  
 Lipp Co., Louis (Water) A  
 Mitchell Furn. Co., Robert,  
 111 W. 4th (China) AAAA  
 Peck-Williamson Heating &  
 Ventilating Co. (Water)  
 AA  
 Pfau Mfg. Co., 536 Reading  
 Rd. (Water) .....B  
 Tygart Fire Brick Co., 706  
 Burns (Fire) .....C  
 Wiggers & Sons Furn. Co.,  
 H. H. (China) .....B  
**OHIO—Cleveland**  
 Fisher Co., E. W., 251 Super-  
 ior (Water) .....B  
**OHIO—Columbus**  
 Columbus Brass Co. (Water)  
 A  
**OHIO—Dayton**  
 Dayton Mfg. Co. (Car) ...A  
**OHIO—Hamilton**  
 Sanitary Mfg. Co. (Water)  
 B  
**OHIO—Toledo**  
 National Supply Co., 1 St.  
 Clair (Water) .....AAAA  
**PA.—Philadelphia**  
 Blessing, C. A., 515 Mont  
 gomery (Water) .....AA  
 Cooper Brass Wks., W. S.  
 (Water) .....B  
 Fleck Bros., 44 N. 5th  
 (Water) .....A  
 Froelich Bros., 142 N. 7th  
 (Water) .....A  
 Halmes, Jones & Cadbury  
 Co., 1136 Ridge Av.  
 (Water) .....AA  
 McCambridge & Co., 527  
 Cherry (Water) .....B  
 Walls & Pearsall, 307 N.  
 12th (Water) .....A  
**PA.—Pittsburg**  
 Bailey-Farrell Mfg. Co.  
 (Water) .....AA  
 Fort Pitt Supply Co., 525  
 Wood (Water) .....B  
 Pittsburg Brass Mfg. Co.,  
 107 Wood (Water) ....D  
 Pittsburg Supply Co., 226 1st  
 Av. (Water) .....A  
 Standard Mfg. Co. (Range;  
 Water) .....AA  
 Standard Sanitary Mfg. Co.,  
 Arrott Bldg. (Water;  
 School; Institution, etc.)  
 AAAA  
**R. I.—Providence**  
 Brown & Sharpe Mfg. Co.  
 (Factory Sanitary), AAAA  
 Tillinghast Supply Co., L. H.  
 (Water) .....C  
**WIS.—Milwaukee**  
 Rundle-Spence Mfg. Co.  
 (Water) .....A  
**WIS.—Sheboygan**  
 Kohler Sons Co., J. M.  
 (Water; School; Institu-  
 tion, etc.) .....A

**CLOTH**

See also Cotton Goods; Wool-  
 en Goods; Oil Cloth; see  
 also Cloths  
**CAL.—San Francisco**  
 California Artistic Metal &  
 Wire Co., 539 Missouri  
 (Wire) .....D  
 California Wire Cloth Co., 8  
 Pine (Wire) .....D

**CLOTH (Con.)**

**COLO.—Denver**  
 Denver Wire & Iron Wks.  
 Co., 1403 Market (Wire)  
 D  
**CONN.—Georgetown**  
 Gilbert-Bennett Mfg. Co.  
 (Wire; Brass Wire; Cop-  
 per Wire; Galvanized  
 Wire; Iron Wire; Lathing  
 Wire; Rice Wire; Smut  
 Wire; Spark Wire; Steel  
 Wire; Tanning Mill Wire;  
 Tinned Wire; Window  
 Screen Wire) .....AAA  
**CONN.—Middletown**  
 Palmer, I. E. (Hammock  
 Wire; Screen Wire; Decor-  
 ated; Window Screen  
 Wire; Imitation Wire;  
 Piano) .....AAA  
**CONN.—New Haven**  
 McClusky & Sons, H. & T.  
 (Brass Wire; Paperma-  
 kers' Wire) .....F  
**CONN.—Southport**  
 Jelliff Mfg. Corp'n (Wire) C  
**ILL.—Chicago**  
 Allis-Chalmers Co., Home  
 Ins. Bldg. (Bolting)  
 AAAA  
 Barbee Wire & Iron Wks.,  
 44 Dearborn (Wire; Screen  
 Wire) .....B  
 Booth, Jno., 116 E. Lake  
 (Wire) .....B  
 Smith Wire & Iron Wks.,  
 F. P., 100 Lake (Wire)  
 AA  
 Voss, Fred., 617 Austin Av.  
 (Wire) .....B  
**ILL.—Dixon**  
 Reynolds Wire Co. (Wire)  
 B  
**IND.—Indianapolis**  
 Nordyke & Marmon Co., 1101  
 W. Morris (Silk; Wire  
 Bolting) .....AAA  
**KANS.—Leavenworth**  
 Great Western Mfg. Co.  
 (Bolting) .....AA  
**KY.—Louisville**  
 Dow Wire Wks. Co., 730 W.  
 Market (Wire) .....D  
**MD.—Baltimore**  
 Dufur & Co., 311 N. Howard  
 (Wire; Bolting) .....B  
**MASS.—Boston**  
 American Cotton Mills Co.  
 (Cheese) .....F  
 Morss and Whyte, 75 Corn-  
 hill (Wire) .....AAA  
 White & Co., Oliver, 17  
 Cornhill (Wire) .....O  
**MASS.—Clinton**  
 Clinton Wire Cloth Co.  
 (Wire; Bolting; Brass  
 Wire; Copper Wire;  
 Crimped Wire; Galvanized  
 Wire; Iron Wire; Lathing  
 Wire; Locomotive Spark  
 Wire; Malt Kiln Wire;  
 Mining Wire; Rice Wire;  
 Screen Wire; Smut Wire;  
 Snark Wire; Steel Wire;  
 Strainer Wire; Sugar  
 Wire; Tanning Mill Wire;  
 Tinned Wire; Window  
 Screen (Wire) .....AAA  
**MASS.—Holyoke**  
 Buchanan & Bolt Wire Co.  
 (Wire) .....B  
**MASS.—Leeds**  
 Northampton Emery Wheel  
 Co. (Emery) .....A  
**MASS.—Springfield**  
 Bigelow-Cheney Wire Wks.  
 (Wire; Brass Wire; Cop-  
 per Wire; Crimped Wire;  
 Galvanized Wire; Iron  
 Wire; Lathing Wire; Pa-  
 permakers' Wire; Sugar  
 Wire) .....X  
**MASS.—Worcester**  
 Deane & Co., Henry E., 233  
 Arch (Wire) .....E  
 Nat'l Mfg. Co., (Wire;  
 Strainer Wire) .....A  
 Wright Wire Co. (Wire;  
 Battery Wire; Bolting  
 Wire; Brass Wire; Cop-  
 per Wire; Crimped Wire;  
 Fruit Drving Wire; Gal-  
 vanized Wire; Iron Wire;  
 Lathing Wire; Locomotive

**CLOTH (Con.)**

Wire; Malt Kiln Wire;  
Mining Wire; Rice Wire;  
Spark Wire; Steel Wire;  
Strainer Wire; Tanning  
Mill Wire; Tinned Wire;  
Window Screen) .....AA

**MICH.—Detroit**

Barnum Wire & Iron Wks.,  
. T., 99-105 Shelby (Wire) D

Michigan Wire Cloth Co.,  
500 Howard (Steel, Brass,  
Copper Wire; Bolting  
Wire; Fruit Drying Wire;  
Galvanized Wire; Iron  
Wire; Malt Kiln Wire;  
Tanning Mill Wire)... AA

**MO.—Kansas City**

Kansas City Wire & Iron  
Wks., 1428 Oak (Wire) A

**MO.—St. Louis**

Lasar-Letzig Mfg. Co., 1124  
Wash. Av. (Wire) .....C  
Ludlow-Saylor Wire Co.,  
16th & O'Fallon (Wire;  
Window Screen Wire) AA

**N. J.—Belleville**

De Witt Wire Cloth Co.  
(Wire; Brass, Copper,  
Iron, Mining Wire; Paper-  
makers' Wire; Strainer,  
Sugar Wire; Window  
Screen) .....A

Eastwood Wire Mfg. Co.  
Wire; Battery Wire; Bolt-  
ing; Copper, Crimped, Gal-  
vanized Wire; Iron Wire;  
Papermakers' Wire; Rice  
Wire; Smut Wire; Spark  
Wire; Strainer, Sugar  
Wire; Twilled Brass) ...A

**N. J.—Harrison**

Stanlar & Laffey Wire Co.  
(Wire) .....B

**N. J.—Newark**

Heath & Son, E. F. (Rub-  
ber; Enamel Carriage) AA

**N. J.—Trenton**

Consolidated Rubber Co.  
(Rubber; Carriage) .....C  
New Jersey Wire Cloth Co.  
(Wire; Window Screen  
Wire) .....A

**N. Y.—Brooklyn**

Richardson, F. G., 403  
Hewes (Wire; Brass, Cop-  
per, Iron Wire; Bolting) D

**N. Y.—Buffalo**

American Buffalo Robe Co.,  
1 Howell (Astrakhan Fur) A

Buffalo Weaving & Belting  
Co. (Bolting; Webs) ...A

Buffalo Wire Wks. Co.  
(Window Screen Wire;  
Wire) .....A

**N. Y.—Cortland**

Wickville Bros. (Wire; Gal-  
vanized Wire; Iron; Win-  
dow Screen Wire) .AAAA

**New York City**

American Cotton Mills Co.  
(Cheese) .....B  
Am. Felting Wks. (Asbes-  
tos) .....D

Behr & Co., Herman (Em-  
ery) .....AA

Cable Excelsior Wire Mfg.  
Co., Wm., 44 Fulton  
(Wire; Brass, Copper,  
Iron, Galvanized Wire;  
Lathing Wire; Fruit Dry-  
ing Wire) .....B

Estey Wire Wks. Co., 50  
Fulton (Wire; Bolting) .D

Gilbert & Bennett Mfg. Co.,  
277 Bway. (Wire; Brass,  
Copper, Iron, Galvanized  
Wire; Lathing Wire; Rice,  
Smut, Spark, Steel Wire;  
Tanning Mill Wire; Tin-  
ned Wire; Window Screen  
Wire) .....AAA

Howard & Morse, 45 Fulton  
(Wire; Battery Wire; Bolt-  
ing; Brass, Copper, Gal-  
vanized, Iron Wire; Lath-  
ing Wire; Locomotive  
Spark Wire; Malt Kiln  
Wire; Mining Wire; Pa-  
permakers' Wire; Phos-  
phor Bronze Wire; Rice,  
Smut, Spark Wire; Steel

**CLOTH (Con.)**

Wire; Sugar Wire; Steel,  
Tinned Wire; Tanning  
Mill Wire) .....D  
Johns H. W.-Manville Co.,  
100 William (Asbestos) AAAAA

Keuffel & Esser Co., 127  
Fulton (Tracing) .....AA

Lloyd Co., W. H. S., 26 E.  
22d (Grass Decorative) .F

Mica Insulator Co., 218  
Water (Insulating) ....B

Mineralized Rubber Co., 18  
Cliff (Brattice) .....A

Moses, Lionel, 36 E. 22d  
(Japanese Grass) .....D

New York Wire Cloth Co.,  
102 Chambers (Wire; Iron  
Wire; Tinned, Window  
Screen Wire) .....AA

Roebblings Sons Co., Jno. A.,  
117 Liberty (Wire; Cop-  
per, Crimped, Galvanized,  
Iron Wire; Lathing Wire;  
Locomotive Spark Wire;  
Mining Wire; Rice, Smut,  
Spark Wire; Strainer  
Wire; Tanning Mill Wire;  
Window Screen Wire) AAAAA

Roberts, Edw. Craig, 13 E.  
30th (Grass) .....X

Standard Paint Co., 100 Wil-  
liam (Insulating; Moth) A

Standard Table Oil Cloth  
Co., 320 Bway. (Oil) AAAAA

Williams & Sons, Geo. A., 85  
Fulton (Wire) .....X

N. Y.—Niagara Falls  
Carborundum Co. (Carcorun-  
dum) .....A

N. Y.—Rochester  
Snow Wire Wks. Co., 76 Ex-  
change (Wire) .....D

N. Y.—Rockville Centre  
Tristram, Jas. J. (Wire) ..E

N. Y.—Syracuse  
Syracuse Wire Wks. (Wire) D

OHIO—Cincinnati  
Bromwell Brush & Wire Gds.  
Co. (Wire) .....AA

Cincinnati Mfg. Co., 512  
Main (Wire) .....B

OHIO—Cleveland  
Barthett & Snow Co., C. O.  
(Bolting) .....A

Tyler Co., W. S., 1150 St.  
Clair (Wire; Window  
Screen Wire) .....AAAA

OHIO—Columbus  
Case Mfg. Co. (Bolting) ...A

OHIO—Hamilton  
Myers Mfg. Co., Fred'k J.  
Wire; Window Screen  
Wire) .....B

OHIO—Newark  
Reed Wire Cloth Co. (Wire) B

OHIO—Tiffin  
Sterling Emery Wheel Mfg.  
Co. (Emery) .....A

PA.—Hanover  
Hanover Wire Cloth Co.  
(Wire) .....A

PA.—Muncy  
Sprout, Waldron & Co.  
(Silk; Wire Bolting) ...A

PA.—New Freedom  
New Freedom Wire Cloth Co.  
(Wire Screen) .....A

PA.—Philadelphia  
Baeder, Adamson & Co.  
(Emery) .....AAAA

Barton Son & Co., H. H.  
(Emery) .....A

Darby & Sons, Edw., 233  
Arch (Wire; Brass, Cop-  
per, Iron, Galvanized  
Wire; Steel Wire) .....A

Hanifen & Co., Jno. E., Sav-  
ery & East Thompson (As-  
trakhan) .....AA

Latimer & Co., R. L., 21 N.  
Front (Rolling) .....C

Merritt & Co., 1024 Ridge  
Av. (Wire; Copper Wire) B

Phosphor Bronze Smelting  
Co. (Ltd.) 2200 Wash. Av.  
(Wire; Phosphor Bronze  
Wire) .....A

Strawbridge & Chase Co.  
(Ltd.), 228 Arch (Wire).F

**CLOTH (Con.)**  
 Weigand, C. A. (Window Shades) .....F  
**PA.—Pittsburg**  
 Pittsburg Insulating Co. (Insulating Linen) .....B  
**E. I.—Bristol**  
 National India Rubber Co. (Insulating) .....AAAA  
**E. I.—Pawtucket**  
 American Hair Cloth Co. (Fibre) .....AA  
**E. I.—Providence**  
 What Cheer Wire Wks. (Wire) .....F

## CLOTHING CARD

**CONN.—Stafford Springs**  
 Beckwith Card Co. ....B  
**ILL.—Chicago**  
 Street & Co., R. R., 186 Wash. ....A  
**MASS.—Boston**  
 English Co., O. R., 204 Summer .....E  
 Leigh Evan Arthur, Mason Bldg. ....B  
 McKerrrow & Co., H. G., 31 State .....X  
 Riley & Co., C. E., 65 Franklin .....A  
 Stoddard, Haserick, Richards & Co., 152 Congress .....B  
**MASS.—Fall River**  
 Ashworth, Elijah .....X  
**MASS.—Leicester**  
 Watson Mfg. Co., L. S. ....B  
**MASS.—Lowell**  
 Bagshaw, W. H. (Est. of) .....B  
 Kitson Machine Co. ....AAA  
 Stott, S. E. & T. ....X  
**MASS.—N. Andover Depot**  
 Davis & Furber Mach. Co. ....AA  
**MASS.—Walpole**  
 Walpole Card Clothing Co. ....D  
**MASS.—Worcester**  
 American Card Clothing Co. ....AAA  
 Howard Bros. Mfg. Co. ....A  
**N. J.—Newark**  
 Crabb & Co., Wm .....A  
**PA.—Philadelphia**  
 Booth & Co. (Ltd.) Benj., 1715 Bodine .....C  
 Hammer, Jr. & Co., C. H., 423 Belgrade .....D  
 Jefferson & Bro., Edw., 127 So. 2d .....D  
 Smith & Co., James, 411 Race .....B  
 Smith Woolen Mchry. Co., James, 411 Race .....AA

## CLOTHING LADIES', CHILDREN'S & INFANT'S

**CAL.—Los Angeles**  
 Coulter Dry Gds. Co. (Suits, Dresses, Skirts) .....A  
**CAL.—San Francisco**  
 Juda Bros. (Silk, Woolen & Wash Waists) .....D  
 Kelly & Liebes (Cloaks, Dresses, Silk Waists) .....B  
 Konig Max & Co. (Waists) .....D  
 Neubauer Bros. (Silk & Wash Waists) .....D  
 Rothschild, A. & Co. (Skirts, Suits, Cloaks, Waists) .....B  
**COLO.—Denver**  
 Daniels & Fisher Stroes Co. (Wrappers, Waists, Suits) .....AAA  
**CONN.—Bridgeport**  
 Hatheway Mfg. Co. ....D  
**CONN.—Hartford**  
 Wise, Smith & Co. (Cloaks) .....A  
**CONN.—Norwalk**  
 Hutchinson, Pierce & Co. (Waists) .....AAA  
**ILL.—Chicago**  
 Abramhamson & Klein

**CLOTHING, LADIES' & C**  
 (Cloaks, Jackets, Capes) .....B  
 Bartlett-Lincoln Co. (Shirt-waists, Coats, Skirts) .....D  
 Belfield, Kirsch & Kline (Cloaks) .....A  
 Chicago Novelty Cloak Co. (Suits, Cloaks) .....AAAA  
 Dernberg Mfg. Co. (Dress, Walking Skirts) .....C  
 Farwell, John V., Co. (Suits, Cloaks, Wrappers, Dresses) .....AAAA  
 Friend, Henry .....B  
 Ginsburg Bros. (Silk Dress Skirts, Waists, Petticoats) .....C  
 Grossman, Edward B. & Co. (Suits, Cloaks, Skirts) .....B  
 Grossman, Herman & Co. (Chicago Cloak Co.) (Cloaks) .....B  
 Harshberger, Chas. R. (Shirt Waists) .....D  
 Hellprin, L. & Co. (Suits; Cloaks) .....AAA  
 Hoyt & Co., G. W. (Wrappers, Waists, Skirts) .....B  
 Marcus Solms & Son (Suits; Skirts) .....A  
 Leaser & Co., Levi (Shirt Waists) .....C  
 Neelands, T. D. (Waists, Suits) .....D  
 Opoznauer & Lipman (Waists; Suits) .....D  
 Palmer, Percival B. & Co.; also Childrens' (Suits; Cloaks) .....A  
 Parkside Mfg. Co. (Shirt Waists) .....C  
 Samson & Jacobs (Skirts, Cloaks, Suits) .....C  
 Schram, B. & Co. (Wrappers, Dressing Sacques, Night Robes) .....D  
 Schwartz & Kline (Suits; Skirts) .....B  
 Shoninger Bros. Mfg. Co. (Infants Coats) .....C  
 Siegel, F. & Bros. (Suits, Cloaks, Waists, Underskirts) .....AA  
 Stevens, Chas. A. & Bros. ....AA  
 Strasberg & Asher (Night Gowns, Dressing Sacques, Wrappers) .....D  
 Strauss, Eisendrath & Co. (Skirts; Waists; Wrappers) .....AA  
 Teasdal, F. L. & Co. (Shirt Waist Suits, Silk Waists, Skirts) .....D  
**ILL.—Decatur**  
 Home Mfg. Co. (Aprons, Wrappers, Night Robes) .....D  
**ILL.—Quincy**  
 Defiance Garment Mfg. Co. (Silk, Morreen, Sateen, Wash Petticoats; Dress, Walking Skirts) .....C  
**ILL.—Waukegan**  
 Alshuler, M. Co. (Wrappers, Dressing Sacques, Wash Skirts) .....C  
**IND.—Evansville**  
 Leonard & Co., James (Skirts) .....B  
**IND.—Fort Wayne**  
 Foster, Samuel M. (Shirt Waists) .....B  
 Merit Mfg. Co. (Waists; Suits) .....C  
 Paragon Mfg. Co. (Waists; Suits) .....C  
**IND.—Indianapolis**  
 American Trousers Co. (Walking Skirts) .....C  
 Gem Garment Co. (Shirt Waists; Shirt Waist Suits) .....C  
 Kirshbaum, R. & Son (Cotton; Flannel Shirt Waists) .....A  
 Merritt, Geo. & Co. (Lustre Wool; Homespun; Flannel Petticoats; Dress Skirts) .....B  
**IND.—New Albany**  
 Robinson J. M. Morton & Co. (Skirts) .....AAA  
**IOWA—Cedar Rapids**  
 Tait, John H. & Co. (Skirts) .....B

**CLOTHING, LADIES' & C**

**IOWA**—Davenport  
Davenport Garment Mfg. Co.  
(Wrappers) .....D  
**IOWA**—Des Moines  
Capital City Woolen Mills  
(Scheuerman Bros. Props.)  
(Skirts) .....A  
Des Moines Skirt & Corset  
Mfg. Co. (Skirts; Waists)  
.....E  
**IOWA**—Dubuque  
Rider-Wallis Co. (Wrappers)  
.....AA  
**KY.**—Louisville  
Gem Mfg. Co. (Skirts) ...C  
Straus, Herman & Sons Co.  
(Dresses) .....A  
**LA.**—New Orleans  
Heidenheimer, Levy & Co.  
(Shirt & Coats, Boys  
Waists; Pants) .....A  
Lehman, A. & Co. (Skirts;  
Shirt Waists) .....AA  
Kats & Co., S. & J. (Waists  
& Skirts) .....A  
Nick, H. L. & Co., (Shirt  
Waists; Skirts; Petticoats)  
.....D  
**MAINE**—Portland  
Cheney Mfg. Co. (Skirts;  
Waists; Wrappers; Suits)  
.....B  
**MD.**—Baltimore  
Gehrman & Co., P. F.  
(Aprons) .....O  
Holsman Mfg. Co. (Waists)  
.....A  
Levy, D. & Sons (Waists), B  
Lowenstein, L. & Co.  
(Waists) .....D  
Mayer, J. & Co. (Silk  
Waists; Cotton; Silk  
Suits) .....O  
Mendels Bros. (Wrappers)  
.....D  
Steppacher & Stern (Shirt  
Waists) .....C  
**MASS.**—Boston  
Aronson, N. (Waists; Skirts;  
Wrappers, Capes) .....D  
Charlton, John G. Co. (Silk;  
Cotton; Cashmere Waists;  
Suits) .....X  
Harvard Rubber Mfg. Co.  
(Silk Waists) .....D  
Hollander, L. P. & Co.  
(Cloaks, etc.) .....AA  
Howe, Lovejoy Mfg. Co.  
(Wrappers; Tea Gowns;  
Suits; Aprons) .....D  
Ideal Shirt Waist Co. (Silk;  
Flannel Waists) .....D  
Langley, Burr & Co. (Wrap-  
pers; Aprons) .....A  
National Waist & Skirt Co.  
(Shirt Waists) .....D  
Puritan Waist Co. (Silk  
Waists; Gowns, etc.)...D  
Rosenfield Myer (Wrap-  
pers; Tea Gowns; Shirt  
Waist Suits) .....A  
Slatery, E. T. Co. (Suits;  
Cloaks; Wraps; Waists)  
.....B  
Standard Mfg. Co. (See J. P.  
Morse) (Waists) .....B  
Sudbury Mfg. Co. (Silk;  
French Flannel; Mercer-  
ized Waists) .....C  
**MASS.**—Natick  
Randall Bros. (Skirts)....D  
**MASS.**—Needham  
Brooks Co., John F. (Knit  
Sacques) .....C  
**MASS.**—Springfield  
Bay State Corset Co. (Corset  
Waists) .....B  
**MASS.**—Worcester  
Burns Co., Wm. H. (Lawn  
Waists) .....A  
**MICH.**—Ann Arbor  
Crescent Works (Walking  
Skirts; Petticoats).....D  
Randall Skirt & Corset Co.  
(Skirts) .....E  
**MICH.**—Bay City  
Victory Mfg. Co. (Silk; Cot-  
ton; Lawn; Velvet  
Waists) .....D  
**MICH.**—Detroit  
American Suit & Corset Co.  
(Suits, Skirts, Petticoats)  
.....AA  
Babbitt, Taylor, Lane Co.  
(Dress Skirts) .....C

**CLOTHING, LADIES' & C**

Detroit Stay Co. (Waists), C  
Edson, Moore & Co.  
(Waists; Skirts; Wrap-  
pers) .....AAA  
Standard Skirt Co. (Skirts)  
.....O  
Strong, Lee & Co. (Skirts;  
Wrappers, Shirt Waists)  
.....A  
Zacharias & Mason Co.  
(Black, White Colored  
Flannel; Silk Waists;  
Suits) .....B  
**MICH.**—Grand Rapids  
Standard Mfg. Co. (Fancy  
Waists) .....B  
**MICH.**—Jackson  
Bortree Corset Co. (Under-  
skirt) .....C  
Pandora Corset Co. (Skirts)  
.....O  
Reliance Corset Co. (Dress-  
ing Sacques; Underskirts)  
.....O  
**MICH.**—Marshall  
Cronin, S. E. (Skirts) ....C  
**MICH.**—Saginaw  
Robertson, E. A. & Co.  
(Silk; Mercerized Cotton;  
Velvet Waists) .....D  
**MINN.**—Minneapolis  
Clerihew, A. M. & A. E.  
(Shirt Waists; Wrappers)  
.....C  
Minneapolis Knitting Works  
(Knit Waists, Children)  
.....B  
**MINN.**—St. Paul  
Finch, Young & McConville  
(Shirt Waists; Skirts;  
Wrappers) .....AAA  
Lindek, Warren & Schur-  
meyer (Shirt Waists;  
Skirts) .....AAAA  
Macpherson & Langford  
(Walking & Dress Skirts)  
.....O  
Tibbs, Hutchins & Co.  
(Skirts; Shirt Waists) ..A  
**MO.**—Kansas City  
Bell Waist & Skirt Co.  
(Waists; Skirts; Silk;  
Wool, Cotton Petticoats;  
Wrappers; Dressing  
Sacques) .....D  
**MO.**—St. Joseph  
Englehart, Davison Merc.  
Co. (Skirts) .....B  
**MO.**—St. Louis  
Bry & Bro. Cloak Co. (Suits;  
Cloaks; Skirts; Petticoats)  
.....A  
Carlton Dry Goods Co.  
(Skirts) .....AAAA  
Ely & Walker Dry Goods Co.  
(Shirt Waists; Skirts;  
Wrappers) .....AAAA  
Ferguson - McKinney Dry  
Goods Co. (Skirts), AAAA  
Friedman, & Sons (Suits;  
Cloaks; Skirts) .....A  
Herzog, L. & Bro., Dry Gds.  
Co. (Cloaks; Suits) ....A  
Hughes, John Co. (Skirts), O  
Macdonald Mfg. Co. (Silk,  
Wool Waists; Silk, Wool,  
Wash Skirts) .....D  
Olga Mfg. Co. (Silk; Lawn;  
Flannel; Satin Waists)...C  
Olian Bros. (Silk; Wash  
Waists) .....O  
Progress Mfg. Co. (Dress  
Skirts; Suits) .....C  
Rosenfield, A., Skirt &  
Waist Co., (Skirts;  
Waists) .....D  
St. Louis Corset Co. (Skirts;  
Petticoats) .....B  
Singer Bros. (Jackets;  
Skirts; Capes; Collarettes)  
.....A  
Western Corset Co. (Skirts)  
.....C  
Williamson Corset & Brace  
Co. (Skirts; Petticoats).D  
**N. H.**—Lebanon  
Carter & Churchill Co.  
(Aprons) .....B  
**N. H.**—Manchester  
New York Store Co. (Skirts)  
.....C  
**N. H.**—Newport  
Peerless Mfg. Co. (Flannel  
Gowns; Skirts) .....A



**CLOTHING, LADIES' & CO****N. H.—Tilton**

Ideal Mfg. Co. (Wrappers) B

**N. J.—Millville**Dix, Henry A. & Sons  
(Wrappers; Dressing  
Sacques; Maids' Dresses) D**N. J.—Newark**Best & Co., L. H. (Infants  
Dresses) XCogswell & Boulter Co. (In-  
fants Dresses) ADe Bevoise Waist Co.  
(Waists) DDelsarte Mfg. & Supply Co.  
Dresses; Coats; Wraps) D**Jackson & Co., T. W. (Petti-  
coats) B**Shiner, Alexander W. (Shirt  
Waists) C**N. J.—New Brunswick**Barkelen & Co., J. M.  
(Aprons) D**N. Y.—Albany**Albany Garment Co. (Skirts;  
Wrappers) CHubbard, G. A. & Co. (Cali-  
co Wrappers; Wash  
Skirts; Dressing Sacques) D**Munson, S. L. (Aprons;  
Waists) A****N. Y.—Auburn**Parker Mfg. Co. (Wrappers;  
Tea Gowns; Kimonas;  
Suits; Dressing Sacques) B**Romig Mfg. Co. (Tea  
Gowns; Wrappers) A****N. Y.—Binghamton**Bennett, Morgan Co. (Wrap-  
pers; Children's Dresses) B**N. Y.—Brooklyn**Manheim, Julius (Shirt  
Waists) CLowe & Sons, R. E. (Wrap-  
pers; House Dresses;  
Waists; Wash Suits) BParker & Co., J. K.  
(Waists) DPhillips & Co., S. (Child-  
ren's Dresses) CZeman Bros. (Cotton Shirt  
Waists; Suits) C**N. Y.—Buffalo**Hengerer Co., Wm. (Skirts)  
AAASchwaegler Co., J. B. (Shirt  
Waists; Shirt Waist Suits) C**N. Y.—Elmira**

Doolittle, F. E. (Aprons) B

Freudenheim & Bro., L.  
(Dress Skirts) C**N. Y.—Glens Falls**Robertson & Co., D. L.  
(Waists) CWeill Haskell Co. (Waists)  
AAA**N. Y.—Johnstown**Grewen Bros. & Co. (Skirts)  
C**N. Y.—McGraw**McGraw Corset Co. A. P.  
(Dress; Underskirts;  
Waists) G**N. Y.—Milton**Bells' Sons Co., Henry H.  
(Wrappers; Sacks) B**New York City**Acme Underwear Co.  
(Skirts; Gowns) CAdam, Hugo S. (Dressing  
Sacques) CAppelbaum, M. (Shirt  
Waists) DAronson Bros. (Cloaks;  
Suits) BAsch & Jaekel (Golf; Pe-  
destrian Suits) ABamberger & Son (Infants'  
Dresses; Cloaks) BBauman, H. (Wrappers;  
Shirt Waist Suits, Kimo-  
nas) DBauman & Sperling (Cloaks)  
AABeekman & Hays (Wrap-  
pers) C**CLOTHING, LADIES' & CO**Beller & Co., A. (Cloaks;  
Suits) ABerman, Jacob (Cotton;  
Woolen Waists) CBiermann, Henry (Wrap-  
pers; Waists) DBirkenfeld, Strauss & Co.  
(Cotton Shirt Waists) BBlan, Jules (Shirt Waists)  
DBlauner Bros. & Co. (Suits;  
Cloaks) B

Bloch, M. (Waists) D

Blum, Herman A. (Waists)  
DBlumenthal Bros. (Waists)  
D

Bonwit, John (Skirts) X

Borgenicht & Scharff  
(Dresses) DBrady & Co., J. M. (Suits;  
Skirts) BBrill, R. B. (Silk Waists;  
Suits) DBrill & Kriegsman (Waists)  
BBrody & Co., N. (Dress;  
Walking Skirts) CBrookstone & Sons, S.  
(Waists) D

Brown &amp; Co. (Waists) D

Citron Bros. (Waists) C

Clafin Co., H. B. (Suits;  
Cloaks; Capes; Skirts;  
Waists; Wrappers) AAAACohen & Co., Henry  
(Waists) ACohen, Joseph H. (Suits;  
Cloaks) BCohen & Co., M. (Suits;  
Cloaks) BCohen, J. & M. (Silk; Cot-  
ton Shirt Waists; Suits) BComfort Waist Co. (Waists)  
DCooper, Michael (Wrappers;  
Dressing Sacques; Bath  
Robes) B

Corn, Joseph (Skirts) C

Crawford, Andrew (Suits;  
Cloaks; Skirts) BCrystel, Bernard (Wrappers)  
CDannenbaum Bros. (Waists;  
Silk Petticoats) ADaulton, Peter (Silk Petti-  
coats) A

Denbusky Bros. (Waists) D

Diamond, Wm. J. (Dressing  
Sacques) CEagle Skirt Co. (Petticoats)  
CEconomist Waist Co. (Silk  
Waists) GErlich & Co., Jacob (Wrap-  
pers; Tea Gowns) CEttelson, Henry Co. (Wrap-  
pers) DEureka Waist Co. (Waists)  
DFeist Bros. (Jobbers)  
(Cloaks; Capes; Skirts) XFisk, Clark & Flag  
(Waists) AFlaherty, Joseph B. (Wrap-  
pers; Dressing Sacques) BFloershelmer, Roman &  
Hahn (Waists; Suits) B

Forsythe, John (Waists) A

Frank &amp; Schloss (Waists) D

Frankenthal Bros. Co.  
(Shirt Waists) BFranklin, Julius (Wrappers;  
Skirts; Suits; Sacques) BFreeman & Son, H. (Wrap-  
pers) D

Friedlander &amp; Co., A. AA

Fuld Bros. (Shirt Waists;  
Children's Dresses) DGans Sons & Co., Myer,  
(also Children's) AGarfield & Bernstein (Peer-  
less Cloak Mfg. Co.) B

(Cloaks; Suits) B

Gershel & Son, H. (Cloaks;  
Suits) B

Ginsburg &amp; Bro., S. B

Glitskey & Bastianelli (In-  
fants' Wash Dresses) D

Goetz, J. &amp; W. (Waists);

CLOTHING, LADIES' & CLOTHING, LADIES' & C	
Jerseys) .....	B
Goldberg & Sons, M. (Cloaks) .....	B
Goldberg & Sons, M. (Shirt Waists) .....	B
Goldman, J. & E. (Waists) .....	B
Goldschmidt & Co. (Waists) .....	C
Goldstein & Co., R. (Waists) .....	C
Gootman & Co., M. (Cotton; Flannel Shirt Waists) .....	D
Gratz, Kohn & Sperber .....	D
Gross & Weiss (Shirt Waists) .....	D
Harburger, Henry L. (Dresses; Aprons) .....	D
Harris, Geo. (Dressing Sacques) .....	D
Harris & Blank (Waists) .....	C
Hartley Bros. (Shirts) .....	C
Helmerding, Geo. C. (Skirts) .....	C
Heiss & Co., S. W. (Skirts) .....	C
Heller & Co., M. (Suits; Cloaks; Skirts) .....	B
Heller & Nyburg (Cotton; Woolen Waists) .....	D
Henle & Co., John (Shirt Waists; Suits) .....	D
Herzig & Knapp (Petticoats) .....	B
Herzig & Co., Joseph (Children's Dresses) .....	C
Herzig & Co., L. (Children's Cloaks & Reefers) .....	C
Hirsch Bros. (Wrappers) .....	C
Hirsch & Sons, A. (Wrappers) .....	D
Horwitz Bros. & Serling (Cotton; Flannel Shirt Waists) .....	D
Inbender & Cohen (Waists) .....	D
Jaburg, Fuhs & Lovin (Infants' Coats; Cloaks) .....	B
Japanese Silk Garment Co. (Wrappers; Tea Gowns) .....	C
Kalisher & Bro., H. B. (Tea Gowns) .....	D
Kaplon, I. (Wrappers, &c.) .....	D
Kaplon & Wien (Shirt Waists) .....	B
Kashowitz, M. & J. (Cloaks; Suits) .....	B
Katz, S. (Dress Skirts) .....	C
Kean & Schwed (Waists) .....	C
Kitzinger & Zelenko (Infants' Reefers; Jackets) .....	B
Klatzco & Miskend (Silk; Sateen Petticoats) .....	C
Klinger & Bach (Waists) .....	C
Kottler & Co., H. (Waists) .....	D
Kupfer Bros. (Waists) .....	D
Kurzroh Bros. (Waists) .....	C
Laird & Bonwit (Suits; Cloaks; Skirts) .....	A
Levy & Co., Herman (Cloaks; Mantles) .....	B
Levy Co., H. H. (Tea Gowns; Summer Suits) .....	D
Lewis Bros. (Cotton; Wool Shirt Waists) .....	D
Lewyn & Co., A. (Shirt Waist; Shirt Waist Suits) .....	C
Libman, Mrs. B. (Infants' Coats; Reefers) .....	C
Livingston & Lieberman also Misses (Waists) .....	B
Lindon & Rannin Co. (Children's Dresses) .....	C
Lord & Taylor (Suits; Cloaks) .....	AAAA
Lubling & Beck (Dress Skirts) .....	C
Lurie & Co., G. (Children's Dresses) .....	B
Lyons & Co. (Misses Suits; Children's Dresses) .....	D
McLaughlin, W. A. (Waists) .....	B
Maloney & Co., J. T. (Wrappers; Waists) .....	C
Manchel, Frank (Waists) .....	D
Markowitz, H. (Suits; Cloaks) .....	B
Martin & Co., M. (Shirt Waists) .....	AA
Mayers & Lister (Colored Petticoats) .....	C
Melnick, Max (Waists) .....	D
Menaker, Bernhelm & Menaker (Wrappers; Dressing Sacques; Kimonas) .....	D
Messner, Emil (Silk Waists) .....	B
Metropolitan Wrapper Co. (Wrappers; Kimonas; Dressing Sacques) .....	D
Mikola & Bro. J. (Waists; Suits) .....	D
Mirsky & Co., M. D. (Wrappers) .....	B
Mitchell & Gross (Waists) .....	D
Model Mfg. Co. (Cloaks; Skirts; Shirt Waists) .....	B
Morris & Co., Joseph A. (Waists) .....	C
Nathan, M. I. (Silk Waists; Suits) .....	C
National Cloak & Suit Co. (Cloaks; Suits; Skirts) .....	AAA
National Shirt Waist Co. (Waists) .....	C
Nessler & Whitehead (Dresses; Children's) .....	D
Obermeier & Co., C. (Dress Skirts) .....	C
Oppenheim, Collins & Co. (Cloaks; Suits) .....	A
O'Hare, T. J. (Tea Gowns; Silk; Negligee Waists) .....	D
Palmer, R. D. (Waists; Skirts; Wrappers) .....	D
Platt, S. (Wrappers; Tea Gowns; Dressing Sacques) .....	C
Price & Willgerodt (Cloaks; Suits) .....	B
Reutlinger & Bro., Max (Cotton; Silk Waists) .....	C
Rohman, Harry A. (Waists) .....	D
Roseff, Samuel (Cloaks) .....	B
Rosenbaum, H. (Children's Dresses) .....	D
Rosenberg, Joseph (Waists) .....	D
Rosenblatt, A. (Wrappers) .....	D
Rosenbloom & Kourcik (Shirt Waists; Capes; Children's Cloaks; Reefers) .....	D
Rosenbloom & Lubell (Waists) .....	C
Rosenfeld & Co., L. E. (Misses'; Children's Garments) .....	B
Rosenthal Bros. Co. (Shirt Waists; &c.) .....	AA
Roth, Max (Shirt Waists) .....	B
Rothschild & Bro., S. (Suits; Cloaks) .....	A
Rothschild, M. & L. F. .....	B
Rothschild Co., V. Henry (Waists) .....	B
Rubin Bros. & Baron (Cloaks & Suits) .....	B
Rutenburg, Miller & Lowenstein (Dress Skirts) .....	B
Ryan, Andrew (Petticoats) .....	B
Samek Bros. (Children's Dresses) .....	D
Sandall & Neustadt (Skirts) .....	C
Scheyer & Co., Philip (Cloaks & Suits) .....	B
Schlang & Livingston (Waists) .....	D
Schneer's Son & Co., Isaac (Shirt Waists; Blouses) .....	B
Schwab Mfg. Co. (Waists) .....	B
Schwartz & Scheer (Cloaks; Suits) .....	AA
Schwed & Co., R. (Petticoats) .....	C
Shidlovsky & Bro., M. (Cloaks; Suits; Skirts) .....	B
Shrier, Samuel (Silk Petticoats) .....	B

- CLOTHING, LADIES' & O**  
 Sidenberg & Co., G. (Waists) .....AA  
 Siemons, Chas. F. (Waists) .....D  
 Siegel Bros. (Shirt Waists) .....AAA  
 Sieradzki, Julius (Waists; Skirts) .....D  
 Silverberg Bros. (Cotton; Flannel Waists) .....C  
 Silverstein Bros. (Skirts) .....A  
 Simon Julius (Waists) .....C  
 Singer & Co., M. (Wrappers; Tea Gowns) .....B  
 Smith, A. H. (Silk Waists; Suits) .....D  
 Sofranski Bros. (Skirts) .....C  
 Solinsky, Louis (Suits; Cloaks) .....B  
 Solomon, Leopold (Children's Dresses) .....D  
 Solomon, Max (Dress Skirts) .....A  
 Sondheim, Stein & Co. (Waists) .....B  
 Sperling & Barin (Wrappers) .....D  
 Stein & Co., Julius (Suits; Cloaks; Skirts) .....A  
 Stein, Levy & Co. (Waists) .....B  
 Steinfeld & Co., S. (Cloaks; Waists) .....A  
 Stern, S. & M. (Suits; Cloaks; Capes) .....B  
 Stern, M. & Co. (Silk; Cotton Waists) .....C  
 Stern & Adler (Suits; Cloaks; Skirts) .....B  
 Stiefel Bros. (Arlington Skirt Mfg. Co.) (Silk; Cloth; Flannel; Cotton; Mohair Skirts) .....B  
 Stiglitz & Dinkelspiel (Suits; Cloaks) .....B  
 Stone Bros. & Co. (Waists) .....C  
 Stratton & Co., J. C. (Misses'; Children's) (Cloaks; Dresses) .....B  
 Tausig & Co. (Infants' Dresses) .....C  
 Traubner & Co., B. (Cotton; Woolen; Silk Waists) .....D  
 Ullmann, M. (Dress Skirts) .....C  
 Vesell, Meyer (Suits; Cloaks) .....A  
 Well & Grosz (Wrappers; Dresses) .....D  
 Weller Bros. (Silk; Cotton; Flannel Waists) .....D  
 Weintraub, M. (Wrappers; Skirts; Petticoats) .....D  
 Welsman & Son, M. (Waists) .....D  
 Welpen & Co. (Waists) .....D  
 Whitehead & Asiel (Infants' Dresses) .....A  
 Wiener & Bossin (Suits; Cloaks) .....B  
 Wightman & Co. (Misses' Cloaks; Suits) .....A  
**N. Y.—Rochester**  
 Sibley, Lindsay & Curr Co. (Skirts) .....AAAA  
**N. Y.—Saratoga**  
 Crippen & Reid (Wrappers; Dressing Sacques; Shirt Waist Suits) .....A  
**N. Y.—Sidney**  
 Clark Textile Co. (Women's Vests) .....A  
**N. Y.—Syracuse**  
 Goodstock Mfg. Co. (Shirt Waists) .....D  
 Lovell Wrapper & Overall Co. (Percalé; Flannelette Wrappers) .....D  
 Wood & Co., J. E. (Petticoats) .....C  
**N. Y.—Troy**  
 Coon Bros. (Waists) .....D  
 Corliss, Coon & Co. (Shirt Waists) .....B  
 Stetthelmer & Co., J. J. (Waists) .....C  
 Tim & Co. (Waists) .....A  
**N. Y.—Waterford**  
 American Shirt & Collar Co.
- CLOTHING, LADIES' & O**  
 (Shirt Waists) .....D  
**N. Y.—Weedsport**  
 Weedsport Shirt & Waist Co. (Overshirts; Petticoats; Waists) .....B  
**OHIO—Akron**  
 O'Neil & Co., M. (Suits) .....A  
**OHIO—Cincinnati**  
 Bishop, Sterne & Stein (Cloaks; Suits; Skirts) .....A  
 Cincinnati Cloak & Suit Co. (Cloaks; Suits; Capes; Skirts) .....B  
 Crescent Garment Co. (Skirts) .....C  
 Fabian Mfg. Co. (Skirts) .....A  
 Haas, B. & A. (Cloaks; Suits; Reefers; Skirts) .....A  
 Jackman & Co., S. (Suits; Cloaks) .....A  
 Shillito Co., John (Cloaks; Capes) .....AAAA  
 Siefert Co. (Skirts; Wrappers) .....B  
 Stix & Co., Louis (Skirts) .....AAAA  
 Veith & Brandt (Petticoats; Skirts; Cloaks; Suits) .....C  
**OHIO—Cleveland**  
 Anisfield Co., John (Cloaks; Suits) .....A  
 Bell Garment Co. (Skirts) .....B  
 Black & Co., H. (Cloaks) .....A  
 Einstein, Guggenheim & Co. (Shirt Waist; Suits) .....B  
 Emsheimer & Co., Daniel (Waists; Suits) .....C  
 Goldman & Co., M. (Skirts) .....C  
 Landesman, Hirschheimer Co. (Suits; Cloaks; Skirts) .....AA  
 Printz, Biederman & Co. (Suits; Cloaks; Skirts) .....A  
 Root & McBride Co. (Wrappers; Petticoats; Shirt Waists) .....AAAA  
 Sampliner Cloak Co. (Cloaks; Suits; Skirts) .....B  
 Silver & Co., M. T. (Suits; Cloaks; Skirts) .....A  
 Silber & Gross (Waists) .....C  
 Stein, Schwarz, Huebschman & Co. (Suits; Cloaks; Skirts; Capes) .....A  
 Sunshine Cloak & Suit Co. (Misses'; Children's Cloaks; Suits) .....B  
 Taylor, Son & Co., Wm. (Petticoats; Wrappers) .....AAA  
**OHIO—Mansfield**  
 Ditwillers' Sons, J. (Shirt) .....D  
**OHIO—Napoleon**  
 Napoleon Woolen Mills (Flannel Skirts) .....C  
**OHIO—Toledo**  
 Black Cloak Co., Alex. (Suits; Cloaks; Skirts) .....B  
 Cohen, Friedlander & Martin Co. (Cloaks; Suits) .....B  
 Perfection Shirt Waist Co. (Arthur Block & Co.) (Shirt Waists & Wrappers) .....B  
**OREGON—Portland**  
 Olds, Wartman & King .....A  
**PA.—Allentown**  
 Kline, Chas. (Waists; Skirts) .....C  
**PA.—Altoona**  
 Kline Bros. (Skirts; Waists) .....B  
**PA.—Carlisle**  
 Plank Co., J. W. (Ltd.) (Wrappers; Dressing Sacques, Children's Suits) .....D  
**PA.—Harrisburg**  
 Sun Mfg. Co. (Wrappers) .....D  
**PA.—Johnstown**  
 Nathan & Bro., M. (Wrappers; Skirts) .....D  
**PA.—Nazareth**  
 Nazareth Mfg. Co. (Children's Waists) .....B

**CLOTHING, LADIES' & O****PA.—Philadelphia**

Allen, J. B. (Jerseys)...AA

Axford, John (Infants' Knit Wrappers).....A

Beckman &amp; Co., S. (Silk Waists; Suits).....C

Behal, Jos. L. (Knit Skirts).....D

Bernstein, Baum, Cravis &amp; Co. (Suits; Cloaks)....B

Blum Bros. (Suits; Cloaks; Skirts; Silk Waists)...AAA

Bowers &amp; Co., A. J. S. (Phila. Cloak &amp; Suit Co.) (Suits; Cloaks; Shirt Waists; Dressing Sacques).....B

Branson &amp; Co., Howard I. (Infants' Dresses).....C

Brawerman Mfg. Co. (Elderdown Dressing Sacques; Suits; Waists)....D

Cohn &amp; Co., Alex. B. (Shirt Waists; Shirt Waist Suits).....D

Feld &amp; Co., Louis (Shirt Waists).....B

Greenwald Bros. (Skirts).....B

Haber &amp; Co., M. (Shirt Waists).....B

Hagedorn-Merz Co. (Shirt Waists).....A

Harrison &amp; Co., L. (Silk Waists).....D

Heyman Bros. &amp; Baum (Suits; Cloaks; Silk Waists).....B

Horn &amp; Co., P. (Silk; Mohair; Flannel; Cotton Waists).....D

Hygienic Fleece Underwear Co. (Wrappers; Elderdown Terry; Blanket Robes).....A

Kaufman &amp; Rubin (Dressing Sacques; Waists; Infants' White).....A

Kauffman &amp; Harris (Wrappers; Waists).....D

Leicester &amp; Continental Mills Co. (Wrappers; Sacques).....AA

Margolies &amp; Harris (Progress Skirt Mfg. Co.) (Skirts).....C

Meyerhoff &amp; Co., M. S. (Misses'; Children's; Suits; Cloaks).....B

Penn. Mfg. Co. (Waists).....D

Penn. Waist &amp; Suit Co. (Waists; Suits).....C

Philadelphia Corset Co. (Infants' Waists).....B

Rand Bros. (Waists).....C

Rosenblatt, A. (Infants' Long and Short Dresses).....C

Reinish, Son &amp; Feld (Waists).....D

Rothschild &amp; Co., S. (Infants' Coats).....C

Sacks Bros. (Suits; Cloaks).....B

Schlein, S. (Waists).....D

Schoenfeld, Tuck &amp; Co. (Shirt Waists).....B

Shatz, L. A. (Wrappers; Tea Gowns).....C

Shenkin Bros. (Dresses).....C

Stecher, L. (Silk Waists).....C

Stein &amp; McLoughlin (Skirts).....C

Stein &amp; Co., David (Star Novelty Co.) (Shirt Waists; Shirt Waist Suits; Dressing Sacques; Golf Vests).....B

Strawbridge &amp; Clothier (Suits; Cloaks; Skirts; Silk Waists; Petticoats).....AAAA

Warshaw, Abraham (Wrappers; Skirts; Shirt Waists; Cloaks; Suits; Capes)....D

**PA.—Pittsburg**

Arbuthnot-Stephenson Co. (Silk Waists; Wrappers; Skirts).....AAA

Pittsburg Dry Goods Co. (Wrappers; Aprons)....AAA

Stidburg &amp; Rich (Cloaks;

**CLOTHING, LADIES' & O**

Suits; Misses'; Children's Coats).....X

**PA.—Reading**

Brumbach, A. J. (St. Lawrence Woollen Mills) (Skirts).....AA

Mercer, James E. (Wrappers).....B

**PA.—Wilkes Barre**

Autocrat Shirt Waist Mfg. Co. (Shirt Waists; Suits).....D

Galland Bros. (Dressing Sacques; Waists).....B

**PA.—York**

Bear Mfg. Co. (Aprons; Skirts).....C

**R. I.—Pawtucket**

Lumb, Geo. H. (Infants' Knit Bands; Wrappers).....B

**R. I.—Providence**

Taylor, Symonds &amp; Co. (Wrappers).....AA

**S. C.—Charleston**

Wilbur &amp; Son, T. A. (Skirts).....A

**TENN.—Knoxville**

Arnstein &amp; Co., M. B. (Skirts).....C

**TENN.—Memphis**

Jiedel &amp; Bro., I. (Skirts).....B

**VT.—Brattleboro**

Hooker Corser &amp; Mitchell Co. (Aprons).....C

**VT.—Rutland**

Rutland Wrapper &amp; Shirt Co. (Wrappers; Waists; Petticoats; Skirts).....D

**W. VA.—Parkersburg**

Case Mfg. Co. Wrappers; Wash Petticoats).....D

**WIS.—La Crosse**

La Crosse Rubber Mills Co. (Rubber Skirts).....B

**WIS.—Sheboygan**

Excelsior Wrapper Co. (Wrappers; Dresses)....B

**CLOTHING****MEN'S, BOYS' &****YOUTHS'****ALA.—Mobile**

Bloch &amp; Newburger (Overalls).....B

Jacobson Clothing Co., G...B

Pollock &amp; Bernheimer (Pants; Overalls).....AAA

**ALA.—Montgomery**

Rice, Alex. (Pants).....B

**CAL.—Los Angeles**

Cohn, Goldwater &amp; Co. (Pants; Overalls).....B

Hoegee Co., W. H. (Hunting; Ball Suits).....B

Jacoby Bros. (Pants).....A

Klein, Norton &amp; Co. (A. F. Norton) (Overalls).....B

**CAL.—San Francisco**

Brown Bros. &amp; Co. (Overalls).....A

Dinkelspiel &amp; Sons, L. (Overalls).....A

Goldstein Bros. (Pants; Overalls).....A

Hastings Clothing Co. (Pants).....A

Heynemann &amp; Co. (Overalls; Pants).....A

Hirsch, Leopold (Overalls).....B

Hoffman, Rothchild &amp; Co. (Pants).....AAA

Lowenberg &amp; Co. (Overalls; Pants).....AAA

Mandel &amp; Wiener (Overalls).....A

Meyerstein Co. (Overalls).....AA

Newstadter Bros. (Suits; Pants; Overalls).....AAA

Rosenthal, Maurice (Overalls).....C

San Jose Woollen Mfg. Co. (Pants).....A

Scharlin &amp; Co. (Overalls).....D

Strauss &amp; Co., Levi (Overalls; Riveted Clothing).....AAA

Summerfield, H. (Pants).....B

Wood, S. N. &amp; Co. (Pants).....A

# **CLOTHING, MEN'S, &C.**

**COLO.—Denver**

Howe, Allen & Kaull Merc.  
Co. (Duck; Corduroy  
Pants) .....C  
Underhill Mfg. Co. (Overall;  
Pants; Duck Clothing)...B  
**FLA.—Jacksonville**  
Kohn, Furchgott Co. (Pants)  
A

**GA.—Atlanta**

Loeb & Co., Marcus (Pants;  
Overalls) .....C  
Nunnally Bros. (Pants;  
Overalls) .....C  
Robinson Co., A. M. (Jeans;  
Cassimere Pants; Over-  
alls; Duck Coats).....A  
Wolf, H. (Pants; Overalls)  
C

**GA.—Columbus**

Georgia Mfg. Co. (Pants;  
Overalls; Jackets; Coats;  
Duck Coats) .....C  
Rothschild & Co., D. (Pants;  
Overalls) .....C  
Union Mfg. Co. (Andrews  
Co.) (Pants; Overalls)...C  
**GA.—Dalton**

Smith, M. D. & H. L.  
(Overalls) .....D  
**GA.—Macon**

Waxelbaum Co. (Pants)...B

**GA.—Milledgeville**

Evans, Samuel .....B

**GA.—Rome**

Kuttner & Co., J. (Pants;  
Overalls) .....B

**GA.—Savannah**

American Mfg. Co. (Pants;  
Overalls) .....B  
**ILL.—Bloomington**

Klemm, C. W. (Overalls;  
Coats; Pants; Jumpers).A  
**ILL.—Chicago**

Abt & Sons, L. ....A  
Becker, Mayer & Co.  
(Youths) .....A

Bernstein, Cohen & Co.  
(Pants; Overalls) .....C

Born & Co., M. ....A

Cahn, Wampold & Co. ...A

Capps & Sons (Ltd.), J. ...A

Cook & Bro., E. C. (Hunt-  
ers) .....B

Daube, Cohn & Co.  
(Youths') .....A

Dreyfus, Mayer & Co. (Knee  
Pants; Duck Coats) ....B

Edelman, Hyman (Overalls)  
D

Ederheimer, Stein & Co.  
(Youths') .....A

Farwell Co., John V. (Over-  
alls; Duck Coats) ..AAAA

Freytag, M. (Overcoats;  
Furs) .....B

Hart Bros. (Overalls)...AA  
Hart, Schaffner & Marx  
AAA

Hefter, Livingston & Co.  
(Youths') .....AA

Hirsh, Wickwire & Co.  
(Youths') .....AA

Hub, The (Inc.) .....A

Isador & Sons, J. ....B

Jerrens, W. G. ....A

Kahn & Co., Felix .....B

Kaufman & Bros., Chas.  
(Suits; Overcoats) ...AA

Kaufmann, Fred .....B

Kling Bros. & Co. (Special-  
ties) .....AA

Kohn Bros. ....AAAA  
Kuh, Nathan & Fischer Co.  
AA

Kuppenheimer & Co., B.  
AAA

Lamm & Co. ....AA

Leopold, Solomon & Elsen-  
drath .....A

Lewin & Son, A. (Overalls)  
C

Lindenthal & Goodman  
(Youths') .....B

Loeb's Sons, L. (Pants)...C

Marcus, Solms & Son  
(Pants) .....A

Marks & Co., H. M. ....AA

Meyer & Co. ....A

Miller & Co., John G. ....A

Morris, Goldsmidt & Co. ...A

Oppen & Co. ....B

Peck & Co., W. S. ....A

# **CLOTHING, MEN'S, &C.**

**Pfraelzer & Co., David M.**

(Youths') .....A  
Price & Co., Ed. V. ....A  
Race Clothing Mfg. Co.  
(Jackets, Covert; Duck  
Coats; Overalls) .....B  
Reliance Mfg. Co. (Pants;  
Overalls) .....A

Rose & Co., Edward .....B

Rosenwald & Weil (Inc.)  
(Summer Goods; Smoking  
Jackets; Pants; Fancy  
Vests) .....AA

Rothschild & Co., E. ....B

Rothschild & Co., Felix  
(Youths') .....B

Shauer & Bro., G. G. (Over-  
alls; Jackets) .....D

Solomon & Co., J. ....A

Spitz & Schoenberg Bros.  
(Youths') .....A

Sterling Mfg. Co. (Men's  
Overalls; Youths' Over-  
alls) .....A

Stern & Shohl Co., D. S.  
(Youths') .....B

Stern, Schafer & Co.  
(Youths') .....B

Strauss Bros. ....A

Strauss, Eisendrath & Co.  
(Boys' Waists; Pants)  
AA

Weil, Pflaum & Co.  
(Youths') .....B

Whitney, Christenson &  
Bullock .....B

Wurzberg & Co., H. J. ....O

**ILL.—Jacksonville**

Columbia Mfg. Co. (Pants;  
Duck Goods; Overalls)...C

**ILL.—Peoria**

Peoria Merc. Co. (Overalls;  
Pants) .....X

True Fit Mfg. Co. (Overalls;  
Pants) .....O

**ILL.—Quincy**

Hargadine-McKittick Dry  
Goods Co. (Pants; Over-  
alls) .....AAAA

Menke Dry Goods Co. (Over-  
alls; Pants; Duck Coats;  
Covert Coats) .....O

Whitney, White Co. (Over-  
alls) .....D

**ILL.—Rockford**

Rockford Overalls Mfg. Co.  
(Overalls; Pants; Duck  
Coats) .....D

**ILL.—Springfield**

Hall & Herrick (Overalls;  
Pants) .....O

**ILL.—Streator**

Stauber Mfg. Co., A.  
(Pants; Overalls; Over-  
coats) .....A

**IND.—Bluffton**

Hunsicker, Henry (Bluffton  
Overall Co.) (Overalls)..D

**IND.—Evansville**

Gans Co., I. (Overalls;  
Pants) .....B

Goodwin Clothing Co.  
(Pants) .....X

Leonard & Co., James (Over-  
alls; Drawers; Duck  
Coats) .....B

Mackey, Nisbet Co. (Over-  
alls; Pants; Shirts)...AAA

**IND.—Ft. Wayne**

Hirsh & Co., A. (Overalls;  
Pants; Duck Coats)...D

Hoosier Mfg. Co. (Overalls;  
Pants; Duck Lined Coats)  
A

**IND.—Greenfield**

Thayer, H. B. (Overalls)..D

**IND.—Indianapolis**

American Trouser Co.  
(Pants) .....C

Cones & Son Mfg. Co., C. B.  
(Overalls; Pants; Engi-  
neers' Coats) .....B

Efroymsen & Wolf (Over-  
alls) .....A

Havens & Geddes Co. (Over-  
alls; Pants; Duck Coats)  
AA

Jackson, J. W. (Overalls;  
Pants; Jackets) .....D

Kahn Tailoring Co. ....A

Lion Clothing Mfg. Co.  
(Pants; Duck Coats)...O

Meier & Co., Lewis

**CLOTHING, MEN'S, &C.**

(Workingsmens'; Overalls; Pants) .....B

**IND.—Lafayette**

Curtis Sons' &amp; Co., S. C. (Overalls) .....C

Lion &amp; Deer Mfg. Co. (Overalls; Pants; Duck Coats) C

**IND.—Logansport**

Uhl Bros. &amp; Co. (Overalls; Pants; Jackets; Duck Coats) .....A

**IND.—New Albany**

Robinson, Norton &amp; Co., J. M. (Pants; Overalls; Duck Coats; Corduroy Suits; Hunting Suits) ....AAA

**IND.—Richmond**Bartel Co., Adam H. (Perfection Mfg. Co.) (Overalls; Work Pants; Duck Coats; Covert Coats) ...X  
Richmond Overall & Shirt Co. (Successors to Rosser & Calvin Mfg. Co.) (Overalls; Pants) .....D**IND.—Terre Haute**Ehrmann Mfg. Co. (Pants; Overalls) .....A  
Stahl-Urban & Co. (Cassimere Pants; Cotton Pants; Duck Coats; Covert Coats; Overalls) .....A**IOWA—Bonaparte**

Meek Bros. Co. (Pants) ..B

**IOWA—Burlington**

Connor Merc. Co. (Overalls; Pants; Duck Lined Coats) C

**IOWA—Cedar Falls**

Cedar Falls Mfg. Co. (Overalls; Pants; Duck Coats) D

**IOWA—Cedar Rapids**

Clark-McDaniel Co. (Overalls; Duck Coats; Pants) D

**IOWA—Davenport**

Krause Co., Robert (Inc.) (Duck Pants; Overalls) ..B

**IOWA—Des Moines**

Capital City Woolen Mills (Sheuerman Bros., Inc., Props.) (Pants) .....A

**IOWA—Dubuque**Bell Bros. Co. (Overalls; Pants; Duck Clothing) ..B  
Glover Co., H. B. (Pants; Vests; Jackets; Overalls) A

Rider-Wallis Co. (Overalls; Pants; Duck Coats) ...AA

**IOWA—Ft. Dodge**

Mulroney Mfg. Co. (Overalls; Pants; Duck Coats) C

**IOWA—Keokuk**

Irwin-Phillips Co. (Overalls; Pants; Duck Coats) ....A

**IOWA—Oskaloosa**

Baker, H. A. (Jeans; Duck Pants; Overalls) .....B

**KANS.—Atchison**

Howard Mfg. Co., Frank (Pants; Overalls; Duck Lined Coats) .....B

**KANS.—Kansas City**

Western Gents' Union Mfg. Co. (Overalls; Pants; Jackets; Duck Coats) ..D

**KANS.—Topeka**Topeka Woolen Mill Co. (Pants) .....B  
Western Woolen Mill Co. (Pants) .....C**KANS.—Wichita**

Johnson &amp; Larimer Dry Gds. Co. (Overalls) .....B

**KY.—Bowling Green**

Nahm &amp; Co., E. ....A

**KY.—Henderson**

Henderson Woolen Mills (Cotton; Worsted; Cassimere; Jean Pants) ....B

**KY.—Louisville**American Clothing Co. (Inc.) (Suits; Pants) ..B  
Bray Clothing Co. (Cassimere; Corduroy; Jean Pants) .....A

Carter Dry Goods Co. (Pants) .....AAA

Coleman Bros. Clothing Co.

**CLOTHING, MEN'S, &C.**

(Youths' Suits; Men's Suits; Pants; Duck Coats; Covert Coats; Serge Coats; Serge Vests) .....B

Kentucky Jeans Clothing Co. (Inc.) (Jeans; Duck Coats) .....A

Mayfield Woolen Mills Co. ....AAA

Moses &amp; Co., L. (Men's; Youths') .....A

Ox Breeches Mfg. Co. (Pants) .....B

Richardson &amp; Co., E. A. (Men's; Youths') .....B

Robinson, Norton &amp; Co., J. M. (Pants) .....AAA

Shapinsky &amp; Co., S. (Pants; Overalls; Duck Coats) ...B

Shuttleworth &amp; Co., J. A. Tapp. Leathers &amp; Co. (Men's; Youths') .....A

**KY.—Mayfield**May Pants Co. ....C  
Old Woolen Mills, The (Pants; Suits) .....B**KY.—Paducah**

Famous Pants Factory (Pants) .....B

Forked Deer Pants Co. (Pants) .....C

**LA.—New Orleans**

Frankel, Max, (Men's Coats; Boys' Coats; Pants; Overalls) .....C

Frellich &amp; Badt (Jeans; Cashmere Pants) .....O

Godchaux Clothing Co., Ltd., Leon (Men's; Youths') AAAA

Israel &amp; Co., Mayer (Men's; Youths') .....A

Kory &amp; Sons, A. (Pants; Coats; Overalls) .....A

Lehmann &amp; Co., A. (Overalls; Pants) .....AA

Mercier's Sons, D. ....AAA

Picard, Kaiser &amp; Co. (Pants) B

Weil, Leopold .....A

Weiss Mfg. Co. (Overalls) C

Wolf &amp; Sons, B. J. (Men's; Youths') .....A

**MD.—Baltimore**Adler, L. & D. (Waterproof; Oiled) .....B  
Baltimore Bargain House AA

Brent, Bull &amp; Co. (Pants) A

Burger &amp; Co., Chas. ....B

Burgunder Bros. &amp; Co. ....AA

Burk, Fried &amp; Co. ....AA

Cohn &amp; Bro., Alex. (Men's; Youths') .....B

Epstein, Jacob (Men's; Youths') .....AA

Erlanger Bros. (Overalls) AA

Frank &amp; Bro., E. ....B

Friedman &amp; Sons, M. (Youths') .....B

Grief &amp; Bro., L. ....AA

Hamburger &amp; Sons, Isaac. A

Hamburger Bros. &amp; Co. (Men's; Youths') .....A

Harzberg &amp; Co., J. ....B

Heilner, M. ....AA

Jacobson &amp; Baker (Pants) C

Kiehne &amp; Co., E. A. (Overalls) .....D

Lauchheimer &amp; Sons, M. H. (Men's; Youths') .....A

Likes &amp; Co. ....B

Lowman &amp; Co., S. ....B

Miller &amp; Co., S. F. &amp; A. F. (White Vests; Fancy Vests) .....B

Morris &amp; Co. (Overalls; Jumpers) .....B

Myer &amp; Co., Henry (Overalls) .....C

Phoenix Mfg. Co. (Overalls) AAA

Reinhard, Meyer &amp; Co. ....B

Ring &amp; Sons, M. ....A

Rosenstein Bros. ....B

Schenthal &amp; Sons, Jos. (Overalls) .....C

Schloss Bros. &amp; Co. (Men's;

**CLOTHING, MEN'S, &C.**

Youths') .....AAA  
 Schoeneman, Jacob (Men's  
 Pants; Boys' Pants)....B  
 Sonneborn & Co., H. (Men's;  
 Youths') .....AAA  
 Standard Overall Co. (Over-  
 alls) .....D  
 Strauss Bros. (Overalls)  
 AAA  
 Strauss & Co., A. J. (Pants)  
 B  
 Strouse & Bros. (Men's;  
 Youths') .....AAAA  
 Stuart & Keith (Overalls;  
 Jackets) .....B  
 Thalheimer Bros. (Suits;  
 Overcoats) .....B  
 Witz Bros. & Co. (Overalls;  
 Jumpers) .....B  
**MASS.—Beverly**  
 Carter Co., John F. (Water-  
 proof; Oiled) .....D  
**MASS.—Boston**  
 American Rubber Co.  
 (Mackintoshes) .....AAAA  
 Bailey & Co., C. J. (Rain  
 Coats) .....C  
 Broadway Coat Co. (Leath-  
 er; Sheep lined Coats;  
 Vests) .....A  
 Co-operative Rubber Co.  
 (Mackintoshes) .....C  
 Davies Payson & Co.  
 (Men's; Youths') .....B  
 Franklin Rubber Co.  
 (Mackintoshes) .....C  
 Freeland-Loomis Co. ....A  
 Hawley, Folsom & Ronimus  
 (Overalls) .....A  
 Hodgdon, Anderson & Merry  
 B  
 Loomis & Co., S. W. (Men's;  
 Youths') .....B  
 Macular-Parker Co. (Men's;  
 Youths') .....AA  
 Miner & Beal .....AAA  
 Morse, Leopold & Co.  
 (Men's; Youths') .....AA  
 Oak Hall Clothing Co.  
 (Men's; Youths') .....B  
 Pearson Co., J. B. (Men's  
 Overalls; Childrens' Over-  
 alls; Suits; Pants)....C  
 Peavy & Bros. J. (Men's;  
 Youths') .....AA  
 Pelonsky, N. A. (Overalls)  
 A  
 Rhodes & Ripley Clothing  
 Co. (Men's; Youths')...A  
 Rice, Sayward & Whitten  
 (Men's; Youths') .....A  
 Shuman & Co., A. (Men's;  
 Youths') .....AAAA  
 Simon Mfg. Co., The (Over-  
 alls; Sheepskin lined  
 Coats) .....D  
 Simons, Hatch & Whitten  
 Co. (Overalls) .....A  
 Talbot Co. (Men's; Youths)  
 AA  
 Tower Co., A. J. (Water-  
 proof; Oiled) .....A  
 Union Rubber Co. (Mackin-  
 toshes) .....B  
**MASS.—Cambridge**  
 Sayer & Son, H. M. (Water-  
 proof; Oiled) .....C  
**MASS.—Hudson**  
 Apsley Rubber Co. (Rub-  
 ber) .....AA  
**MASS.—Hyde Park**  
 Boston Gossamer Rubber Co.  
 (Mackintoshes) .....A  
**MASS.—Lynn**  
 Globe Mfg. Co. (Leather)  
 X  
**MASS.—Milford**  
 Clapp, Hucksins & Temple  
 (Leather) .....X  
 Milford Shoe Co. (Duck)...B  
**MASS.—Pittsfield**  
 Berkshire Mfg. Co. (Pants)  
 C  
**MASS.—South Framingham**  
 Conant Gossamer Rubber  
 Co., W. H. (Cravenette;  
 Waterproof) .....A  
**MASS.—Stoughton**  
 Stoughton Rubber Co. (Crav-  
 enette; Waterproof) ...A  
**MASS.—Worcester**  
 Hildreth & Co., A. G. (Over-  
 alls) .....C

**CLOTHING, MEN'S, &C.**

Howell & Co., W. P. (Duck  
 Coats; Butcher Frocks).D  
**MICH.—Detroit**  
 Carhartt, Hamilton (Duck)  
 B  
 Fink & Co., Wm. M. (Over-  
 alls; Pants) .....B  
 Imerman Bros. (Pants;  
 Overalls) .....C  
 Krolik & Co., A. (Jackets;  
 Mackinaws; Pants; Over-  
 alls) .....AA  
 Peerless Mfg. Co. (Pants;  
 Overalls; Duck Coats;  
 Mackinaw Coats) .....B  
 Rosen & Co., A. D. (Over-  
 alls; Pants) .....B  
 Rosenfield-Monroe Co.  
 (Overalls; Pants) .....C  
 Schloss Bros. (Youths';  
 Men's) .....A  
 Stanton & Co., M. M. (Over-  
 alls; Pants; Lumbermens'  
 Clothing) .....AAA  
**MICH.—Grand Rapids**  
 Fasoldt Bros. (Overalls;  
 Pants; Duck Coats)....D  
 Ideal Clothing Co. (Pants;  
 Overalls; Duck Coats)..B  
**MICH.—Howell**  
 Garland, A. (Pants).....C  
**MICH.—Kalamazoo**  
 Henderson-Ames Co. (Band;  
 Police Uniforms; Fire-  
 men's Uniforms) .....A  
**MICH.—Lansing**  
 Flint Pantaloon Co. (Pants;  
 Overalls; Jackets; Duck  
 Coats) .....C  
**MICH.—Saginaw**  
 Wylie Mfg. Co. (Overalls;  
 Pants; Duck Coats; Mack-  
 inaws) .....C  
**MICH.—Wyandotte**  
 Bishop Co., J. H. (Fur  
 Coats) .....A  
**MINN.—Duluth**  
 Christensen, Mendenhall &  
 Graham (Overalls; Pants)  
 O  
**MINN.—Minneapolis**  
 Patterson & Stevenson Co.  
 (Fur Coats) .....A  
 Plymouth Clothing House  
 (Furs) .....AA  
 Robitshek, Frank & Heller  
 (Pants; Overalls; Duck  
 Coats) .....A  
 Wyman, Partridge & Co.  
 (Overalls; Pants; Duck  
 Coats; Mackinaws)  
 AAAA  
**MINN.—St. Paul**  
 Finck, Young & McConville  
 (Overalls; Pants; Duck  
 Coats; Covert Coats;  
 Mackinaws) .....AAA  
 Gulterman Bros. (Duck;  
 Bar Goods; Mackinaws;  
 Pants; Overalls) .....A  
 Lindeke, Warner & Schür-  
 meler (Overalls; Pants)  
 AAAA  
 Sternberg, Herman .....B  
 Sternberg, Well & Co.  
 Duck; Mackinaw) ....B  
 Sternberg & Gottschall  
 (Overalls; Pants; Duck  
 Coats) .....C  
 Tibbs, Hutchins & Co. (Over-  
 alls; Coats) .....A  
**MINN.—St. Peter**  
 Johnson & Co. (Men's Pants;  
 Boys' Pants; Overalls;  
 Duck Coats) .....B  
**MISS.—Corinth**  
 Alcorn Woolen Mfg. Co.  
 (Pants; Suits) .....B  
 Corinth Clothing Mfg. Co.  
 (Pants) .....C  
**MISS.—Meridian**  
 Marks, Rothenberg & Co.  
 (Jean Pants) .....AAA  
**MO.—Jefferson**  
 Star Clothing Co. (Jean  
 Pants; Overalls; Duck  
 Coats) .....C  
**MO.—Kansas City**  
 Barmon, Wm. (Pants) ...A  
 Burnham-Munger Mfg. Co.  
 Duck Overalls; Cottonade  
 Pants) .....AAAA  
 Smith-McCord-Townsend Dry

**CLOTHING, MEN'S, &C.**

Goods Co. (Pants; Overalls; Duck) .....AAA  
 Standard Mfg. Co. (Overalls) .....D  
 Swofford Bros. Dry Goods Co. (Overalls; Pants; Jumpers) .....AAA  
**MO.—St. Joseph**  
 August, Albert J. (Pants; Overalls) .....X  
 Brittain Dry Goods Co., John S. (Duck Overalls; Pants) .....AA  
 Hundley-Smith Dry Goods Co. (Overalls; Pants; Duck Clothing) .....AA  
 McDonald & Co., R. L. (Overalls; Pants; Duck Clothing) .....AAA  
 Richardson-Roberts Dry Gds. Co. (Pants; Overalls) .....AAA  
 Tootle, Wheeler & Motter Mercantile Co. (Overalls; Pants; Duck Clothing) .....AAAA  
**MO.—St. Louis**  
 Bohm Bros., Furnishing Gds. Co. (Overalls) .....A  
 Carleton Dry Gds. Co. (Overalls) .....AAAA  
 Ely & Walker Dry Goods Co. (Overalls; Pants) .....AAAA  
 Epstein & Co., I. (Pants; Overcoats) .....C  
 Everett Mfg. Co. (Overalls; Jumpers) .....D  
 Ferguson - McKinney Dry Goods Co. (Overalls) .....AAAA  
 Gilmore & Ruhl (Men's; Youths') .....A  
 Haas & Son Pants Co., A. (Men's Pants; Boys' Pants) .....B  
 Hagadine-McKittrick Dry Goods Co. (Coats) .....AAAA  
 Harris Bros. Clothing Co. (Men's; Youths') .....A  
 Leichtman, Goodman & Co. .....B  
 Lippman, Joseph M. ....C  
 Loth Jeans Clothing Co. (Pants; Duck Coats) .....C  
 Marglous & Co. (Overalls) .....O  
 Marx & Haas Clothing Co. (Duck Coats; Duck Pants) .....A  
 Mayfield Woolen Mills Co. ....AAAA  
 Mills & Averill Tailoring Co. ....A  
 Premium Mfg. Co. (Pants; Overalls; Jumpers; Duck Coats) .....AAAA  
 Red Diamond Clothing Co. (Overalls; Jumpers) .....C  
 Rice-Stix Dry Goods Co. (Overalls; Pants) .....AAAA  
 Rosenthal & Desberger (Men's; Youths') .....A  
 Rosenthal & Co., M. (Woolen) .....B  
 Russack & Sons, Isaac ....A  
 Schwab Clothing Co. (Men's; Youths') .....AAAA  
 Zittlosen Mfg. Co. (Leather; Oiled; Rubber) .....C  
**MO.—Sedalia**  
 Cain Mfg. Co., J. M. (Pants) .....C  
 Lamy Mfg. Co., J. A. (Overalls; Pants; Blanket lined Duck Coats) .....B  
**MONT.—Butte**  
 Connell Co., M. J. ....A  
**MONT.—Helena**  
 Greenwood-Benn Co. (Overalls; Pants; Jackets; Mackinaws) .....B  
**NEBR.—Lincoln**  
 Herman Bros. Mfg. Co. (Overalls; Pants; Duck Coats) .....A  
 Lincoln Overall & Shirt Co. (Overalls; Jackets) .....D  
**NEBR.—Omaha**  
 Byrne & Hammer Dry Goods Co. (Pants; Overalls) .....AAAA  
 King & Smead (Duck; Overalls; Pants) .....C

**CLOTHING, MEN'S, &C.**

Smith & Co., M. E. (Pants; Overalls; Jumpers; Duck) .....AA  
**N. H.—Canaan**  
 Barney Bros. (Overalls; Pants; Duck Coats) ....C  
**N. H.—Lebanon**  
 Carter & Churchill Co. (Overalls; Barber Coats; Bar Coats; Hunting Coats) .....B  
 Carter & Sons, H. W. (Overalls; Pants; White Coats) .....B  
**N. H.—Nashua**  
 Burbank Mfg. Co. (Overalls; Jumpers; Sacks) .....D  
**N. J.—Dover**  
 Peters & Moore (Overalls; Pants) .....D  
**N. J.—Newark**  
 Kraft, Mrs. T. (Pants) ...C  
 Loewenberg & Cohn (Bar Coats; Butcher Gowns; Sportsmens' Goods) .....A  
 Stoutenburgh & Co. (Men's; Youths') .....AA  
**N. J.—Paterson**  
 Levi & Co., Jacob (Overalls; Pants; Jumpers) ...C  
**N. J.—Somerville**  
 Somerville Woolen Mills (Men's; Youths') .....A  
**N. J.—Trenton**  
 Murray, Griffith & Messler (Overalls; Sporting Coats) .....B  
 Rice Clothing Co. (Institution) .....B  
**N. J.—Woodbine**  
 Daniel & Blumenthal .....B  
**N. Y.—Binghamton**  
 Binghamton Overall Co. (Overalls; Duck Coats; Covert Coats) .....B  
 Freeman Overall Co. (Overalls; Duck Lined Coats) .....C  
 Smith, Cray & Davidge (Overalls; Pants; Aprons) .....B  
 Smith, Kinney & Co. (Overalls; Pants; Coats) .....B  
**N. Y.—Brooklyn**  
 Barnard & Co., Geo. (Inc.) (Sportsmens') .....B  
 Gomers' Sons, Chas. (Men's; Youths') .....B  
 Kenyon Co., C. (Rain Coats; Outing Suits; Smoking Jackets; Fancy Vests) .....AA  
**N. Y.—Buffalo**  
 American Buffalo Robe Co. (Fur; Cloth Ulsters; Reefers; Driving) .....B  
 Beyer Bros. (Pants; Overalls) .....B  
 Cohn & Co., Frank (Men's; Youths') .....B  
 Cohn & Co. (Pants; Overalls) .....B  
 Lepper & Ellwood (Overalls; Pants; Duck Coats; Mackinaws) .....D  
 La Due-Tatue Mfg. Co. (Pants; Overalls; Duck Coats) .....B  
 Niagara Overall & Pants Co. (Overalls; Pants; Duck Coats) .....D  
 Wile Bros. & Weill (Men's; Youths') .....A  
 Wile & Co., M. (Men's; Youths') .....B  
**N. Y.—Cayuga**  
 Cummings, Frank (Overalls; Jackets) .....D  
**N. Y.—Chestertown**  
 Faxon Mfg. Co., C. H. (Overalls; Pants; Coats) .....A  
**N. Y.—Dansville**  
 Hubertus & Sons, H. (Pants; Overalls; Coats) .....D  
**N. Y.—Ephratah**  
 Yanney, Levi (Pants) ....C  
**N. Y.—Gloversville**  
 Leak Fur Mfg. Co. (Fur Coats) .....D  
 Steele Bros. (Fur Coats) .....D  
**N. Y.—Madrid**  
 Madrid Woolen Mill (Pants) .....C



# CLOTHING, MEN'S, &O.

N. Y.—Malone  
Ballard & Co., J. O. (Wool-  
en Tweed Pants) .....C  
N. Y.—Milton  
Bell's Sons Co., H. H.  
(Elderdown) .....B  
N. Y.—Newburgh  
Cleveland & Whitehill Co.  
(Overalls; Pants) .....B  
Sweet, Orr & Co. (Overalls;  
Pants; Coats; Corduroys)  
AA  
New York City  
Abercrombie & Fitch, 314  
B'way (Fishermens'; Hun-  
ters'; Leather; Water-  
proof Oiled) .....B  
Abrahams Bro. & Co., Mark  
L. (Childrens' Suits;  
Knee Pants) .....C  
Baer, Lissner & Co. (Pants)  
B  
Ballin & Sons, M. (Overalls)  
D  
Bamberger Bros. (Juvenile)  
B  
Bauman & Sperling .....AA  
Benjamin & Co., Alfred  
(Golf Suits; Tennis Suits;  
Smoking Jackets) ...AAA  
Best & Co. (Boys'; Chil-  
drens') .....AA  
Biermann, Hy. (Overalls).D  
Bloom & Sons, R. W.  
(Pants) .....B  
Bogenicht & Scharff (Boys'  
Kilts) .....D  
Brand Bros. (Pants; Over-  
alls) .....B  
Brittain Dry Goods Co.,  
John S. ....AA  
Brown & Co. (Boys' Waists)  
D  
Browning, King & Co. AAAA  
Brummer, Max B. (Pants)  
B  
Cane & Co., Henry W.  
(Juvenile) .....B  
Cohen, Endel & Co. (Men's;  
Youths') .....A  
Cohen, Goldman & Co.  
(Pants) .....AAA  
Cohn, Brown & Co. (Youths'  
Knee Pants) .....A  
Cosel & Goldstein .....B  
Crouse & Brandegee .....AA  
Davidson & Blankfort  
(Men's Uniforms; Youths'  
Uniforms) .....B  
Dubinsky, Louis (Overalls)  
D  
Ehrman & Stern .....B  
Elsner, Jacob .....B  
Elsner, Krulewitch & Co.  
(Summer) .....B  
Ernst, Max .....A  
F. B. Q. Clothing Co.  
(Men's; Youths') .....A  
Fechheimer, Fishel Co. AAA  
Finkelstein & Maaget .....B  
Frank, Ivan & Co. (Chil-  
drens') .....A  
Friedman & Co., J. ....A  
Friedman Bros. & Co. ....B  
Gershel & Son, H. (Smoking  
Jackets) .....B  
Goldberg, B. B. (Summer  
Overcoats; Rain Coats).B  
Goldberg & Son, M. (Boys'  
Shirt Waists) .....B  
Goldberg, Harris & Co.  
(Juvenile) .....A  
Golde & Sons, S. (Men's;  
Youths') .....A  
Gollands' Sons, I. (Men's;  
Youths') .....A  
Goodyear's India Rubber  
Glove Mfg. Co. (Rubber)  
AAAA  
Goodyear's Rubber Co., 787  
B'way (Rubber) ..AAAA  
Greenbaum & Co., J. L.  
(Men's; Youths') .....A  
Greif & Bro., L. ....AA  
Grossman, Michaelsohn &  
Co. (Odd Shaped) .....B  
Gumbiner & Fox .....B  
Hackett, Carhart & Co.  
(Men's; Youths') ..AAAA  
Hass & Gunter (Men's;  
Youths') .....A  
Hastings Clothing Co.  
(Men's; Youths') .....A

# CLOTHING, MEN'S, &O.

Hays & Co., Levi .....B  
Heidelberg, Wolff & Co.  
AAA  
Heller, Rothschild & Lang  
(Summer; Trousers; Rain  
Coats; Fancy Vests;  
Smoking Jackets) .....A  
Heller & Co. (Youths'  
Pants; Childrens' Pants)  
O  
Herrman & Co., Julius  
(Youths') .....A  
Hirschman Bros. & Co.  
(Men's; Youths') .....A  
Hodgman Rubber Co. (Rub-  
ber) .....AA  
Hoffman & Marks (Men's;  
Youths') .....B  
Hoffman, Rothchild & Co.  
AAA  
Hornthal & Riem, Benj. ....A  
Horwitz, H. (Men's;  
Youths') .....A  
Isaacs, Beudet .....AA  
Jacobs' Sons & Co., A.  
(Men's; Youths') .....B  
Jacobson & Gleitzman (Jer-  
sey Coats) .....B  
Kahn, Dreyfus & Co. (Boys')  
B  
Kahn, Wertheimer & Smith  
(Boys') .....B  
Kamber & Co., R. ....B  
King-Clark Co. (Boys'  
Waists; Boys' Blouses).C  
Klee & Co. ....B  
Klein & Co., Joseph (Boys'  
Knee Pants) .....B  
Kohn & Co. ....A  
Korn Sons' & Co., S. W.  
AAAA  
Kratzenstein & Co., Herman  
(Men's; Youths') .....A  
Kuhn & Sons, H. (Boys')..B  
Lauterbach, Wm. (Pants).B  
Lesser, Louis .....A  
Levenson & Co., Max L.  
(Men's; Youths') .....B  
Levinson & Co., S. (Juve-  
nile) .....A  
Levy & Co., Moe .....A  
Levy, Lachenbruch & Co. A  
Levy & Weinstein .....A  
Light & Co., B. ....A  
Lippmann & Sons, G. (Juve-  
nile) .....AAAA  
Lithauers' Sons, L. ....B  
Lob Bros. & Co. (Pants) ..A  
Loeb & Waldheimer (Jue-  
nile) .....B  
Loewy & Co., J. (Overalls;  
Jumpers) .....O  
Mandel & Weiner .....A  
Manhattan Wash Suit Co. B  
Marcus Bros. ....A  
Margulies & Son, L.  
(Youths' Knee Pants)...O  
Marks & Sons, David ..AA  
Marks' Son & Co., M. A.  
(Merrimac Mfg. Co.)  
(Men's; Youths') .....A  
Mendelson & Bros., J. (Jue-  
nile) .....B  
Nagel, I. (Pants) .....C  
Nathan, Son & Co., S. J. ..B  
Nebraska Clothing Co. ...A  
New & Co., A. (Pants) ..B  
Northrop & Curry (Boys')  
A  
Novelty Clothing Co. (Jue-  
nile) .....B  
Oppenheim & Co. (Men's  
Pants; Youths' Pants;  
Boys' Pants) .....B  
Peck & Co., Samuel W.  
(Juvenile) .....A  
Present & Co. (Panta) ...B  
Rabinowits & Co., A.  
(Pants) .....B  
Regal Clothing Co. ....B  
Rogers, Peet & Co. ....AAA  
Roggen & Eisenstein (Over-  
alls; Pants) .....A  
Rose Bros. (Pants) .....O  
Rosenberg Bros. & Co. ...A  
Rosenthal & Co., H. R.  
(Youths' Pants; Chil-  
drens' Pants) .....A  
Rosenthal, Joseph (Suits;  
Overcoats) .....B  
Rosenthal & Bros., Samuel  
(Juvenile) .....A  
Rosenthal Mfg. Co. ....B

**CLOTHING, MEN'S, &C.**

Rothschild Co., V. Henry (Pants) ..... B  
 Sampter Sons' & Co., M. (Youths') ..... AA  
 Samuels & Bros., J. .... AAA  
 Scharps & Simon (Boys' Shirt Waists; Blouses) ... D  
 Schattman Bros. (Men's; Youths') ..... B  
 Schleestein, Cohn & Co. ... A  
 Schneers' Son & Co., Isaac (Boys' Wash Suits) ... B  
 Shretski, Wm. .... B  
 Shuter & Adler Bros. (Pants) ..... B  
 Siff & Bros., L. .... B  
 Simon, Julius (Blouses) ... C  
 Sohn, Oppenheimer & Co. (Men's Pants; Boys' Pants) ..... A  
 Solomon & Sons, J. .... A  
 Spero & Son, Michael ... A  
 Standard Oiled Clothing Co. (Waterproof Oiled) ... A  
 Stern & Son, B. .... B  
 Sternberg Bros. (Pants) ... A  
 Swartz, Jerkowski & Co. ... B  
 Sykes & Ab. Kirschbaum & Co. .... AA  
 Valenstein & Co., J. (Men's; Youths') ..... B  
 Valentine & Rabinowitz (Pants) ..... AA  
 Vogel Bros. .... AA  
 Vogel & Son, Wm. .... AA  
 Wald, Walker & Co. (Summer Pants) ..... B  
 Welgert, Meyer, Gross & Co. (Pants) ..... C  
 Wener & Co., J. .... B  
 Werner & Co., A. L. (Pants) ... A  
 Werner Bros. (Pants) .... A  
 Werner & Sons, Julius ... A  
 Wolf & Abrahams ..... B  
 Worcester Pants Mfg. Co. (Bicycle Pants) ..... B  
 Wronker & Well (Summer; Pants; Vests) ..... B  
 Yeska, Joseph (Summer; Fancy Vests; Waiters' Jackets; Bar Coats) ... B  
 Yost & Co., Chas. A. (Summer) ..... B  
**N. Y.—No. Tonawanda**  
 Becker Bros. (Overalls) ... D  
**N. Y.—Poughkeepsie**  
 Dutchess Mfg. Co. (Pants; Overalls) ..... A  
**N. Y.—Rochester**  
 Adler Bros. & Co., L. ... AA  
 Black & Co. (Men's; Suits; Youths' Overcoats) ... A  
 Garson, Meyer & Co. (Men's; Youths') ..... AA  
 Goldwater & Co. (Men's; Youths') ..... A  
 Goldwater & Bros., N. (Pants; Overalls) ... A  
 Hershberg & Co. .... B  
 Holtz & Sons, Louis (Men's; Youths') ..... A  
 Lowenthal & Bro., Max (Athletic) ..... AA  
 Menter, Rosenbloom & Co. A  
 Meyer & Simon ..... B  
 Michaels, Stern & Co. (Men's; Youths') ... AAA  
 Moore & Belrs (Men's; Youths') ..... A  
 Solomon Bros. & Lempert. B  
 Stein-Bloch Co. (Inc.) (Men's; Youths') ... AAAA  
 Tichner & Jacobi ..... B  
**N. Y.—Sidney**  
 Clark Textile Co. .... A  
**N. Y.—Syracuse**  
 Freeman & Co., Geo. (Specialty in Overcoats) ... A  
 Kearney Bros. (Men's; Youths') ..... B  
 Lovell Wrapper & Overall Co. (Overalls) ..... D  
 Syracuse Clothing Co. (Overcoats) ..... AA  
 Woodhull, Goodale & Bull A  
**N. Y.—Utica**  
 Cooper & Co., H. H. (Men's; Youths') ..... B  
 Crouse & Brandegge (Men's; Youths') ..... AA  
 Pixley & Son, H. D. .... A

**CLOTHING, MEN'S, &C.**

Riverside Mfg. Co. (Rathbun & Co.) (Overalls; Cotton Pants) ..... A  
 Roberts-Wicks Co. .... A  
**N. Y.—Walden**  
 Wooster Mfg. Co., H. B. (Overalls; Pants) ..... D  
**N. Y.—Warrensburg**  
 Warrensburg Woolen Co. (Pants) ..... A  
**N. C.—Charlotte**  
 Charlotte Clothing Mfg. Co. (Pants) ..... B  
 Charlotte Trouser Co. (Pants) ..... A  
 Junior Clothing Mfg. Co. (Pants) ..... C  
 Piedmont Clothing Mfg. Co. (Pants; Overalls) ..... C  
**N. C.—Graham**  
 Scott-Mebane Mfg. Co. (Overalls) ..... C  
**N. C.—Highpoint**  
 Highpoint Overall Co. (Overalls) ..... D  
**N. C.—Wilmington**  
 Bear & Co., I. M. (Overalls) O  
**OHIO—Cincinnati**  
 Bettmann Bros. & Co. ... A  
 Bing, I. & S. (Men's Suits; Youths' Suits; Overcoats; Odd Pants) ..... AA  
 Bloch & Co., Abe. .... AA  
 Bloom Bros. & Co. .... A  
 Bloom, Cohn & Co. .... A  
 Capital Mfg. Co. (Overalls) D  
 Eisenman & Co., Chas. (Boys' Waists; Blouses) A  
 Fallers Sons' Co., Isaac AAA  
 Fechheimer Bros. Co. (Uniforms) ..... A  
 Fechheimer, Klefer & Co. (Men's; Youths'; Pants) A  
 Feder, Silberberg & Co. ... A  
 Gellershofer Clothing Co., Henry (Men's; Youths') AA  
 Globe Overall Mfg. Co. (Successors to Julius Feibelman) (Overalls) ..... D  
 Globe Tailoring Co. .... A  
 Goldman, Beckman & Co. (Men's; Youths') ..... AA  
 Hanke Bros. (Overalls) AAA  
 Hart & Co., E. .... A  
 Hart & Co., Isaac (Suits; Overcoats) ..... B  
 Heilbrun & Nussbaum (Pants) ..... C  
 Heldman, Heldman & Co. (Men's; Youths') ..... A  
 Levy, Price & Co. (Boys') A  
 Loebs' Sons & Co., L. (Pants; Overcoats) ... C  
 Marks & Co., M. H. (Summer; Overcoats; Fancy Vests; Wash Vests) ... A  
 Mayer, Scheuer, Offner & Co. (Men's; Youths') L AAA  
 Ochs, Goodman & Co. (Men's; Youths') ... AAA  
 Oppenheimer, Seasongood & Co. (Men's Overcoats; Youths' Overcoats; Pants) A  
 Reiter & Co., Peter (Overalls; Pants) ..... D  
 Rosenthal & Mayer (Globe Tailoring Co.) ..... A  
 Sanford, Storrs & Varner (Suits; Overcoats) ... A  
 Seinsheimer & Co., H. A. (Boys'; Childrens') ... A  
 Shillito Co., John (Overalls; Pants) ..... AAAA  
 Sommerfield & Co., A. A. W. (Summer; Overcoats; Pants) ..... B  
 Steifel, Holstein & Falk (Overalls) ..... D  
 Stern, Lauer, Shohl & Co. (Men's; Youths') ... AA  
 Stricker, Beitman & Co. (Pants) ..... B  
 Sturm & Sons, G. (Summer; Overcoats; White Vests; Fancy Vests; Bar Coats; Barber Coats; Smoking Jackets) ..... B

**CLOTHING, MEN'S, &C.**

United States Overall & Pants Mfg. Co. (Overalls; Pants; Jumpers) .....D  
 Verkamp & Sons, G. H. (Men's; Youths') .....B  
 Weiler, S. L. (Pants) .....B  
 Wolfson Bros. & Co. (Boys'; Childrens') .....B  
 Wyler, Akerland & Co. ....AAAA

**OHIO—Cleveland**

Enterprise Mfg. Co. (Overalls; Jumpers) .....D  
 Epstein & Co., B. ....B  
 Fisher & Son, B. (Overalls) .....C  
 Goldsmith, Feiss Co., Jos. (Men's; Boys') .....AAAA  
 Hall, Schwartz & Skall (Overalls) .....A  
 Klein, Lichtenstadter & Co. (Overalls) .....A  
 Kohn Bros. & Heller (Summer; Bicycle) .....A  
 Kornhauser, D. H. (Men's; Youths') .....B  
 Metropolitan Mfg. Co. (Overalls; Pants) .....D  
 Miller, Weizenhof & Co. ....B  
 Schwartz & Co. (Overalls; Pants) .....D

**OHIO—Columbus**

Ambach & Co., D. S. ....B  
 Burgunder Bros. & Co. (Men's; Boys') .....A  
 Columbus Mds. Co. (Overalls; Pants) .....A  
 Lilley & Co., M. C. (Uniforms) .....AAAA

**OHIO—Dayton**

Gem Shirt Co. (Overalls; Pants) .....A  
 Legler & Co. (Overalls; Pants; Duck Coats; Aprons) .....A

**OHIO—Hamilton**

Sommers Mfg. Co., J. A. (Overalls; Pants; Duck; Corduroy Coats) .....C

**OHIO—Portsmouth**

Eisman & Co., J. (Pants) .....C

**OHIO—Toledo**

Littman & Hoffstadt ....R  
 Stern & Bloch (General Line) .....A  
 Shaw & Sassman Co. (Pants; Overalls; Duck Coats) .....B

**OREGON—Portland**

Fleischner, Mayer & Co. (Overalls; Duck Clothing) ....AAA

Newstadter Bros. (Overalls; Pants) .....A  
 Wolf & Bro., H. (Overalls) .....D

**PA.—Allentown**

Bittner, Hunsicker & Co. (Overalls) .....AA

**PA.—Brookville**

Brookville Woolen Mills (Pants; Overalls) .....B

**PA.—Dillsburg**

Harrisburg Mfg. Co. (Overalls; Pants; Coats) .....D

**PA.—Easton**

Correll, J. W. (Overalls; Pants) .....B  
 Standard Mfg. Co. (Pants; Overalls; Coats) .....C

**PA.—Erie**

Baker & Son, Isaac ....B  
 Straus Mfg. Co. (Pants; Overalls) .....B  
 Freeland Overall Mfg. Co. (Overalls; Pants) .....C

**PA.—Harrisburg**

Goodman, Oscar (Overalls; Pants) .....D

**PA.—Montoursville**

Meyer & Co., L. I. (Pants; Overalls; Knee Pants) .....C

**PA.—Philadelphia**

Allen & Co., W. & T. ....A  
 Arnold, Louchheim & Co. ....AA  
 Bacharach & Co., M. (Men's; Boys') .....B  
 Blumenthal Bros. & Co. ....AA  
 Brubaker & Son, E. (Overalls) .....D  
 Chester, Bodek & Co. (Overalls) .....D  
 Daniel & Blumenthal (Men's; Childrens') .....r

**CLOTHING, MEN'S, &C.**

Delaware Rubber Co., 631 Market (Rubber) .....X  
 Detwiler & Son, I. L. (Men's; Youths') .....B  
 Eckstein, Wm. (Boys' Suits; Pants; Overalls) .....B  
 Fleisher Bros. (Men's; Boys') .....AAA  
 Frank Bros. & Co. (Men's; Boys') .....AAA  
 Gantert & Carpenter (Overalls; Pants; Coats) .....D  
 Greenebaum Bros. (Boys' Shirt Waists; Blouses) .....D  
 Harris, Isaac & Co. (Men's Suits; Boys' Suits; Overcoats) .....B  
 Hexter Bros. (Summer Goods; Bar Coats) .....AA  
 Kirschbaum & Co., A. B. ....AAAA

Lang, Morris .....A  
 Leicester & Continental Mills Co. (Smoking Jackets; Bathing Suits) .....AA  
 Lisberger & Wise (Pants) .....B  
 Liveright, Greenwald & Co. (Men's; Boys') .....AAA  
 Meyers & Co., Wm. (Men's; Youths') .....B  
 Moldawer & Sons, M. (Men's; Youths') .....B  
 Reed's Sons, Jacob (Civilian; Uniform) .....AA  
 Schoeneman & Salsburg (Men's; Youths') .....B  
 Snellenburg & Co., N. Dept. A. Goldsmith Sons (Outing Suits; Bar; Waiter Coats; Fancy Vests) .....AAAA

Treacy, Morris & Co. (Men's; Youths') .....A  
 Underdown, A. R. (Overalls) .....C

Yates & Co., A. C. (Men's; Boys') .....A

**PA.—Pittsburg**

Arbuthnot-Stephenson Co. (Pants; Overalls) .....AAA  
 Kennett & Co., Joseph (Pants) .....B  
 Hannach Bros. (Overalls) .....D  
 Lehman & Kingsbaker (Pants) .....A  
 Oppenheimer & Co., M. (Men's; Boys') .....A  
 Pittsburg Dry Goods Co. (Overalls) .....AAA  
 Rosenberg & Co., J. (Pants) .....C

**PA.—Reading**

Brumbach, A. J. (St. Lawrence Woolen Mills) (Pants; Vests; Knee-Pants) .....AA  
 Leimbach & Co., J. G. (Pants) .....A

Mercer, James R. (Overalls) .....B

**PA.—Scranton**

White Mfg. Co., Thos. A. (Overalls; Pants) .....D

**PA.—Shamokin**

English & Henry (Overalls only) .....D

**PA.—Shippensburg**

Rummel Hines & Co., (Succ. to Shippensburg Mfg. Co.) (Suits; Pants; Blouses; Overcoats) .....C

**PA.—Waynesboro**

Waynesboro Mfg. Co. (Overalls; Jackets) .....D

**PA.—York**

Hartman, L. M. (Overalls; Blouses) .....C

**R. I.—Bristol**

National India Rubber Co. (Rubber) .....AAAA

**S. C.—Charleston**

Wilbur & Son, T. A. (Overalls; Pants) .....A

**TENN.—Chattanooga**

Geismar Bros. & Bissinger Chattanooga Pants Factory (Overalls) .....C

**TENN.—Cleveland**

Cleveland Woolen Mills (Jean Pants; Overalls) .....B

**TENN.—Jefferson**

Jefferson City Woolen Mills (Pants; Overcoats; Duck

**CLOTHING, MEN'S, &C.**

Pants) .....B  
**TENN.**—Knoxville  
 Briacoe Mfg. Co. (Overalls; Pants) .....C  
 Claiborne, Tate & Cowan (Men's; Boys') .....B  
 McTeer Clo. Co., J. T. AA  
**TENN.**—McMinnville  
 Faulkner, Clay (Mountain City Woolen Mills) (Pants; Overalls) .....C  
**TENN.**—Memphis  
 Jiedel & Bro., J. (Jeans; Pants) .....B  
 Lowenstein & Bros., B. (Pants) .....AAAA  
 Morris & Bro., H. (Cassimere; Jean Pants) .....A  
**TENN.**—Nashville  
 National Woolen Co. (Duck Pants; Overalls) .....B  
 O'Bryan Bros. (Suits; Pants; Overalls; Duck-lined Coats) .....A  
**TEXAS**—Dallas  
 Rose Mfg. Co. (Pants; Overalls; Jumpers) .....B  
 Sanger Bros. (Duck Pants; Overalls; Jumpers) AAAA  
**TEXAS**—Galveston  
 Pierson, A. L. (Pants; Overalls; Jumpers) .....C  
**TEXAS**—Waco  
 Slayden-Kirkey Woolen Mill (Cassimere; Worsted Pants) .....AA  
**UTAH**—Salt Lake City  
 Rosenbaum Bros. ....B  
 Zion's Co-operative Merc. Institution (Overalls; Duck-Lined Goods; Jumpers) .....AAAA  
**VT.**—Brattleboro  
 Hooker, Corser & Mitchell Co. (Overalls; Pants; Coats) .....C  
**VT.**—Derby Line  
 Pike Bros. (Standard Mfg. Co.) (Overalls; Pants) D  
**VA.**—Abingdon  
 Palmer & Co., L. A. (Overalls) .....B  
**VA.**—Charlottesville  
 Marchant Mfg. Co., H. C. (Overalls) .....C  
**VA.**—Lynchburg  
 Knight Clo. & Mfg. Co. B  
**VA.**—Norfolk  
 Steel's Union Overall Co. (Overalls) .....D  
**VA.**—Richmond  
 Cohen Son & Co., M. (Overalls) .....A  
**VA.**—South Boston  
 Boston Mfg. Co. (Pants; Overalls) .....A  
**VA.**—Staunton  
 Fulton Witz & Co. (Overalls) .....AA  
**WASH.**—Spokane  
 Spokane Dry Goods Co. (Inland Mfg. Co. (Overalls; Mackinaw Suits) .....A  
 Spokane Dry Goods Co. (Mackinaw) .....A  
**W. VA.**—Charleston  
 Schwabe & May .....B  
**W. VA.**—Huntington  
 Biggs, Watts & Co. (Peerless Mfg. Co. (Overalls; Pants) .....B  
**W. VA.**—McMechen  
 McMechen Mfg. Co. (Overalls) .....A  
**W. VA.**—Moundsville  
 Klee's Sons, Joseph (Pants) B  
**WIS.**—Appleton  
 Appleton Shirt & Pants Co. (Pants; Suits) .....C  
**WIS.**—Fond du Lac  
 Badger Sewing Co. (Overalls; Duck Coats) .....D  
 Fond Du Lac Shirt & Overall Co. ....D  
**WIS.**—Janesville  
 Janesville Clothing Co. (Overalls; Pants; Duck Coats) .....D  
**WIS.**—La Crosse  
 La Crosse Rubber Mills Co. (Rubber) .....B  
 Martin Bros. Co. (Overalls;

**CLOTHING, MEN'S, &C.**

Pants; Duck Clothing) C  
**WIS.**—Milwaukee  
 Abeles, F. E. & Co. (Overalls) .....D  
 Adler & Sons Clothing Co., David (General Line) A  
 Bellack Co., Chas. H. (Men's; Youths') .....B  
 Fein Bros. & Co., S. S. (Overalls; Pants) .....C  
 Friend Bros. Clothing Co. (Suits; Overalls; Ulsters; Pants) .....A  
 Goll & Frank Co. (Overalls; Pants; Duck Coats; Mackinaws) .....AAAA  
 Landauer & Co. (Overalls; Pants) .....AA  
 Mahler, Albenberg & Co. (Pants; Overalls; Duck Coats; Mackinaws) AA  
 Rice & Friedman Co., J. H. (Mackinaws; Duck Coats; Overalls; Pants) A  
 White, N. Y. (Pants) AA  
**WIS.**—Racine  
 Alshuler Mfg. Co., Chas. (Overalls; Jackets; Duck Coats) .....B  
 Hilker-Wischers Mfg. Co. (Overalls) .....D

**CLOTHES PINS**

See Pins

**CLOTHS**

**CAL.**—San Francisco  
 California Jute Mill Co. A  
 Neville & Co. (Jute) A  
**CONN.**—Fairfield  
 Fairfield Rubber Co. (Carriage) .....C  
**CONN.**—Meriden  
 Meriden Curtain Fixture Co. (Shade) .....B  
**CONN.**—Middletown  
 Arawana Mills (I. E. Palmer) (Cotton Piano; Screen) AA  
 Palmer, J. L. (Screen) AAA  
**CONN.**—Merwich  
 Clinton Mills Co. (Carriage; Broad; Billiard) A  
 Falls Co. (Awning) AA  
**CONN.**—Torrington  
 Warrenton Woolen Co. (Carriage) .....A  
**GA.**—Augusta  
 Sibley Mfg. Co. (Awning) AAA  
**ILL.**—Chicago  
 Western Shade Cloth Co. (Shade) .....A  
**MAINE**—Dexter  
 Morrison Woolen Co. (Woolen Carriage) .....C  
**MAINE**—Lewiston  
 Bates Mfg. Co. (Table) X  
 Libbey & Dingley (Woolen Carriage) .....A  
**MAINE**—So. Berwick  
 Newichanick Co. (Wool Clearer; Slasher) A  
**MD.**—Baltimore  
 Garry & Son, Jas. S. (Awning) .....AAAA  
 Hooper & Son, Wm. E. (Awning) .....AAAA  
 Laurel Mills, 9 W. German (Awning) X  
**MASS.**—Billerica  
 Talbot Mills (Carriage) AA  
**MASS.**—Boston  
 Chase & Co., L. C., 129 Washn. (Carriage) AAA  
 Floyd Bros. & Co. (Waterproof, Com.) AA  
 Stohn, C. G. (Corset) C  
**MASS.**—Colerain  
 Griswoldville Mfg. Co. (Butter) .....X  
**MASS.**—Methuen  
 Knitted Fabrics Co. (Jersey) .....B  
**MASS.**—Pittsfield  
 Helliwell & Co. (Carriage; Cap; Casket) .....D  
 Russell Mfg. Co., S. N. &

**CLOTHS (Con.)**

C. (Carriage) ..... B  
**MASS.—Thorndike**  
 Thorndike Co. (Awning) ..... AAA  
**MASS.—Webster**  
 Slater Woolen Co. (Carriage) ..... AAAA  
**MICH.—Dearborn**  
 Arna Mills (Astrachan) .. D  
**MICH.—Detroit**  
 Pioneer Woolen Mills (Elderdown; Jersey) ... D  
**MO.—St. Louis**  
 Zittlosen Mfg. Co. (Enameled) ..... B  
**N. J.—Newark**  
 Heath & Son, Edmond F. Carriage; Enameled; Waterproof) ..... X  
**N. J.—Trenton**  
 Empire Rubber Mfg. Co. (Carriage; Enameled) .. AA  
**N. Y.—Amsterdam**  
 Waldron & Cassidy (Knit Jersey) ..... D  
**N. Y.—Brooklyn**  
 Brautigam, Robt. (Filter for Sug. Ref., &c) ... C  
**N. Y.—Honeye Falls**  
 Hunt, A. H. (Carriage) .. D  
**N. Y.—Jamestown**  
 Chautauqua Towel Mills (Face; Wash; Terry) .. C  
 New York City  
 Behr & Co., Herman, 75 Beekman (Emery; Flint) .. AA

**Boyle & Co., John, 112 Duane (Filter).....AA**  
**Columbus Shade Cloth Co., 41 Union Sq. (Shade) ...E**  
**Derby & Co., W. E. (Carriage, Com.) .....A**  
**Dusenberry & Son, C. Coles (Com.; Carriage; Livery) B**  
**Faber, Eberhard, 345 Pearl (Tracing) .....AAA**  
**H. W. Johns & Manville Co., 100 William (Asbestos) AAAA**  
**Howells Bros. (Carriage; Com.) .....B**  
**Rothschild, Co., V. Henry, 43 Leonard (Moleskin) .A**  
**Patterson & Greenough (Com.; Carriage).....B**  
**Sullivan, Vail & Co. (Uniform; Com.) .....AAA**  
**N. Y.—Niagara Falls**  
 Carborundum Co. (Carborundum) .....A  
**N. Y.—Oswego**  
 Minetto Shade Cloth Co. (Shade) .....AAA  
**N. Y.—Skanateles**  
 Glenside Woolen Mills (Carriage) .....A  
**N. Y.—Waterloo**  
 Waterloo Woolen Mfg. Co. (Carriage) .....A  
**OHIO—Dayton**  
 Barney & Smith Car Co. (Emery) .....AAA  
**PA.—Clifton Heights**  
 Kent Mfg. Co., Thomas (Uniform) .....AA  
**PA.—Lancaster**  
 Farnum & Co., John (Awning) .....AAA  
**PA.—New Castle**  
 Elliott-Blake Steel Co. (Enameled) .....A  
**PA.—Philadelphia**  
 Baeder, Adamson & Co., 730 Market (Emery; Flint) .....AAA  
**Barton & Son Co., H. H. (Emery; Flint).....A**  
**Boylston Turkish Towel Co. (Terry) .....C**  
**Cox & Bro., Geo. S. (Hair) B**  
**Fritz, S. S. (Umbrella) AA**  
**Green & Co., Henry W., 1715 Market (Shade) .A**  
**Kaestner & Co., 241 So. Jeff. (Flange) .....A**  
**Leicester & Continental Mills Co. (Elderdown) .AA**  
**Schvehm & Sons, J. M.**

**CLOTHS (Con.)**

(Hair) .....AA  
**Star & Crescent Mills Co. (Terry) .....A**  
**Sumner & Co., T. (Damask Table) .....D**  
**R. I.—Coventry**  
 Interlaken Mills (Bookbinders') .....AAA  
**R. I.—Lonsdale**  
 Lonsdale Co. (Holland Curtain) .....AAA  
**R. I.—Pawtucket**  
 American Cloth Co. (Hair; Fibre) .....AA  
**French Hair Cloth Co. (Hair) .....D**  
**R. I.—Warwick**  
 Centreville Cotton Mill (Window Shade) ....AA  
**R. I.—Woonsocket**  
 Hamlet Textile Co. (Bookbinders') .....AA  
**S. C.—Seneca**  
 Seneca Cotton Mills (Cotton Print) .....AA  
**UTAH—Manti**  
 Hoggan, James E. (Damask Table) .....C  
**VA.—Buena Vista**  
 Buena Vista Mills (Woolen Carriage) .....B

**CLUBS**

See also Sticks

**CONN.—Bridgeport**  
 Bridgeport Gun Implement Co. (Golf) .....AA  
 Ives Mfg. Corp'n (Indian) C  
**CONN.—New Haven**  
 Dann Bros. & Co. (Golf) .B  
**MICH.—Grand Rapids**  
 Rademaker & Sons, H. (Indian) .....E  
**N. J.—Newark**  
 Sommer's Sons, John (Indian) .....A  
**New York City**  
 Estes & Sons, E. B., 45 John (Indian) .....AA  
**Spalding & Bros. (Inc.), A., 128 Nassau (Indian) AAAA**  
**Tower & Lyon Co., 95 Chambers (Police).....B**  
**OHIO—Piqua**  
 Piqua Handle & Mfg. Co. (Indian) .....A  
**R. I.—Providence**  
 Narragansett Machine Co. (Indian) .....A  
**WIS.—Milwaukee**  
 Meinecke & Son, A. (Indian) .....AA

**CLUSTERS**

**CONN.—Bridgeport**  
 Bryant Electric Co. (Fixture) .....A  
 Hubbell, Harvey (Fixture) C  
**CONN.—Seymour**  
 Matthews Mfg. Co. (Seat Post) .....B  
**ILL.—Chicago**  
 Benjamin Electric Mfg. Co., 1992 W. Van Buren (Fixture) .....D  
**ILL.—Decatur**  
 Farles Mfg. Co. (Fixture) .A  
**MASS.—Boston**  
 Wheeler Reflector Co., 156 Pearl (Fixture) .....C  
**N. Y.—Brooklyn**  
 White Mfg. Co., J. H., 127 N. 10th (Fixture) .....B  
**New York City**  
 Dale Co., 22 Thames (Fixture) .....B  
**Frink, I. P., 551 Pearl (Fixture) .....AA**  
**Holloway, Bentz & Co., 80 Cortlandt (Fixture) ...E**  
**Walsh, Owen, 117 Walker (Fixture) .....D**  
**OHIO—Cincinnati**  
 Post-Glover Electric Co., 311 Perry (Fixture) ...A

**CLUSTERS (Con.)**

**OHIO—Dayton**  
Dayton Mfg. Co. (Fixture) A  
**PA.—Philadelphia**  
Roberts Electrical Supply  
Co., H. C., 831 Arch (Fix-  
ture) .....A

**CLUTCHES**

**CONN.—Hartford**  
Hartford Machine Screw  
Co. (Friction) .....AAAA  
Helix Gear Co. (Friction;  
Gas Engine) .....X  
Johnson Carlyle Machine Co.  
(Friction) .....X  
Pratt & Whitney Co. (Fric-  
tion) .....AAAA

**CONN.—New Haven**  
Eastern Machinery Co.  
(Friction; Jaw) .....B  
New Haven Mfg. Co. (Fric-  
tion) .....AA

**ILL.—Chicago**  
Allis-Chalmers Co., Home  
Ins. Bldg. (Friction) A  
AAAA

Caldwell & Son Co., H. W.,  
17th & Western Av. (Fric-  
tion) .....AA  
Fairbanks, Morse & Co.  
(Friction) .....AAAA

Link-Belt Machy. Co., W.  
39th & Stewart Av. (Fric-  
tion; Spring; Jaw)....A  
Skillen & Richards Mfg. Co.,  
147 Fulton (Friction)..C

Turner Brass Wks. (Arc  
Lamp) .....A  
Webster Mfg. Co., 1076 W.  
15th (Friction) .....AA

Weller Mfg. Co., 118 E.  
North Av. (Friction)...A  
**IND.—Mishawaka**

Dodge Mfg. Co. (Friction;  
Flange; Jaw; Wood Split  
Pulley) .....AAA

**MD.—Baltimore**  
Poole Eng. & Machine Co.  
(Friction; Jaw) .....AA

**MASS.—Boston**  
American Tool & Machine  
Co., 109 Beach (Friction)  
AA

Boston Gear Wks. (Friction)  
B  
Faneuil Watch Tool Co.,  
1 Brooks (Friction)....B

**MASS.—Fitchburg**  
Fitchburg Steam Engine Co.  
(Friction) .....X

**MASS.—Lawrence**  
Emerson Mfg. Co. (Friction)  
C

**MASS.—North Adams**  
Hunter Machine Co., Jas.  
(Friction) .....A

**MASS.—Springfield**  
Springfield Fdy. Co. (Fric-  
tion) .....A

**MASS.—Worcester**  
McMahon & Co. (Friction)  
E

**MINN.—Minneapolis**  
Minneapolis Steel & Machy.  
Co. (Friction) .....AAA

**MO.—St. Louis**  
Easmueller Mill Furnishing  
Co. (Friction) .....C

Medart Patent Pulley Co.,  
3500 De Kalb (Friction)  
AAA

**N. H.—Lakeport**  
Cole Mfg. Co. (Friction).A  
**N. J.—Garwood**

Whitman Mfg. Co. (Fric-  
tion; Gas Engine) .....F  
**N. J.—Newark**

Blevney, Jno. C. (Friction)  
X  
**N. J.—Raritan**

Kenyon & Son, D. R. (Fric-  
tion) .....B  
**N. Y.—Brooklyn**

Bliss Co., E. W. (Friction)  
AAAA  
**N. Y.—Hudson**

Gifford Bros. (Friction).A  
**N. Y.—Jamestown**  
Smith Cotton Mill, T. H.  
(Friction; Gas Engine).C

**CLUTCHES (Con.)**

**New York City**  
Brown Co., A. & F., 26  
Courtlandt (Friction)...B  
Fairbanks Co., 416 Broome  
(Wood Split Pulley) A  
AAAA

**N. Y.—Sandy Hill**  
Sandy Hill Iron & Brass  
Wks. (Friction) .....A  
**OHIO—Akron**

Webster Camp & Lane  
Mach. Co. (Friction) A  
AAAA

**OHIO—Bycyrus**  
American Clay Working  
Machy. Co. (Friction).X  
**OHIO—Canton**

Aultman Co. (Friction) A  
AAAA

**OHIO—Cincinnati**  
Oesterlein Machine Co.,  
Elam & Garrard Av.  
(Friction) .....B

**OHIO—Cleveland**  
Brightman Machine Co.  
(Friction) .....D  
Brown Hoisting Machy. Co.  
(Friction) .....AAAA

Electric Controller & Supply  
Co., Central & Giddings  
(Magnetic; Electric)...A  
Hill Clutch Co., ft. Waverly  
Av. (Friction) .....B

Wellman - Seaver - Morgan  
Co. (Friction) .....AAAA  
**OHIO—Columbus**

Case Mfg. Co. (Friction;  
Jaw; Wood Split Pulley)  
H  
Jeffrey Mfg. Co., (Jaw) A  
AAAA

**OHIO—Cuyahoga Falls**  
Falls Rivet & Machine Co.  
(Friction) .....A

**PA.—Erie**  
Taper Sleeve Pulley Wks.  
(Friction) .....C  
**PA.—Grove City**

Carruthers-Fithian Clutch  
Co. (Friction; Gas En-  
gine) .....B  
**PA.—Philadelphia**

Cresson Co., Geo. V., 18th &  
Allegheny Av. (Friction)  
AA  
Klein, Chas. C., 2850 Mar-  
shall (Friction) .....D

Link-Belt Engineering Co.,  
Nictown (Friction)...AA  
Moore & White Co., 15th &  
Lehigh Av. (Friction).AA

Paiste Co., H. T., 3101  
Ludlow (Arc Lamp)...B  
Philadelphia Electrical &  
Mfg. Co., 2011 Market  
(Arc Lamp) .....E

Sellers Co., Wm., 1600 Ham-  
ilton (Friction).....AAAA  
Smith Woolen Machy. Co.,  
Jas., 421 Race (Friction)  
AA

Wolf Co. (Friction) ....AA  
**PA.—Pittsburg**  
Jones & Laughlins Steel Co.  
(Friction) .....AAAA

**PA.—Warren**  
Jacobson Machine Co.  
(Friction; Gas Engine).C  
**PA.—Wilkesbarre**

Vulcan Iron Wks. (Fric-  
tion; Umbrella Friction)  
AAAA  
**PA.—York**

Smith Co., S. Morgan (Fric-  
tion) .....AAA  
**R. I.—Providence**

Brown & Sharpe Mfg. Co.  
(Friction) .....AAAA  
**R. I.—Woonsocket**

Woonsocket Machine & Press  
Co. (Friction) .....AA  
**WIS.—Milwaukee**

Nordberg Mfg. Co. (Fric-  
tion) .....AAA

**COACHES**  
See Carriage & Wagon

**COAL**  
See also Coke

**COAL (Con.)**

**ALA.—Birmingham**  
Sloss-Sheffield Steel & Iron Co. (Anthracite; Bituminous) .....AAAA  
**ALA.—Mobile**  
Mobile Coal Co. (Bituminous) .....A  
**New York City**  
Berwind-White Coal Mining Co. (Anthracite; Bituminous) .....AAAA  
**N. Y.—Rochester**  
Rochester & Pittsburg Coal & Iron Co. (Anthracite; Bituminous) .....AAAA  
**PA.—Philadelphia**  
Castner, Curran & Bullitt (Anthracite) .....AAAA  
Philadelphia & Reading Coal & Iron Co. (Anthracite) .....B  
Rockhill Iron & Coal Co. (Bituminous) .....B  
Virginia Coal & Iron Co. (Bituminous) .....A  
Westmoreland Coal Co. (Bituminous) .....AAAA  
Ziegler Bros., 119 N. 5th (Bituminous) .....AA

**COASTERS**

**IND.—Elkhart**  
Buescher Mfg. Co. (Bicycle) .....E  
**N. Y.—Buffalo**  
Forsyth Mfg. Co. (Bicycle) .....C

**COATERS**

**MICH.—Detroit**  
Cotton, Arthur (Pill) ....C

**COATINGS**

**ILL.—Chicago**  
Chicago Fire Proof Covering Co. (Anti-Flame; Tin Roof; Roof) .....E  
**MO.—St. Louis**  
Leschen & Sons Rope Co. (Wire Rope) .....AAA  
**N. J.—Jersey City**  
Stowell Mfg. Co. (Liquid Asphalt) .....B  
**New York City**  
Preservalline Mfg. Co. (Preservative) .....AA  
Smith & Co., Edward (Preservative) .....A  
Standard Paint Co. (Preservative) .....A  
**OHIO—Cincinnati**  
Moore Oil Co., Chas. H. (Cable) .....B  
**OHIO—Columbus**  
Ironsidcs Co. (Wire Rope) .....O  
**PA.—Erie**  
Watson Co., H. F. (Asbestos; Roof) .....AAA  
**PA.—Freedom**  
Freedom Oil Wks. (Cable) .....A  
**PA.—Philadelphia**  
Bean & Co., Lewis U. (Preservative) .....D  
Rhoads & Son, J. E. (Preservative) .....A  
**S. C.—Summerville**  
Summerville Fernollne Wks. (Preservative)....F

**COATS**

See also Men's Clothing

**New York City**  
Reichman, Wm. (Stockinet) .....B  
**OHIO—Cincinnati**  
Pettibone Bros. Mfg. Co. (Armor) .....A

**COCAINE**

**MICH.—Detroit**  
Parke, Davis & Co. ....AAAA  
**MO.—St. Louis**  
Mallinckrodt Chemical Wks. ....AAAA

**COCAINE (Con.)**

**New York City**  
Bischoff & Co., C. ....B  
Boehringer & Soehne, C. F. ....A  
Merck & Co. ....AAA  
New York Quinine & Chemical Wks. (Ltd.) .....A  
Phair, R. W. ....F  
Roessler & Hasslacher Chemical Co. ....AA  
Schleffelin & Co., W. H. ....AA

**PA.—Philadelphia**  
Powers - Weightman - Rosengarten Co. ....AAAA

**COCKEYES**

**CONN.—New Britain**  
North & Judd Mfg. Co. (Screw; Triangular) ...AA

**COCKS & BIBBS**

**CAL.—San Francisco**  
Roylance Brass Wks. Fdry., 114 Main (Compression; Fuller Work) .....B  
**CONN.—Bridgeport**  
Belknap Mfg. Co. (Gauge; Steam; Stop; Waste Cocks) .....C  
**CONN.—Hartford**  
Birkey, Cornelius J. (Ball Cocks) .....X  
Jones Co., Owen H. (Ball Cocks) .....G  
Noppel Pump Co. (Ball Cocks) .....D  
Pratt & Cady Co. (Gauge; Stop; Waste Cocks) .AAA  
**CONN.—New Britain**  
Landers, Frary & Clark (Ale; Beer; Compression; Corporation; Fuller Work; Ground Key; Stop; Waste Cocks; Compression; Fuller Work; Ground Key Bibbs) .....AAA  
**CONN.—New Haven**  
Peck Bros. & Co. (Ale; Beer; Ball Compression; Corporation; Gas Service; Fuller Work; Ground Key; Self-Closing; Waste Stop Cocks; Compression; Fuller Work; Ground Key; Waste; Stop Bibbs) ...AA  
**DEL.—Wilmington**  
Speakman Supply & Pipe Co. (Compression) .....B  
**ILL.—Chicago**  
Chicago Faucet Co., 224 Washington (Fuller Work; Self Closing) .....F  
Chicago Pneumatic Tool Co., Fisher Bldg. (Blow-Off Cocks) .....AAAA  
Clow & Sons, J. B., 344 Franklin (Compression; Fuller Work; Self Closing) .....AAA  
Crane Co., 10 N. Jefferson (Ball; Compression; Gas Service; Ground Key; Gauge; Steam; Stop; Waste Cocks; Compression; Ground Key Bibbs) ..AAAA  
Federal Co., 231 Washington (Ground Key) .....A  
Illinois Malleable Iron Co., 30 W. Monroe (Ball; Fuller Work Cocks; Fuller Work Bibbs) .....AAAA  
Jerome & Elliott, 35 S. Canal (Blow-Off Cocks) ..B  
Ryan & Co., J. J., 68 W. Monroe (Compression; Fuller Work, Self Closing; also Ball; Stop; Waste Cocks) .....C  
Scott Valve Co., 32 W. Randolph (Gauge Cocks) ..D  
Street & Kent Mfg. Co., 109 Jefferson (Compression; Fuller Work; Gas Service; Ground Key; Self Closing; also Ball; Corporation; Stop; Waste Cocks) .....R  
Weir & Craig Mfg. Co., 2423

**COCKS & BIBBS (Con.)**

Wallace (Compression;  
Fuller Work; Ground Key;  
also Corporation; Gas  
Service; Stop; Waste  
Cocks) .....D  
Western Valve Co., 48 Ran-  
dolph (Gauge Cocks) ...B  
Wolff Mfg. Co., 117 W.  
Lake (Compression; Fuller  
Work; Ground Key; Self  
Closing; also Ale; Beer;  
Bell; Corporation; Stop;  
Waste Cocks) ....AAAA

**ILL.—Decatur**

Muller Mfg. Co., H. (Com-  
pression; Fuller Work;  
Ground Key; Self Closing;  
also Ball; Corporation;  
Gas Service; Stop; Waste  
Cocks) .....AAA

**ILL.—Edwardsville**

Edwardsville Brass Co.  
(Compression; Ground  
also Ball; Gas Service;  
Stop; Waste Cocks) ....B

**ILL.—Kewanee**

Western Table Co. (Corpora-  
tion; Meter; Steam; Stop;  
Waste Cocks) .....AAA

**ILL.—Oak Park**

Goelitz, H. C. (Ball  
Cocks) .....B

**ILL.—Peoria**

Kinsey & Mahler Co.  
(Ground Key; also Cor-  
poration; Gas Service;  
Stop; Waste Cocks) ....A

**ILL.—Waukegon**

Thomas Brass & Iron Co.  
(Compression; Fuller  
Work; Ground Key; Self  
Closing; also Ball; Cor-  
poration; Gas Service;  
Gauge; Waste Cocks) ...A

**IND.—Evansville**

Healey, Peter (Compression;  
Ground Key; also Gas  
Service; Soft; Waste  
Cocks) .....C

**IND.—Fort Wayne**

Knott-Van Arman Mfg. Co.  
(Ball Cocks) .....B

**IND.—Indianapolis**

Pioneer Brass Wks. (Ground  
Key; also Ale; Beer; Cor-  
poration; Gas Service;  
Stop; Waste Cocks) ....C

**IOWA—Cedar Rapids**

Dearborn Brass Co. (Fuller  
Work; Self Closing; also  
Ball Cocks) .....C

**IOWA—Dubuque**

McDonald, A. T. & Morri-  
son Mfg. Co. (Compression;  
Fuller Work;  
Ground Key; Hose; Ball;  
Corporation; Gas Service;  
Stop; Waste Cocks) ...AA

**KANS.—Wichita**

Walterscheid Bros. (Corpo-  
ration Cocks) .....B

**KY.—Louisville**

Ahrens & Ott Mfg. Co. (Cor-  
poration; Fuller Work;  
Self Closing; also Ball;  
Corporation; Gas Service;  
Ground Key; Stop; Waste  
Cocks) .....AAAA

Caldwell Co., W. E. (Stop;  
Waste Cocks) .....AA

**MD.—Baltimore**

Register's Sons Co., J.  
(Compression; also Ball;  
Corporation; Gas Service;  
Stop; Waste Cocks) ....A

Weiskittel & Son, A., Alice-  
anna and Washington  
(Compression; Fuller  
Work) .....A

**MASS.—Boston**

American Steam Gauge &  
Valve Mfg. Co., 195 High  
(Gauge Cocks) .....A

Ashton Valve Co., 271  
Franklin (Gauge Cocks) A

Barrett Mfg. Co., 48 Pearl  
(Ball Cocks; Compression  
Bibbs) .....C

Boston Brass Co., 36 Oliver  
(High Pressure Ball  
Cocks) .....C

Boston Steam Specialty Co.,

**COCKS & BIBBS (Con.)**

85 Hartford (Gas Service;  
Stop; Waste Cocks) ....D  
Crosby Steam Gauge &  
Valve Co., 95 Oliver  
(Gauge Cocks) .....AA  
Dalton & Ingersoll Co., 175  
High (Compression; Full-  
er Work; Ground Key;  
Self Closing; also Ball  
Cocks) .....X  
D'Este & Co., Julian, 24 Can-  
al (Compression; also  
Ball; Stop; Waste Cocks)  
B

Foster Mfg. Co., F. W., 6  
Portland (Ball Cocks) ...X

Grundy Brass Works, 50  
Sudbury (Compression;  
Fuller Work; also Ball;  
Stop; Waste Cocks) ...F

Hamlin & Emery Brass Co.,  
26 Island (Compression;  
Ground Key; also Ball;  
Corporation; Gas Meter;  
Gas Service; Steam; Stop;  
Waste Cocks) .....D

Libbey Co., H. N., 148  
Pearl (Ball Cocks) ....X

McKenney & Waterbury, 18  
Franklin (Corporation  
Cocks) .....D

Smith & Anthony Co., 52  
Union (Self Closing) .AA

Star Brass Mfg. Co., 103 E.  
Dedham (Three Way In-  
dicator Cocks) .....A

Starter & Sons, Herman, 74  
Sudbury (Ale; Beer Cocks)  
A

Sumner & Goodwin Co., 287  
Congress .....B

Walworth Mfg. Co., 182  
Federal (Compression;  
Ground Key; also Corpora-  
tion; Gas Service; Stop;  
Waste Cocks) .....AAAA

Webb Mfg. Co., F. W., 50  
Elm (Waste Cocks) ....A

Young, Jas. H., 224 Frank-  
lin (Ball Cocks) .....E

**MASS.—Haydenville**

Haydenville Co. (Compression;  
Fuller Work;  
Ground Key; Self Closing;  
also Ale; Beer; Ball; Cor-  
poration; Gas Service;  
Stop; Waste Cocks) ...A

**MASS.—Springfield**

Stebbins Mfg. Co., E. (Com-  
pression; Fuller Work;  
Ground Key; Self Closing;  
also Ball; Corporation;  
Gas Service; Stop; Waste  
Cocks) .....A

**MICH.—Detroit**

Detroit Brass Wks., Brook-  
lyn Av. & M. E. R.  
(Ground Key; also Corpora-  
tion; Stop; Waste  
Cocks) .....B

Globe Brass Works, 15  
Macomb (Ground Key;  
also Ball; Corporation;  
Stop; Waste Cocks) ....E

Ideal Mfg. Co., 546 Franklin  
(Ball Cocks) .....A

McRae & Roberts Co., 227  
Campbell Av. (Compression;  
also Corporation;  
Gas Meter; Gauge; Stop;  
Waste Cocks) .....A

Michigan Lubricator Co.,  
Co., 661 Beaubien (Self  
Closing) .....B

Park & McKay Co., 55 Bag-  
ley Av. (Ball; Stop;  
Waste Cocks) .....D

Penberthy Injector Co., 218  
Abbott (Gauge Cocks) ...A

Scully Mfg. Co., W. J.,  
Beecher Av. & M. C. R.  
R. (Compression; Fuller  
Work; Ground Key; Self  
Closing Bibbs) .....B

Standard Brass Wks., 528  
Woodbridge (Corporation  
Cocks) .....F

**MICH.—Grand Rapids**

Wolverine Brass Wks. (Ball;  
Stop; Waste Cocks) ....A

**MICH.—Muskegon**

Heap, Wm. (Ball Cocks) ..D



**COCKS & BIBBS (Con.)****MINN.—Minneapolis**

National Brass & Metal Co.,  
258 3rd Av. (Compression;  
Fuller Work; Ground  
Key; also Ball; Corpora-  
tion; Gas Service; Stop;  
Waste Cocks) .....B  
Plumbing & Steam Fitting  
Supply Co., 212 N. 1st  
(Ball Cocks) .....A

**MO.—Kansas City**

Crampton-Farley Brass Co.  
(Compression; Fuller  
Work; Self Closing; also  
Stop; Waste Cocks) ....E

**MO.—St. Louis**

Cahill Swift Mfg. Co. (Ball  
Cocks) .....B  
Knipferle, Jno. C., 2nd &  
Mound (Stop; Waste  
Cocks) .....AA

Nelson Mfg. Co., N. O., 8th  
& St. Charles (Compres-  
sion; Fuller Work; also  
Ball; Gas Service Cocks)  
AAA

Pleuger & Henger Mfg. Co.  
(Compression) .....A

Rumsey Mfg. Co., L. M.,  
804 N. 2nd (Ball; Gas  
Service; Waste; Stop  
Cocks) .....AAA

**N. H.—Exeter**

Exeter Brass Works (Com-  
pression; Fuller Work;  
Ground Key; Self Closing;  
also Ball; Gas Service;  
Stop; Waste Cocks) ....C

**N. J.—Belleville**

Eastwood Wire Mfg. Co.  
(Corporation; Stop; Waste  
Cocks) .....A

**N. J.—Newark**

Chambers & Ainslee, 2 Com-  
merce (Compression; Ful-  
ler Work; Ground Key;  
Self Closing; also Ale;  
Beer; Corporation; Gas  
Service; Stop; Waste  
Cocks) .....C

Jost's Sons, Edmund, 352  
Plane (Ground Key; also  
Stop; Waste Cocks) ....C

Smith Mfg. Co., A. P., Pas-  
saic Av. & Brill (Gas  
Service Cocks) .....B

**N. J.—Paterson**

Asbell Co., S. J. (Ale; Beer  
Cocks) .....E

**N. J.—Trenton**

Trenton Brass & Machine  
Co. (Compression; Ground  
Key; also Ball; Stop;  
Waste Cocks) .....A

**N. Y.—Albany**

Albany Brass & Iron Co.  
(Ball Cocks) .....D

Cox Brass Mfg. Co. (Com-  
pression; also Gas Service  
Cocks) .....C

**N. Y.—Brooklyn**

Clarke, Robt., 93 Schermer-  
horn (Gas Service Cocks)  
F

Coyne & Delaney, 303 Rod-  
ney (Ball Cocks) .....C

Schaffer & Budenberg Mfg.  
Co., 10 Division (Gauge  
Cocks) .....D

**N. Y.—Buffalo**

Sherwood Mfg. Co., 34  
Washington (Gauge  
Cocks) .....B

Zero Valve & Brass Mfg. Co.  
F

**N. Y.—Elmira**

Swift Lubricator Co. (Gauge  
Cocks) .....B

**New York City**

American Meter Co., 561 W.  
47th (Gas Meter Cocks).B

Ashcroft Mfg. Co., 85 Lib-  
erty (Gauge Cocks) ....A

Bishop's Sons, Wm. (Ship  
Cocks) .....D

Dubois & Co., Fdk., 247 9th  
Av. (Compression; Self  
Closing) .....AAA

Eaton, Cole & Burnham  
Co., 253 B'way (Compres-  
sion; Ground Key; also  
Hose; Gas Service; Gauge;

**COCKS & BIBBS (Con.)****Stop; Waste Cocks) ....**

AAAA

Gleason Mfg. Co., E. P., 20  
W. Houston (Ale; Beer;  
Corporation Cocks) .....B

Huber Co., Henry, 244 5th  
Av. (Compression; Fuller  
Work; Self Closing) ....B

Jenkins Bros., 71 John  
(Gauge Cocks) .....A

McNab & Harbin Mfg. Co.,  
56 John (Compression;  
Ground Key; also Ale;  
Beer; Corporation; Gas  
Service; Gauge; Steam;  
Stop; Waste Cocks) .AAA

Mayer, Lane & Co., 128  
White (Compression; also  
Comporation; Gas Service;  
Stop; Waste Cocks).....A

Meyer-Sniffen Co., 5 E. 19th  
(Compression Fuller  
Work; Ground Key; Self  
Closing; also Ball; Cor-  
poration; Gas Service;  
Stop; Waste Cocks) ...A

Morrison Co., David, 55 W.  
16th (Compression) ....E

Mott Iron Wks., J. L., 88  
Beekman (Compression;  
Fuller Work; Ground  
Key; Self Closing; also  
Ball; Stop; Waste Cocks)  
AA

Mullany's Sons, James, 141  
E. 25th (Compression;  
Ground Key; Self Closing;  
also Ale; Beer; Corpora-  
tion; Stop; Waste Cocks)  
D

Standard Steam Specialty  
Co., 111 5th Av. (Blow-  
Off Cocks) .....D

United Metal Mfg. Co., 186  
Wooster (Ground Key).D

Victor Exchange Brass  
Wks., 42 Mott (Gas  
Service Cocks) .....A

N. Y.—Rochester

Clark Novelty Co. (Ale;  
Beer Cocks) .....D

Nunn Brass Wks. (Stop;  
Waste Cocks) .....F

N. Y.—Rome

Rome Sanitary Wks. (Wil-  
son Mfg. Co., R. M.)  
(Compression) .....B

N. Y.—Syracuse

Syracuse Faucet & Valve  
Co. (Ball; Stop; Waste  
Cocks) .....X

**OHIO—Cincinnati**

American Brass Wks., 426  
Plum (Compression; Ful-  
ler Work; Ground Key;  
Self Closing; also Ball;  
Corporation; Stop; Waste  
Cocks) .....D

Central Brass Wks., 322 W.  
Pearl (Compression;  
Ground Key; also Corpora-  
tion; Steam; Stop;  
Waste Cocks) .....D

Douglass, Co., John, 908  
Poplar (Ball Cocks) ....A

Lunkenheimer Co., Beekman  
& Waverly (Ale; Beer;  
Corporation; Gauge; Stop;  
Waste Cocks) .....AA

Nichol & Co., Theo. J., Pearl  
& Ludlow (Compression;  
Ground Key; also Corpora-  
tion; Stop; Waste  
Cocks) .....D

Powell Co., Wm., 2525  
Spring Grove Av. (Ground  
Key; also Ball; Corpora-  
tion; Gas Service; Steam;  
Stop; Waste Cocks) ....A

Queen City Brass Wks.,  
Spring Grove & Garrard  
Aves. (Compression;  
Ground Key; also Ale;  
Ball; Corporation; Gas  
Service; Indicator; Stop;  
Waste Cocks) .....C

Varwig Mfg. Co., 715 W.  
Court (Ale; Beer Cocks).A

**OHIO—Cleveland**

Bishop & Babcock Co., cor.  
Hamilton & Kirtland  
(Ship Cocks) .....AAA

**COCKS & BIBBS (Con.)**

Brookside Brass Fdry. & Mfg. Co. (Compression; Self Closing) .....E  
 Cleveland Bronze & Brass Wks. (Compression; Ground Key; Fuller Work; also Stop; Water Cocks) .....C  
 Cleveland Faucet Co., 21 Frankfort (Ale; Beer Cocks) .....AAA  
 Empire Brass Mfg. Co., 125 Viaduct (Compression; Fuller Work; Self Closing) .....E  
 Farman Brass Works, 23 Centre (Compression; Ground Key; also Corporation; Gas Service; Stop; Waste Cocks) .....A  
 Fisher Co., E. W. (Ground Key) .....C  
 Forest City Brass Works, 440 Huron (Compression; Fuller Work; Ground Key; also Corporation; Gas Service; Stop; Waste Cocks) .....B  
 Glauber Brass Mfg. Co. (Compression; Fuller Work; Ground Key; Self Closing; also Corporation; Gas Service; Stop; Waste Cocks) .....A  
 Ohio Brass & Mfg. Co., 1201 Franklin Av. (Ground Key) .....E  
 Reliance Gauge Column Co., 76 E. Prospect (Lever Chain Gauge Cocks) ....D  
 Russ Mfg. Co., A. E., 87 Wade Park Av. (Ground Key) .....B  
 Sanitary Co., 1 Water (Compression; Self Crossing) .B  
 Superior Foundry Co., Echo & Union (Self Closing) .C  
 United Brass Mfg. Co., 958 Hamilton (Compression; Fuller Work; Ground Key; also Corporation; Stop; Waste Cocks) .....E  
**OHIO—Columbus**  
 Columbus Brass Co., 94 N. 6th (Compression; Fuller Work; Ground Key; also Brass Ball; Corporation; Gas Service; Stop; Waste Cocks) .....B  
 Ohio Pump & Brass Co. (Ground Key; also Ball; Corporation; Gas Service; Stop; Waste Cocks) ....C  
**OHIO—Dayton**  
 Buckeye Iron & Brass Wks. (Ground Key; also Corporation; Gauge; Stop; Waste Cocks) .....AA  
**OHIO—Mansfield**  
 Humphrey Mfg. Co. (Fuller Work; Ground Key; also Corporation; Stop; Waste Cocks) .....B  
 Ohio Brass Co. (Gauge Cocks) .....AA  
**OHIO—Springfield**  
 Nolte Brass Co. (Compression; also Corporation Cocks) .....D  
 Springfield Brass Co. (Hose) .....D  
 Victor Supply Co. (Corporation Cocks) .....B  
**OHIO—Toledo**  
 National Supply Co. (Compression; also Ball; Gas Service Cocks) .....AAAA  
**PA.—Erie**  
 Campbell Brass Works, J. B. (Compression; Ground Key; also Corporation; Gas Service; Stop; Waste Cocks) .....A  
 Erie Mfg. & Supply Co. (Gauge Cocks) .....B  
 Hays Mfg. Co. (Compression; Ground Key; also Gas Service; Stop; Waste Cocks) .....A  
 Jarecke Mfg. Co. (Corporation; Gas Service; Gauge; Stop; Waste Cocks)AAAA

**COCKS & BIBBS (Con.)**

**PA.—Philadelphia**  
 Belfield & Co., H., 435 N. Broad (Compression; also Corporation; Gauge; Stop; Waste Cocks) .....AA  
 Cooper Brass Wks., W. S., 437 N. 3rd (Compression; Self Closing; also Ball; Stop; Waste Cocks) ...B  
 Excelsior Brass Wks., 1518 Florist (Plumbers' Brass; Ground Key) .....E  
 Eynon-Evans Mfg. Co., 1519 Clearfield (Blot-Off Cocks) .....A  
 Haines, Jones & Cadbury Co., 1136 Ridge Av. (Compression; Fuller Work; Ground Key; Self Closing; also Ball; Corporation; Gas Service; Stop; Waste Cocks) .....AA  
 Hartman Co., 1231 N. Front (Corporation Cocks) ....B  
 Homer Brass Works, 231 Race (Compression; Ground Key; also Ale; Beer; Ball; Corporation; Gas Service; Stop; Waste Cocks) .....C  
 Huyette, Paul R., Bets Bldg. (Gauge Cocks) ...E  
 McCambridge & Co., 537 Cherry (Compression; Ground Key; Self Closing; also Ale; Beer; Corporation; Gas Service; Stop; Waste Cocks) .....B  
 Perkes, Chas., 627 Arch (Compression; Self Closing; also Gas Service; Stop; Waste Cocks) ....B  
 Savill, Thos., 11th & Wood (Compression; Ground Key; Self Closing; also Ball; Stop; Waste Cocks) .....C  
 Webb & Son, Elisha, 142 S. Del. Av. (Gauge Cocks) .....D  
**PA.—Pittsburg**  
 Bailey-Farrell Mfg. Co., 619 Smithfield (Compression; Fuller Work; also Ale; Beer; Ball; Gas Service; Stop; Waste Cocks) ...AA  
 Bonar & Co., Jas., Carnegie Bldg. (Gauge Cocks) ...B  
 Cadman Mfg. Co., A. W., Smallman (Gauge Cocks) .....C  
 Chaplin-Fulton Mfg. Co., 30 Penn Av. (Blow-Off) .A  
 Kelly & Jones Mfg. Co., 315 1st Av. (Compression; Ground Key; also Corporation; Gauge; Stop; Waste Cocks) .....AA  
 Oil Well Supply Co., 219 Water (Corporation Cocks) .....AAAA  
 Standard Sanitary Mfg. Co., Arrott Bldg. (Fuller Work; Ground Key; Self Closing; also Gas Service; Corporation; Stop; Waste Cocks) .....AAAA  
**PA.—Scranton**  
 American Safety Lamp & Mine Supply Co. (Gas Service Cocks) .....F  
 Everhart Brass Wks. (Corporation; Gas Service Cocks) .....A  
**PA.—Williamsport**  
 Darling Pump & Mfg. Co. (Corporation Cocks) ...B  
**R. I.—Providence**  
 Dart Mfg. Co., E. M., 136 Clifford (Ground Key; also Corporation; Gas Service; Stop; Waste Cocks) .....D  
 Field Automatic Valve & Faucet Co., 168 Dorrance (Self Closing) .....B  
**TEXAS—San Antonio**  
 Collins Mfg. Co., F. F. (Corporation) .....B  
**W. VA.—Charlestown**  
 Powhatan Brass & Iron Wks. (Compression; Ful-

**COCKS & BIBBS (Con.)**  
 ler Work; Ground Key;  
 Self Closing; also Ale;  
 Beer; Ball; Corporation;  
 Gas Service; Stop; Waste  
 Cocks) .....B

**WIS.—Kenosha**  
 Badger Brass Mfg. Co.  
 Ball) .....C

**WIS.—Milwaukee**  
 Hoffman-Billings Mfg. Co.  
 Compression; Ful-  
 ler Work; Ground Key;  
 Self-Closing; also Ball;  
 Corporation; Gas Service;  
 Stop Cocks; Water Cocks)  
 AA

Hoffman Mfg. Co., B., 257  
 6th (Ball Cocks) .....A

Lamp & Miller Mfg. Co.  
 (Compression; Ful-  
 ler Work; Ground Key;  
 Stop; Waste; also Ale;  
 Bar; Corporation; Self-  
 Closing Cocks) .....B

Loeffelholz & Co., 170 Clin-  
 ton (Self-Closing) .....A

Milwaukee Brass Mfg. Co.,  
 241 Lapham (Compression;  
 Fuller Work; Self-Clos-  
 ing; also Ball Cocks)...C

Milwaukee Valve Co., 881  
 Robinson Av. (Fuller  
 Work; Self-Closing)....D

Rundell-Spence Mfg. Co., 63  
 2d (Compression; Fuller  
 Work; Ground Key; Self-  
 Closing; also Corporation;  
 Gas Service; Stop; Waste  
 Cocks) .....AAAA

Spence Mfg. Co. (Compres-  
 sion; also Corporation;  
 Gas Service; Stop; Waste  
 Cocks) .....D

**COCOA**  
 See Chocolate

**COCOANUTS**  
**ALA.—Birmingham**

Douglas Bros., 2105 Morris  
 Av. ....F

Melton, P. O. ....G

**CAL.—San Francisco**  
 Sresovich & Co., L. G., 521  
 Sansom (Dessicated) ...X

**ILL.—Chicago**  
 Barrett & Co., M. L., 219  
 Lake (Oil) .....A

Pooley, S., 91 Hudson ...G

Publ-Webb Co., 119 W. Ran-  
 dolph (Des.) .....C

**MD.—Baltimore**  
 Nat. Coconut Co., 307 Mc-  
 Elderry's Wharf) .....E

**MO.—St. Louis**  
 Dunham Mfg. Co., 511 N.  
 Main (Des.) .....A

**MO.—Springfield**  
 Missouri Fruit Co. ....F

**N. J.—Jersey City**  
 Graef, E. A. (Des.) .....D

**N. J.—Brooklyn**  
 Floto Coconut Co., 163  
 Union Av. (Des.) .....C

**New York City**  
 Brazeau, F., 244 Wash....F

Dunham Mfg. Co., 377 Pearl  
 (Des.) .....A

Fuerst Bros. & Co., 2 Stone  
 B

Schepp, L., 165 Duane....  
 AAAA

**PA.—Philadelphia**  
 Baker, Franklin Co., 700 N.  
 Del. Av. ....D

Croft & Allen Co., 33rd &  
 Market .....AA

Crowell & Co., C. S., 122  
 N. Del. Av. (Des.) .....A

Keystone Co. Coconut Co.,  
 122 N. Del. Av. (Des.)...D

Wetmore Mfg. Co., 1308 N.  
 Orlanna (Prepared) ....B

**CODEINE**  
**MO.—St. Louis**  
 Mallinckrodt Chemical Wks.  
 AAAA

**CODEINE (Con.)**  
**N. Y.—Brooklyn**  
 Wiarda & Co., John C...AA  
**New York City**  
 Boehringer & Soehne, C. F.  
 A

**PA.—Philadelphia**  
 Powers - Weightman - Ros-  
 engarten Co. ....AAAA

**COD**  
 See Fish

**CODES**  
**MASS.—Boston**  
 Houghton & Co., F. O.  
 (Cable) .....D

**New York City**  
 American Code Co.(All  
 Kinds) .....C

Hartfield Telegraphic Code  
 Pub. Co. (Cable).....X

Lieber Code Co., 2 Stone  
 (Cable) .....D

**COFFEE**  
 See Teas; Coffees & Spices

**COFFINS**  
 See Cases; Burial

**COGGING**  
**IND.—South Bend**  
 Bowsher, N. P. (Wood)...B

**KANS.—Enterprise**  
 Ehrsam Mach. Co., J. B.  
 (Wood) .....B

**KANS.—Leavenworth**  
 Great Western Mfg. Co.  
 (Wood) .....AA

**N. Y.—Buffalo**  
 Noye Mfg. Co., John T.  
 (Wood) .....X

**OHIO.—Salem**  
 Clark Co., W. J. (Wood).A

**COGS**  
**ILL.—Springfield**  
 Aetna Fdry. & Machine Co.  
 (Self Dumping) .....B

**IND.—Indianapolis**  
 Nordyke & Marmon Co.  
 (Gear) .....AAA

**IND.—Richmond**  
 Richmond City Mill Wks.  
 (Mill) .....B

**IND.—South Bend**  
 Bowsher Co. (Mill) .....B

Cover, H. S. (Mill) .....F

**WIS.—Menasha**  
 Menasha Wood Split Pulley  
 Co. (Wooden) .....D

**COILERS**  
**CONN.—Waterbury**  
 Manville Machine Co., E. J.  
 (Wire) .....C

**MASS.—Worcester**  
 Morgan Construction Co.  
 (Wire) .....A

**N. Y.—Lockport**  
 Merritt Mfg. Co. (Hoop).D

**New York City**  
 Garvin Machine Co., cor.  
 Spring & Varick (Wire).  
 AA

**OHIO.—Cuyahoga Falls**  
 Turner, Vaughan & Taylor  
 Co. (Chain Link; Wire).B

**COILS**  
**COL.—Denver**  
 Carstarphan Electric Co.  
 (Induction) .....E

**CONN.—Ansonia**  
 Ansonia Electrical Co. (In-  
 duction; Resistance;  
 Spark) .....A

Cameron Elect. Mfg. Co.,  
 H. P. (Armature) .....E

**CONN.—Elmwood**  
 Whitlock Coil Pipe Co.  
 (Brass; Brome; Bronze;  
 Compound; Copper; Silver;  
 Steel) .....AA

**COILS (Con.)****CONN.—Hartford**

Whitlock Coll Pipe Co.  
(Iron; Brass; Copper  
Pipe) .....A

**CONN.—New Haven**

National Pipe Bending Co.  
(Pipe; Brass; Copper; Ice  
Machine; Iron; Steel; Re-  
frigerator Mach.) .....B

**CONN.—Waterbury**

Electrical Appliance Mfg.  
Co. (Spark) .....G

**DEL.—Wilmington**

Morris Electric Co. (Spark)  
.....X

**GA.—Atlanta**

Wothen Electric & Mfg. Co.  
(Gas Engine; Lighting  
Spark) .....B

**ILL.—Chicago**

American Electric Fuse Co.,  
50 Jackson Boul. (Electric  
Heat) .....A

American Electric Telephone  
Co., Canal & Jackson  
Boul. (Induction) .....B

Harris & Bro., Geo. P.  
(Copper) .....B

Harvard Electric Co., 224  
S. Clinton (Induction) ...D

International Telephone  
Mfg. Co. (Induction, Re-  
sistance; Spark) .....X

McDermid Mfg. Co., 118 W.  
Jackson Boul. (Induction)  
.....C

McIntosh Battery & Optical  
Co., 39 W. Randolph (In-  
duction) .....D

Western Electric Co., 259 S.  
Clinton (Resistance;  
Spark; Induction) .AAAA

Wolf & Co., Fred. W. (Ice;  
Refrigerating Mach.;  
Iron; Brass; Copper Pipe)  
.....AAA

**IND.—Anderson**

Remy Electric Co. (Spark)  
.....D

**IND.—Fort Wayne**

Fort Wayne Electric Cor-  
poration (Induction) ....AAAA

**KANS.—Fort Scott**

Fort Scott Fdry. & Mach.  
Co. (Copper) .....H

**MASS.—Andover**

Tyer Rubber Co. (Ab-  
dominal) .....AA

**MASS.—Boston**

Badger & Sons Co. (Copper  
Steam) .....B

Barney Ventilating Fan  
Wks. (Iron; Brass; Cop-  
per Pipe) .....X

Boston Electric Co., 29  
Harrison (Spark) .....B

Electric Gas Lighting Co.,  
195 Devonshire (Induc-  
tion Spark) .....A

Walworth Mfg. Co. (Pipe)  
.....AAAA

**MASS.—Braintree**

Dow Portable Electric Co.  
(Jump Spark) .....C

**MASS.—Brookline**

Haltzer-Cabot Electric Co.  
(Spark) .....A

**MASS.—Cambridge**

Crest Mfg. Co. (Spark) ...X

**MASS.—Somerville**

American Coil Co. (Jump  
Spark) .....D

**MICH.—Lansing**

Capital Electric Engineer-  
ing Co. (Gas Engine; Ig-  
niting; Spark; Induction)  
.....E

**MICH.—Menominee**

Menominee Elect. Mfg. Co.  
(Induction) .....E

**N. H.—Fenacook**

Whitney Electric Instrument  
Co. (Resistance) .....D

**N. Y.—Brooklyn**

Graham Chemical Pottery  
Wks., 1018 Met. Av.  
(Stoneware) .....D

**N. Y.—Buffalo**

Wilhelm Telephone Mfg.  
Co., 45 N. Division (In-  
duction) .....X

**COILS (Con.)****New York City**

Bunnell & Co., J. H., 20  
Park Pl. (Induction; Re-  
sistance; Spark) .....B

Edison Phonograph Agency  
(Ruhmkorff) .....D

Edwards & Co., 144th & 4th  
Av. (Induction; Resist-  
ance; Spark) .....D

Footo, Pierson & Co., 83  
Fulton (Spark) .....C

International Brass & Elec-  
tric Co., 76 Beekman (In-  
duction; Resistance;  
Spark; Faradic; Ruhm-  
dorff) .....D

MacNab & Hanlin Mfg. Co.,  
56 John (Pipe) .....AAA

Manhattan Electrical Sup-  
ply Co., 32 Cortlandt (In-  
duction) .....F

Mayer, Lane & Co., 123  
White (Brass; Copper;  
Iron Pipe) .....X

Pearce, Frederick, 20 Rose  
(Induction) .....B

Roche, Wm., 42 Vesey  
(Spark) .....D

Splitdorf, C. F., 27 Vande-  
water (Induction; Spark;  
Resistance) .....E

N. Y.—Rochester  
Bradley & Co., E. C. (In-  
duction; Spark) .....H

N. Y.—Schenectady  
General Electric Co. (Re-  
sistance) .....AAAA

N. Y.—Syracuse  
Williams, E. Q. (Induction)  
.....F

**OHIO—Akron**

Akron Rubber Co. (Abdom-  
inal) .....AAAA

**OHIO—Cincinnati**

Electrical Appliance Co.,  
136 Longworth (Spark) .C

Fischer Specialty Mfg. Co.,  
229 W. 6th (Spark) ....H

**OHIO—Cleveland**

Nungesser Electric Battery  
Co., 29 King (Spark) ...B

Van Dorn-Elliott Electric Co.  
(Armature; Field) .....F

**OHIO—Columbus**

Columbus Iron Works Co.  
(Brass; Copper; Iron Pipe)  
.....A

Columbus Storage Battery  
Co. (Gas Engine Spark) .F

**PA.—Allentown**

Allbright's Sons & Co.  
(Pipe) .....AA

**PA.—Harrisburg**

Harrisburg Pipe & Pipe  
Bending Co. (Ltd.) (Pipe;  
Brass; Copper; Ice; Re-  
frigerating Machine; Iron;  
Steel) .....AAA

**PA.—Philadelphia**

Biddle, James G., Stephen  
Girard Bldg. (Induction;  
Resistance) .....C

Patrick, Carter & Wilkins,  
1231 Callowhill (Induc-  
tion; Resistance; Spark)  
.....B

**PA.—Pittsburg**

Best Mfg. Co. (Pipe) ..AA

**E. I.—Philipsdale**

Varley Duplex Magnet Co.  
(Induction; Resistance;  
Spark) .....A

**WIS.—La Crosse**

Vought-Berger Co. (Induc-  
tion) .....C

**WIS.—Milwaukee**

Allis-Chalmers Co. (Ammo-  
nia Expansion) .....AAAA

**Mechanical Appliance Co.**

(Armature) .....C

**COKE****ALA.—Birmingham**

Alabama Consolidated Coal  
& Iron Co. ....AAAA

Ivy Coal & Coke Co. ....B

**COKE (Con.)**

Palos Coal & Coke Co...X  
 Sloss-Sheffield Steel &  
 Iron Co. ....AAAA  
 Tennessee Coal, Iron &  
 R. R. Co. ....AAAA  
**COLO.—Denver**  
 Colorado Fuel & Iron Co...  
 AAAAA  
 Northern Coal & Coke Co..A  
**GA.—Atlanta**  
 Campbell Coal & Coke Co..A  
 Lookout Mountain Coal &  
 Coke Co. ....C  
**ILL.—Chicago**  
 Pickards, Brown & Co.  
 Rookery Bldg. ....AAAA  
 Republic Iron & Steel Co.,  
 108 La Salle .....AAAA  
**KY.—Middlesboro**  
 Bryson Mountain Coal &  
 Coke Co. ....C  
 Fort Ridge Coal & Coke Co. C  
 Mingo. Coal & Coke Co...A  
**MD.—Baltimore**  
 Despard Gas Coal Co. ..X  
**MASS.—Boston**  
 Ginn & Co., 7 Tremont....  
 AAAAA  
**MICH.—Detroit**  
 Graham Coal & Coke Co..X  
 New York City  
 Chapman Iron, Coke & Coal  
 Co., 80 B'way .....B  
 New York & Philadelphia  
 Coal & Coke Co., Produce  
 Exch. ....D  
 Virginia Iron, Coal & Coke  
 Co. ....A  
**N. Y.—Rochester**  
 Rochester & Pittsburg Coal  
 & Iron Co. ....AAAA  
**OHIO.—Cleveland**  
 Drake Coal Co. ....A  
 Stewart Iron Co., Perry  
 Payne Bldg. ....AAA  
**OHIO.—Columbus**  
 Columbus Iron & Steel Co.  
 AAAAA  
 Maynard Bros. ....A  
 New Pittsburg Coal Co....  
 AAAAA  
**OHIO.—Steubenville**  
 La Belle Iron Wks. ....AAAA  
 Steubenville Coal & Mining  
 Co. ....B  
**PA.—Altoona**  
 Altoona Coal & Coke Co...A  
**PA.—Blairsville**  
 Blairsville Coke Co.....D  
**PA.—Carnegie**  
 Verner Coal & Coke Co....A  
**PA.—Connellsville**  
 Indian Ridge Coal & Coke  
 Mfrs. ....B  
 Opekiska Coal & Coke Co..C  
**PA.—Dawson**  
 Washington Coal & Coke  
 Co. ....AAA  
**PA.—Greensburg**  
 Donohue Coke Co. ....B  
 Mount Pleasant Coke Co..A  
**PA.—Hastings**  
 Oak Ridge Coal & Coke Co. A  
**PA.—Latrobe**  
 Latrobe - Connellsville Coal  
 & Coke Co. ....A  
 Taxman Coal & Coke Co..A  
 Superior Coal & Coke Co..A  
**PA.—Loyal Hanna**  
 Loyal Hanna Coal & Coke  
 Co. ....AAA  
**PA.—Philadelphia**  
 Dimmick & Co., J. K.,  
 2023 New Land Title  
 Bldg. ....A  
 Stineman Coal & Coke Co.,  
 421 Chestnut .....B  
**PA.—Pittsburg**  
 Bessemer Coke Co., Lewis  
 Bldg. ....AAAA  
 Blair & Co., Reed F., Frick  
 Bldg. ....C  
 Brown & Cochran, Conestoga  
 Bldg. ....AAAA  
 Carnegie Steel Co., Carnegie  
 Bldg. ....AAAA  
 Cherry Valley Iron Co., Peo-  
 ple's Sav. Bank Bldg...A  
 Frick Coke Co., H. C., Car-  
 negie Bldg. ....AAAA

**COKE (Con.)**

Goff, Horner & Co., Frick  
 Bldg. ....A  
 Hecla Coke Co., Arrott  
 Bldg. ....AA  
 Hillman & Son, J. H., Frick  
 Bldg. ....A  
 Hooker & Co., Howard M.,  
 Farmers' Bank Bldg....C  
 Hostetter-Connellsville Coke  
 Co., Frick Bldg. ....AAAA  
 Mansfield Coal & Coke Co..A  
 Monongahela River Consoli-  
 dated Coal & Coke Co...  
 AAAAA  
 Oliver & Snyder Steel Co.,  
 Carnegie Bldg. ....AAAA  
 Pittsburg & Buffalo Co.,  
 Frick Bldg. ....AAAA  
 Pittsburg Coal Co., 232  
 5th Av. ....AAAA  
 Virginia Coal & Iron Co..A  
**PA.—Scottdale**  
 Keister & Co., A. L. ....AAA  
 Stauffer & Co., J. R....AA  
**PA.—Uniontown**  
 Sackett Coal & Coke Co.,  
 H. R. ....E  
 Taylor & Co., Isaac .....A  
 Uniontown Coke Co. ....E  
**PA.—Upland**  
 Crozer Coal & Coke Co...AA  
 Upland Coal & Coke Co...A  
**PA.—Wampun**  
 Beaver Coal & Coke Co...B  
**TENN.—Bristol**  
 Virginia Iron, Coal & Coke  
 Co. (Foundry; Furnace).A  
**TENN.—Chattanooga**  
 Durham Coal & Coke Co..AA  
**TENN.—Clouse Hill**  
 Sewanee Coal, Coke & Land  
 Co. ....A  
**TENN.—Nashville**  
 Bon Air Coal & Iron Co....  
 AAAAA  
**VA.—Lynchburg**  
 Arlington Coal & Coke Co.A  
 Gilliam Coal & Coke Co..A  
**VA.—Norton**  
 Norton Coal Co. ....A  
**VA.—Richmond**  
 Ellison & McCaw .....E  
**VA.—Roanoke**  
 Roanoke Coal & Coke Co...  
 AA  
**VA.—Virginia City**  
 Russell Creek Coal & Coke  
 Co. ....B  
**W. VA.—Algoma**  
 Algoma Coke & Coal Co..A  
**W. VA.—Bramwell**  
 Buckeye Coal & Coke Co..A  
 Sagamore Coal & Coke Co..A  
**W. VA.—Caperton**  
 Victoria Coal & Coke Co..A  
**W. VA.—Fairmount**  
 Fairmount Coal Co. ....AAAA  
**W. VA.—Fire Creek**  
 Fire Creek Coal & Coke Co. A  
**W. VA.—Glen Jean**  
 McKell Coal & Coke Co...B  
**W. VA.—Godfrey**  
 Crystal Coal & Coke Co..A  
**W. VA.—Goodwill**  
 Goodwill Coal & Coke Co..B  
 Louisville Coal & Coke Co..A  
**W. VA.—Grafton**  
 Tygarts River Coal Co...AA  
**W. VA.—Kyle**  
 Lynchburg Coal & Coke Co. A  
**W. VA.—Raleigh**  
 Raleigh Coal & Coke Co..B  
**W. VA.—Stonecliff**  
 Benry Coal & Coke Co....A  
**W. VA.—Thacker**  
 Thacker Coal & Coke Co..B  
**W. VA.—Thomas**  
 Davis Coal & Coke Co....  
 AAAAA  
**W. VA.—Vivian**  
 Peerless Coal & Coke Co..A  
 Tidewater Coal & Coke Co. A  
**W. VA.—Worth**  
 Rolfe Coal & Coke Co....A

**COLANDERS**

MO. St. Louis

**COLANDERS (Con.)**  
 St. Louis Stamping Co. ....  
                                   AAAA  
**N. Y.—Albany**  
 Hoy & Co. ....A  
**N. Y.—Buffalo**  
 Shepard & Co., Sidney ....  
                                   AAAA  
**New York City**  
 Lalance & Grosjean Mfg. Co.  
                                   AAAA

## COLCHICUM

**New York City**  
 Hopkins & Co., J. L., 100  
 William .....A

## COLCOTHER

**N. Y.—Brooklyn**  
 Wiarda & So., John C. ....AA

## COLLAR- ETTES

See Clothing; Ladies'

## COLLARS & CUFFS

**CAL.—Oakland**  
 Keller Co., M. J. ....A  
**CONN.—Windsor**  
 Windsor Collar & Cuff Co.  
 (Rubber) .....C  
**MASS.—Boston**  
 Reversible Collar Co.  
 (Linene) .....AA  
**MASS.—Cambridge**  
 Reversible Collar Co. ....AA  
**MICH.—Detroit**  
 Norris Co. ....B  
**MICH.—Grand Rapids**  
 Kelly Shirt Co. ....D  
**N. Y.—Albany**  
 Empire Collar & Cuff Co. ....A  
 Munson, S. L. ....A  
**N. Y.—Brooklyn**  
 Goodman & Mandel .....C  
 Manheim, Julius .....C  
 Roach & Co., John C. ....E  
**N. Y.—Glens Falls**  
 Fowler Collar Co. ....C  
 Peyser Collar Co., Eugene  
 P. ....B  
 Robertson & Co., D. L. ....C  
**N. Y.—Lockport**  
 Dumville & Co. ....C  
**New York City**  
 Hauptner & Co., Chas. ....C  
 Keep Shirt Co., H. V. ....D  
 Moseley & Moody .....E  
 Sidenberg & Co., G. ....AA  
 United Mfg. Co., 636 B'way  
 (Paper) .....A  
**N. Y.—Troy**  
 American Collar Co. ....C  
 Bowman & Sons, Joseph...F  
 Brown, E. H. ....F  
 Chapman-Harper Co. ....D  
 Cluett, Peabody & Co. ....AAA  
 Coon Bros. ....D  
 Corliss, Coon & Co. ....B  
 Curtis & Co., H. H. ....B  
 Dingman, J. B. ....F  
 Earl & Wilson .....A  
 Ennigh & Straub .....C  
 Fellows & Co. ....B  
 Ferguson Co., C. W. ....D  
 Goodman, Saperstein & Co.  
 F .....F  
**Hall, Hartwell & Co.** ....A  
**Holmes, Henry** .....C  
**Ide & Co., Geo. P.** .....A  
**International Shirt & Collar  
 Co.** .....B  
**McClellan Co., C. H.** ....D  
**Marvin, E. W.** .....C  
**Miller-Hale Shirt & Collar  
 Co.** .....D  
**Searle, Gardner & Co.** ....B  
**Stettinmer & Co., J. J.**  
 (Womens') .....C  
**Tim & Co. (Mens';  
 Womens')** .....A  
**Troy Collar Co.** .....E  
**United Shirt & Collar Co.**  
 (Mens'; Womens') .....AAAA  
**Van Zandt, Jacobs & Co.** ....B  
**Wilber - Campbell - Ste-**

**COLLARS & CUFFS**  
 phens Co. ....A  
**N. Y.—Waterford**  
 American Shirt & Collar Co.  
                                   D  
**N. Y.—West Troy**  
 Barker Co., Wm. ....A  
**OHIO—Cincinnati**  
 Goffton, Frank .....B

## COLLARS

### Miscellaneous

**ALA.—Huntsville**  
 Huntsville Fdry. & Machine  
 Wks. (Shafting) .....B  
**CONN.—Bristol**  
 Smith, Ira B. (Shafting) ..E  
**CONN.—Willimantic**  
 Thread City Collar Co.  
 (Rubber) .....B  
**IND.—Indianapolis**  
 Hoosier Sweat Collar Co.  
 (Felt Sweat) .....C  
**IND.—Mishawaka**  
 Dodge Mfg. Co. (Shafting)  
                                   AAA  
**IOWA—Keokuk**  
 Weber-Hirsch Mfg. Co.  
 (Pipe) .....E  
**MD.—Baltimore**  
 Poole Engineering & Ma-  
 chine Co. (Shafting) ..AA  
**MASS.—Newburyport**  
 Fiberloid Co. (Waterproof)  
                                   B  
**MASS.—Springfield**  
 M. & M. Mfg. Co. (Rubber)  
                                   E  
**MASS.—Worcester**  
 Matthews Mfg. Co. (Steam  
 Pipe) .....D  
 Worcester Ferrule & Mfg.  
 Co. (Steam Pipe) .....C  
**MICH.—Detroit**  
 Buhl Malleable Co. (Shaft-  
 ing) .....A  
**MINN.—St. Paul**  
 Scheffer & Rossum, 172 E.  
 4th (Dog) .....E  
**MO.—St. Louis**  
 Brauer Bros. Mfg. Co. (Dog)  
                                   E  
 Medart Patent Pulley Co.  
 (Shafting) .....AAA  
**N. J.—Newark**  
 Premo-Hall Mfg. Co. (Bath  
 Tub) .....X  
**N. Y.—Brooklyn**  
 Smith & Son, Jas., 40  
 Franklin Av. (Dog) ....D  
 Williams & Co., J. H., 9  
 Richards (Shafting) ..AA  
**New York City**  
 Brown Co., A. & F., 25 Dey  
 (Shafting) .....B  
 Medford Fancy Goods Co.,  
 75 Duane (Brass Dog) ..E  
**PA.—Chester**  
 Keystone Droy Forge Works  
 (Shafting) .....B  
**PA.—Pittsburg**  
 Columbia Bridge Co.  
 (Shafting) .....AA  
**R. I.—Providence**  
 Manchester Co., J. B. (Cop-  
 per Roof) .....E

## COLLECTORS

**CONN.—Hartford**  
 Stirling Blower & Pipe Mfg.  
 Co. (Dust) .....A  
**IND.—Richmond**  
 Richmond City Mill Wks.  
 (Dust) .....B  
**MASS.—Boston**  
 Sturtevant Co., B. F.  
 (Dust) .....AAA  
**MICH.—Detroit**  
 American Blower Co. (Dust)  
                                   AA  
**N. Y.—Buffalo**  
 Buffalo Forge Co. (Dust)..  
                                   AAA  
**New York City**  
 Fairbanks Co., 416 Broome  
 (Dust) .....AAAA  
**OHIO—Columbus**  
 Case Mfg. Co. (Dust) ...A

## COLLETS

**CONN.—Hartford**  
Whitney Mfg. Co. (Spring) A  
**CONN.—Waterbury**  
White Co., L. C. (Button) C  
**R. I.—Providence**  
Brown & Sharpe Mfg. Co.  
(Spring) AAAAA

## COLLODION

**MASS.—Boston**  
Billings, Clapp & Co. ....B  
**MO.—St. Louis**  
Larkin & Scheffer .....A  
Mallinckrodt Chemical Wks.  
AAAA  
**New York City**  
Cooper & Co., Chas. ....AA  
McKesson & Robbins.AAAA  
New York Quinine & Chem-  
ical Wks. (Ltd.) .....A  
Schleffelein & Co., W. H. AA  
**PA.—Philadelphia**  
Powers - Weightman - Ros-  
engarten Co. ....AAAA

## COLOCYNTH

**PA.—Philadelphia**  
Drueiding Bros. Co. ....AA

## COLOGNE

See Perfumery

## COLORS

See also Paints; Dyestuffs;  
Dyes; Extracts.

**CAL.—San Francisco**  
Blumenthal & Co., M.  
(Sugar) .....E  
Fuller & Co., W. P. (Car;  
Coach; Japan; Oil) ....AAAA  
**COLO.—Denver**  
James Mercantile & Mfg.  
Co., B. L. (Car; Coach;  
Graining; Oil) .....B  
**CONN.—Essex**  
Essex Paint Wks. (Artists'  
Dry; Tube; Car; Coach;  
Dry; Japan; Scene Paint-  
ers' Dry) .....A  
**CONN.—Hartford**  
Beach & Co. (Aniline).AAA  
**GA.—Augusta**  
Augusta Sienna & Ochre Co.  
F  
**ILL.—Aurora**  
Akron Mining, Milling &  
Mfg. Co. (Paint) .....B  
**ILL.—Chicago**  
Alston Mfg. Co., 177 Ran-  
dolph (Agricultural; Art-  
ists' Tube; Dry).....A  
American Steel & Wire Co.,  
The Rookery (Venetian  
Red; Oil) .....AAAA  
Baltimore Chemical Co.  
(Canned Goods) .....B  
Barrett & Co., M. L.  
(Canned Goods; Cider;  
Vinegar) .....A  
Beekler Co., J. G. (Canned  
Goods) .....D  
Bode, Gustave A. (Cider;  
Vinegar) .....D  
Chapman & Smith Co.  
(Confectioners') .....B  
Chicago Wood Finishing Co.  
(Car; Coach) .....A  
Creamery Package Mfg. Co.  
(Butter; Cheese) ..AAAA  
Heath & Milligan Mfg. Co.  
(Car; Coach; Ceramic;  
Oil) .....AAA  
Heller & Co., B. (Food)..D  
Hutchinson & Son, W. H.  
(Sugar) .....A  
Kohnstamm & Co., H.  
(Canned Goods) .....AA  
McMahon & Durlacher Co.  
(Food) .....D  
Ottens, H. H. (Confec-  
tioners'; Bakers') .....C  
Rubber Paint Co. (Agricul-

## COLORS (Con.)

tural; Car; Coach; Fresco;  
Japan; Oil; Moist Water;  
Paper Makers'; Pulp)...A  
**Senour Mfg. Co. (Oil)....A**  
**ILL.—East St. Louis**  
Illinois Mineral Milling Co.  
O  
**ILL.—Sterling**  
Carolus Co., J. K. (Butter)  
D  
**IOWA—Fort Dodge**  
Iowa Paint Mfg. Co.  
(Dry) .....O  
**LA.—New Orleans**  
McWilliams, R. (Car;  
Coach; Japan; Oil).....X  
**MD.—Baltimore**  
Macneal & Co., Jas. B., 34  
S. Calvert (Paint) ....A  
Sonneborn's Sons, L. (Ani-  
line) .....C  
**MASS.—Boston**  
American Soda Fountain Co.  
(Fruit) .....AAAA  
Babcock & Co., John (Oil).B  
Briggs & Co., John, 14  
Washington (Oil) .....C  
Cabot, Samuel (Mortar) ..A  
Metcalf Co., Theodore  
(Aniline) .....A  
Murray Co. (Food) .....C  
Swift & Co., 75 Broad  
(Dry) .....B  
Wadsworth - Howland Co.  
Artists' Tube; Car;  
Coach; Oil; Dry Paint;  
Fresco; Japan) .....A  
**MASS.—Lynn**  
Hadley Cement Co. (Ce-  
ment) .....D  
**MASS.—Springfield**  
Hampton Paint & Chemical  
Co. (Japan; Oil; Paper  
Makers') .....B  
**MASS.—Worcester**  
Ferric Chemical & Color  
Co. ....AAAA  
**MICH.—Detroit**  
Acme White Lead & Color  
Wks. (Brick; Car; Coach;  
Decorators'; Dry; Distem-  
per; Fresco; Graining;  
Japan; Oil; Striping)....AAA  
Bordell Bros. White Lead &  
Color Co., 18 Congress  
(Oil; Mortar) .....AA  
Crown Color Co. (W. E.  
Heames & Co.) (Confec-  
tioners') .....D  
Detroit White Lead Wks.,  
532 Milwaukee (Agricul-  
tural; Car; Coach; Brick;  
Dry; Graining; Japan;  
(Oil; Striping) .....AAA  
Eaton & Son, Thos. H.  
(Aniline) .....AAAA  
Peninsular Paint & Varnish  
Co., Aubin Av. (Paint)...A  
**MICH.—Grand Rapids**  
Alabastine Co. (Dry) ....X  
**MICH.—Sebewaing**  
Sebewaing Sandstone Brick  
Co. (Brick) .....D  
**MO.—Kansas City**  
Continental Varnish & Color  
Co. (Paint) .....D  
**MO.—Poplar Bluff**  
Mamolith Carbon Paint Co.  
(Mineral) .....X  
**MO.—St. Louis**  
Appelgren, F. (Sugar) ..D  
Mephram, Geo. S. & Klein,  
2106 Lafayette Av. (Dry)  
A  
Mound City Paint & Color  
Co. (Dry; Papan; Oil)...AA  
Vane-Calvert Paint Co., 823  
Locust (Oil) .....B  
**N. J.—Jersey City**  
Woolsey Paint & Color Co.,  
C. A. (Car; Coach; Dis-  
temper; Dry; Fresco;  
Graining; Japan; Oil; Pa-  
per Makers') .....A  
**N. J.—Lincoln**  
Atlas Co. (Miners'; Re-  
finers') .....B  
**N. J.—Newark**  
Cawley, Clark & Co., 278  
Passaic (Paint) .....A

# **COLORS (Con.)**

**N. J.—West Hoboken**  
**Pallsade Mfg. Co. (Burnt Sugar)** .....D  
**N. Y.—Albany**  
**Hudson River Aniline Color Wks. (Aniline)** .....B  
**N. Y.—Brooklyn**  
**Ansbacher & Co., A. B., 810 N. 7th (Paint)** .....X  
**Dryden & Palmer (Food)**...A  
**Moore & Co., Benj. (Car; Coach; Japan; Oil)**...AA  
**N. Y.—Buffalo**  
**McLennan Paint Co. (Dry; Oil; Mineral; Mortar)**...A  
**Schoellkopf, Hartford & Hanna Co. (Aniline; Dye; Dry)** .....AAA  
**N. Y.—Clinton**  
**Clinton Metallic Paint Co. (Motor)** .....C  
**N. Y.—Little Falls**  
**Burrell & Co., D. H. (Butter; Cheese)** .....AAAA  
**Hansen's Laboratory, Chr. (Butter; Cheese)** .....B  
**McKinnon, Robt (Bottlers)** .....AAA  
**N. Y.—Long Island City**  
**Long Island Paint & Color Works** .....AAAA  
**N. Y.—New Brighton**  
**Muralo Co. (Fresco)** .....A  
**New York City**  
**Adler Color & Chemical Wks., 100 William (Agricultural; Artists' Dry; Decorators'; Distemper; Dry; Oil; Papermakers'; Pulp; Ham Canvas; Scene Painters' Dry)** .....A  
**American Bronze Powder Mfg. Co. (Dry)** .....B  
**Ansbacher & Co., A. B. (Agricultural; Pulp)**...AAA  
**Bartels, Ernest C. (Aniline)** .....B  
**Berlin Aniline Wks., 213 Water (Aniline)** .....B  
**Billings, King & Co., 438 Pearl (Paint)** .....A  
**Binney & Smith Co., 81 Fulton (Dry)** .....AAA  
**Bischoff & Co., C. (Sulfamine for Leather)** .....A  
**Breibach & Son, E. J. Motz Av. & 144th (Paint)** .....B  
**Bush & Co., W. J. (Confectioners')** .....AA  
**Cassella Color Co. (Alizarine; Aniline)** .....A  
**Chaskel Chemical Co. (Cigar; Sugar; Vinegar; Bottlers)** .....X  
**Childs & Co., Chas. M. (Oil)** .....AA  
**Chilton Paint Co. (Japan; Oil)** .....B  
**Coulston & Co., J. W., 81 West (Paint)** .....A  
**Delisser & Co. (Bottlers)** B  
**Devoc, F. W. & C. F. Reynolds Co., 103 Fulton (Agricultural; Artists' Dry; Tube; Car; Coach; Chromo-Photograph; Decorators'; Distemper; Dry; Fresco; Graining; Ham Canvas; Japan; Marbleizers'; Moist; Pulp; Oil; Scene Painters' Dry; Wax Flower)** .....AAAA  
**Doggett, Stanley, 101 Beekman (Dry)** .....A  
**Emken Chemical Co. (Sugar)** .....B  
**Fox & Co., M. Ewing, E. 136th & Ridge Av. (Dry)** .....D  
**Frank & Co., R. (Food)** ..E  
**Fries Bros. (Food for Tanners, &c.)** .....A  
**Gabriel & Schall, 305 Pearl Dry; Lithophane)** .....C  
**Gelsenheimer & Co., 189 Front (Aniline)** .....A  
**Gennert, G. (Photographic)** .....B  
**Holliday, Read & Sons, William & John (Aniline)** .....B  
**Gerstendorfer Bros. (Car; Coach)** .....B  
**Hamell & Gillespie, 240**

# **COLORS (Con.)**

**Front (Importers)** .....A  
**Heller & Mers Co., 22 Cliff (Aniline; Dye)** .....AA  
**Hemingway & Co., 135 Front (Dry; Mineral)** .....B  
**Herrman & Co., Morris, 255 Pearl (Dry)** .....B  
**Huber, J. M., 275 Water (Dry)** .....B  
**Johns-Manville Co., H. W. (Car; Coach; Japan; Oil)** .....AAA  
**Kalle & Co., 530 Canal (Aniline; Dye)** .....A  
**Keppelmann, A., 192 Fulton (Paint)** .....AA  
**Keuffel & Esser Co., 127 Fulton (Artists' Water)** .....AA  
**Klipstein & Co., A. (Inc.) (Aniline; Dye; Papermakers')** .....AA  
**Koechl & Co., V. (Food)** ..A  
**Kohnstamm & Co., H., 87 Park Pl. (Paint; Food)**AA  
**Kuttruff & Pickhardt Co. (Alizarine-Aniline)** .....A  
**Lavanburg, Fred. L., 100 William (Dry; Pulp)** ..A  
**Lieber & Co., H. (Food)** ..C  
**Longman & Martinez, 207 Pearl (Car; Coach; Decorators'; Distemper; Dry; Fresco; Graining; Japan; Oil)** .....AAA  
**McKesson & Robbins (Sugar)** .....AAAA  
**Maas & Waldstein (Food)** A  
**Matthews, John (Firm of) (Fruit)** .....AA  
**Mergentime & Lamm (Fruit)** .....D  
**Metz & Co., H. A. (Aniline)** .....A  
**Matheson & Co., Wm. J. 178 Front (Aniline; Dye)** .....A  
**Messner Paint & Color Works, 383 Pearl** .....A  
**Pfeiffer, Isaac, 174 Fulton (Paint)** .....A  
**Pierce Co., F. O., 170 Fulton (Car; Coach; Decorators'; Distemper; Graining)** ..A  
**Prince Mfg. Co., 71 Maiden Lane (Paint)** .....B  
**Preservalline Mfg. Co., 41 Warren (Food)** .....AA  
**Reichard, F. A. (Food)** ..A  
**Roesler & Hasselacher Chemical Co. (Ceramic)** .....AA  
**Sartorius & Co., A. (Artists Tube; Ceramic)** .....AAA  
**Shultz Co., A. H., 198 W. Bway, (Bottlers; Confectioners')** .....X  
**Sinclair & Valentine, 149 Baxter** .....A  
**Smith & Co., E. (Artists' Tube; Car; Coach)** .....A  
**Smith & Co., J. Lee (Venetian Reds)** .....AA  
**Tiemann & Co., D. F., 44 Duane (Agricultural; Artists' Dry; Car; Coach; Decorators'; Distemper; Dry; Fresco; Graining; Ham Canvas; Jap; Marbleizers'; Oil; Moist; Water; Papermakers'; Pulp)** ..A  
**Toch Bros. 85 Pearl (Dry; Mortar)** .....A  
**Tompkins, Calvin (Mortar)** .....B  
**Ullman Co., Sigmund (Dry)** .....A  
**Valentine & Co., 237 Bway, (Artists' Dry; Car; Coach; Distemper; Graining; Moist Water; Scene Painters' Dry; Wax Flower)** .....AAAA  
**Whitaker, W. H., 245 Front (Importer)** .....G  
**Williamson & Co., D. D. (Cider; Sugar)** .....B  
**Wix & Co., Charles, 53 Dey (Dry)** .....A  
**Wood & Selick (Bottlers; Confectioners')** .....A  
**Woods, Robt. L. (Sugar)** ..A  
**N. Y.—Potsdam**  
**Thatcher Mfg. Co. (Butter)** .....A



**COLORS (Con.)**

**N. Y.—Syracuse**  
Gowing, D. H. (Cheese) O  
**N. Y.—Troy**  
Connors Paint Mfg. Co., W.  
(Distemper; Dry Paint;  
Oil; Mortar) .....A  
**N. Y.—Utica**  
Jones, Frank L. (Butter;  
Cheese) .....C  
**OHIO—Cincinnati**  
Alexander Co., M. H.  
(Sugar) .....A  
Ault & Wiborg Co., 7th &  
Calvert (Dry) .....AAAA  
Eagle White Lead Co., 1030  
Bway. (Agricultural; Dry;  
Ham Canvas) .....AAAA  
Fries & Bros. Alex. ....A  
Moser Co., Chas. (Artists'  
Tube; Car; Coal; Ham  
Canvas; Oil) .....AA  
**OHIO—Cleveland**  
Billings-Chapin Co., 37  
Case Av. (Car; Coach;  
Dry) .....A  
Cleveland Color Co., Mason  
& Belden (Lake) .....B  
Forest City Paint & Var-  
nish Co., Hamilton &  
Kirkland (Coach; Oil) ..B  
Garry Iron & Steel Co. (Dry  
Paint; Mortar) .....9  
Glenmore Color Works  
(Paint) .....A  
Sherwin & Williams Co., 100  
Canal (Car; Coach; Oil)  
AAAA  
**OHIO—Dayton**  
Sachs-Pruden Ginger Ale Co.  
(Confectioner) .....D  
**OHIO—Marietta**  
Hasty & Son Co., J. M.  
(Confectioners) .....H  
**PA.—Alburtis**  
Bass Paint Co. (Dry) .....C  
**PA.—Allegheny**  
Eagle Paint & Varnish  
Works, 225 Grant Av.  
(Oil) .....B  
**PA.—Easton**  
Williams & Co., C. K. (Dry,  
Mortar; Papermakers')..A  
**PA.—Johnstown**  
Cambria Paint & Color  
Works .....B  
**PA.—Philadelphia**  
Bird Co., F. J., 122 Arch  
(Aniline) .....H  
Clinton & Co. (Oil) .....A  
French Co., S. H., 4th Cal-  
lowhill (Mortar) .....A  
Harrison Bros. & Co., 35th  
and Gray's Ferry Rd.  
(Decorators'; Distemper;  
Dry) .....AAAA  
Jewel Mfg. Co. (Food) ....A  
Keller, Robert (Beer) ....D  
Lang & Son, Wm. (Sugar) ..B  
Johnson & Co., Chas. E. 509  
So. 10th (Dry) .....AA  
Lewis & Bros., John H., 231  
So. Front. (Dry) .....AAAA  
Lucas & Co., John, 322 Race  
(Agricultural; Artists'  
Dry Tube; Car; Coach;  
Dry; Decorators'; Distem-  
per; Fresco; Graining;  
Ham Canvas; Japan; Mar-  
bleizers'; Oil; Paper Ma-  
kers' Pulp; Scene Paint-  
ers' Dry) .....AAA  
Nice, E. E., 272 S. 2d (Dis-  
temper; Dry Paint; Japan;  
Oil) .....A  
Otters, Henry H. (Bakers';  
Confectioners') .....C  
Putzel, Albert S. (Food) ....F  
Savage, Mahlon L., "Frank-  
fort" (Pulp) .....F  
Twitcheil Co., S. (Burnt  
Sugar; Fruit) .....A  
Weber & Co., F. (Artists'  
Tube; Moist Water; Pa-  
tel) .....A  
Woodhouse, S. F., Unity &  
Franklin, Fkd. (Paint) ..D  
**PA.—Pittsburg**  
Lawrence & Co., W. W.  
(Inc.) Car; Coach; Strip-  
ping) .....AA  
**PA.—Reading**  
Reading Paint Mills (Coach;  
Oil) .....AA  
Wilhelm Co., A. (Car;  
Coach; Graining; Oil) AA

**COLORS (Con.)**

**PA.—Williamsport**  
National Paint Wks. (Oil)  
B  
United States Paint Co.  
(Oil) .....F  
**R. I.—Providence**  
Arnold, Hoffman & Co. AA  
United States Gutta Percha  
Paint Co., 34 Mathewson  
Decorators' Oil) .....A  
**TEXAS—Dallas**  
Star Mfg. Co. (Food) .....G  
**VT.—Burlington**  
Wells & Richardson Co.  
(Butter; Aniline; Dye) AA  
**WIS.—Lake Mills**  
Fargo & Co., F. B. (Butter)  
B

**COLUMNS**

See also Woodwork

**CONN.—Bristol**  
Sessions Fdry. Co. (Bench,  
Cast) .....AAA  
**CONN.—East Berlin**  
Berlin Iron Bridge Co., Br.  
Am. Bridge Co. (Steel)  
AAAA  
**CONN.—Hartford**  
Hartford Woven Wire &  
Mattress Co. (Extension)  
A  
**GA.—Augusta**  
Lombard Iron Wks. & Sup-  
ply Co. (Iron) .....A  
**ILL.—Batavia**  
U. S. Wind Engine & Pump  
Co. (Railroad Water) ..A  
**ILL.—Chicago**  
Amberg Granite Co., Mar-  
quette Bldg. (Polished  
Granite) .....E  
Blake & Co., Chas. G., 720  
Women's Temple (Pol-  
ished Granite) .....B  
Dearborn Foundry Co.  
(Iron) .....A  
Foster & Hosler, 415 Wabash  
Av. (Polished Granite) D  
**IOWA—Clinton**  
Curtis Bros. & Co. (Porch)  
AAA  
**KANS.—Emporia**  
Emporia Fdry. & Machine  
Wks., (J. C. Jones & Son  
Prop.) (Iron) .....D  
**KY.—Covington**  
Ohio Scroll & Lumber Co.  
(Twisted Wood) .....D  
**KY.—Louisville**  
Shead Architectural Iron  
Works (Iron) .....B  
**MAINE—Hallowell**  
Hallowell Granite Wks.  
(Polished Granite) ....AA  
**MAINE—Portland**  
Maine & New Hampshire  
Granite Co. (Polished  
Granite) .....B  
**MAINE—Red Beach**  
Main Red Granite Co. (Pol-  
ished Granite, in Red,  
Gray, Black, Green &  
White) .....B  
**MAINE—Rockland**  
Bodwell Granite Co. (Pol-  
ished Granite) .....AA  
**MASS.—Boston**  
Granite Railway Co., 150  
Devonshire (Polished  
Granite) .....AA  
Jones Bros., 161 Summer  
(Polished Granite) ...AA  
Stearn's Lumber Co., A. L.  
AA  
**MASS.—Quincy**  
Mitchell Granite Wks. (Pol-  
ished Granite) .....E  
Richards, Jno. R. (Polished  
Granite) .....E  
Smith & Co., Thos. W. (Pol-  
ished Granite) .....E  
**MASS.—Rockport**  
Rockport Granite Co. (Pol-  
ished Granite) .....A  
**MASS.—Worcester**  
Algonquin Red Slate Co.  
(Slate) .....B  
Norcross Bros. Co. (Polished  
Granite) .....AA  
**MICH.—Detroit**  
Michigan Lubricator Co.  
(Water) .....A

**COLUMNS (Con.)**

**MICH.**—Three Rivers  
Sheffield Car Co. (Railroad  
Water) .....AA  
**MINN.**—Minneapolis  
Gillette-Hersog Mfg. Co.  
(Iron; Steel) .....X  
**MINN.**—St. Cloud  
St. Cloud Granite Wks. (Pol-  
ished Granite) .....D  
Simmers & Campbell  
(Turned; Polished Gran-  
ite) .....E  
**MO.**—Kansas City  
Kansas City Wire & Iron  
Wks. (Iron) .....B  
**N. J.**—Trenton  
MacKenzie, Duncan (Iron) A  
**N. Y.**—Brooklyn  
Taylor & Co. (Inc.) (Iron) D  
**N. Y.**—Long Island City  
White Granite Co., West Av.  
(Polished Granite) .....F  
**New York City**  
Ashcroft Mfg. Co. (Combina-  
tion Water) .....A  
Booth Bros. & Hurricane  
Isle Granite Co., 207  
Bway. (Polished Granite) A  
Cornell, J. B. & J. M.  
(Bench; Cast; Iron) ...AA  
Dimond, Thomas (Iron) ...A  
Jackson Architectural Iron  
Wks. (Iron) .....AA  
Leopold & Co., Jos., 18  
Bway. (Polished Granite) O

**Milford Pink Granite Co.**  
1133 Bway. (Polished  
Granite) .....X  
**N. Y.**—Oswego  
Kitts Mfg. Co. (Water) F  
**OHIO**—Cincinnati  
Laidlaw-Dunn-Gordon & Co.,  
Br. Intn. Steam Pump Co.,  
N. Y. City (Railroad  
Water) .....AAAA

**OHIO**—Kenton  
Champion Iron Co. (Iron) AA

**OHIO**—Mansfield  
Mansfield Mach. Wks.  
(Iron) .....X

**PA.**—Bangor  
American Slate Co. (Slate) AA

**PA.**—East Bangor  
East Bangor Consolidated  
Slate Co. (Slate) ....AA

**PA.**—Harrisburg  
Hickok Mfg. Co., W. O.  
(Bench; Cast) .....AA

**PA.**—Middletown  
American Tube & Iron Co.  
(Pump) .....AAAA

**PA.**—Philadelphia  
Novelty Iron Wks. (Iron) X  
Phoenix Bridge Co. (Iron) A

**PA.**—Pittsburg  
Best, Fox & Co. (Water) A  
Riter-Conley Mfg. Co.  
(Lattice) .....AAA

**PA.**—Wilkesbarre  
Vulcan Iron Wks. (Iron;  
Shaft) .....AAAA

**PA.**—York  
Variety Iron Wks. (G. Im-  
mer's Sons) (Iron) .....A

**R. I.**—Providence  
Brown & Sharpe Mfg. Co.  
(Bench; Cast) .....AAAA

**R. I.**—Waverly  
New England Granite Wks.  
(Polished Granite) ...AA

**TENN.**—Memphis  
Chickasaw Iron Wks.  
(Iron) .....A

**VT.**—Barre  
McDonald & Buchan (Pol-  
ished Granite) .....D

**Wells, Lamson & Co.** (Pol-  
ished Granite) .....C

**VT.**—Hydenville  
Hydenville Marbleized Slate  
Mantel Co. (Slate) ....D

**VT.**—Woodbury  
Woodbury Granite Co. (Pol-  
ished Granite) .....AA

**COMBERS**

**MASS.**—Taunton  
Mason Machine Wks. (Cot-  
ton) .....AA

**COMBERS (Con.)**

**MASS.**—Whitinsville  
Whitin Machine Wks. (Cot-  
ton) .....AAAA

**COMBS**

See Celluloid Goods; Jew-  
elry; Tortoise Shell Goods;  
Horn Goods, etc.)

**CONN.**—Bridgeport  
Hotchkiss, Edward S. (Cur-  
ry) .....A

**CONN.**—Danielson  
Larkin & Wood (Slasher) G  
**CONN.**—Deep River  
Pratt, Reed & Co. (Horn;  
Ivory) .....AA

**CONN.**—New Britain  
Landers, Trary & Clark  
(Curry; Mane) .....AAA

**CONN.**—North & Judd Mfg. Co.  
(Mane) .....AA

**CONN.**—New Haven  
Fitch Co., W. & E. T.  
(Curry) .....A

**CONN.**—Plainville  
Hills, Edwin (Curry) .....A

**CONN.**—Southington  
Peck, Stow & Wilcox Co.  
(Curry) .....AAAA

**CONN.**—Southington Cutlery Co.  
(Curry) .....AA

**CONN.**—Wallingford  
Wallace & Sons, Mfg. Co.  
(Celluloid, Pocket; Shell) AAAA

**ILL.**—Freeport  
Stover Mfg. Co. (Curry) AA  
**ILL.**—Lemont  
Illinois Pure Aluminum Co.  
(Metal; Aluminum) ....X

**MASS.**—Attleboro  
Allen Smith & Thurston Co.  
(Imitation Shell) .....X

**MASS.**—Boston  
Bailey & Co., C. J. (Rubber) B

**Burton & Co., A. & E.** (Cur-  
ry) .....B

**Leigh, E. A., Mason Bldg.**  
(Wool; Cotton) .....B

**Lowe, Stephen C., 186 Dev-**  
onshire (Cotton) .....B

**Riley & Co., C. E. 65 Frank-**  
lin (Wool) .....A

**Stoddard, Haserick, Rich-**  
ards & Co., 152 Congress  
(Wool; Cotton) .....B

**MASS.**—Fall River  
McGregor & Sons (Slasher) F

**Sylvester & Co., C. F.**  
(Weavers') .....E

**MASS.**—Hopedale  
Draper Co. (Wool) .....AAAA

**MASS.**—Lawrence  
Austin & Co., M. E. (Wool) D

**MASS.**—Leominster  
Blodgett & Co., B. F.  
(Celluloid) .....O

**Earl & Co., W. D. (Horn) O**  
**Kingman Co., E. B. (Cellu-**  
loid; Horn; Ivory) .....C

**MASS.**—Lowell  
Bagshaw, W. H. (Wool) ...B

**Stott, Samuel E. & T.**  
(Wool) .....X

**MASS.**—North Attleboro  
Sadler Bros. (Celluloid) ...X

**MASS.**—Northboro  
Farwell & Co., Walter M.  
(Horn; Pocket) .....X

**MASS.**—Taunton  
Mason Machine Works (Cot-  
ton) .....AA

**MASS.**—Whitinsville  
Whitin Machine Works  
(Cotton) .....AAAA

**MASS.**—Worcester  
Cleveland Machine Wks.  
(Doffer) .....A

**Crompton & Knowles Loom**  
Wks. (Wool) .....AAAA

**N. J.**—Newark  
Celluloid Co. (Celluloid;  
Pocket) .....B

**Crabb & Co., Wm. (Wool;**  
Metal) .....A

**Peters Harness & Saddlery**  
Co. (Curry) .....C

**N. Y.**—Binghamton  
Noyes & Co., Jos. P. (Horn;  
Ivory) .....B

**COMBS (Con.)**

**N. Y.—Brooklyn**  
 Adams & Co., J. J., 122  
 Greenpoint Av. (Graining) A  
 Eddy & Co., Geo. M. (Rub-  
 ber) .....A  
 New York Stamping Co.  
 (Curry) .....A  
**N. Y.—Interlaken**  
 Coverts Saddlery Wks.  
 (Mane; Tail) .....C  
**New York City**  
 American Hard Rubber Co.  
 (Hard Rubber) .....AAAA  
 Borgfelt & Co., Geo., 48 W.  
 4th (Rubber) .....AAAA  
 Goodyear India Rubber  
 Glove Mfg. Co., 503 Bway.  
 (Rubber) .....AAAA  
 Goodyear Rubber Co. (Rub-  
 ber Curry) .....AAAA  
 Grote & Co., F. (Tortoise  
 Shell) .....D  
 Hanlon & Goodman (Grain-  
 ing) .....A  
 Hodgman Rubber Co. (Rub-  
 ber) .....AA  
 Lalance & Grosjean Mfg. Co.  
 (Curry) .....AAAA  
 Mechanical Rubber Co.  
 (Rubber) .....A  
 Medford Fancy Goods Co. 75  
 Duane (Dog) .....E  
 Reilley Bros. (Graining) ..D  
 Sargent & Co. (Mane;  
 Tail) .....AAAA  
 Sloan & Co. (Side) .....B  
 Smith & Son, J. Finley  
 (Graining) .....B  
**N. Y.—Watervliet**  
 Covert Mfg. Co. (Curry) ..A  
**N. C.—Charlotte**  
 Southern Card Clothing &  
 Reed Co. (Slasher) .....E  
**OHIO—Akron**  
 Akron Rubber Wks. (Rub-  
 ber) .....AAAA  
**OHIO—Canton**  
 Gibbs Mfg. Co. (Curry) A  
 Kohler & Co., F. E. (Curry)  
 B  
**PA.—Bloomsburg**  
 Richards Mfg. Co. (Curry) B  
**PA.—Kane**  
 Holgate Bros. Co. (Wooden  
 Curry) .....B  
**PA.—Philadelphia**  
 Barker, James. Sixth & Cay-  
 uga (Doffer) .....A  
 Bradford Wool Comb Co.,  
 2630 Mascher (Wool) ..X  
 Fitzgerald Loom Reed Co.,  
 N. 2nd & Diamond (Slash-  
 er) .....X  
 Hood, R. H., 1424 Callow-  
 hill (Wool) .....E  
 Jefferson & Bro., Edw., 127  
 S. 2nd. (Wool) .....D  
 Philadelphia Textile Mchry.  
 Co., Hancock & Somerset  
 (Doffer; Striking) ..AA  
 Smith Woolen Mach. Co.,  
 Jas. (Doffer) .....AA  
**E. I.—Providence**  
 American Supply Co. (Slash-  
 er) .....AA  
 Foster & Bros. Co., Theo. W.  
 (Silver) .....AA  
 Gowdy Reed & Harness Mfg.  
 Co., J. A. (Slasher) ...F  
 Miller, Wm. (Wool) .....F  
 Providence Machine Co.  
 (Cotton; Doffer) ....AA  
 Textile Finishing Mchry.  
 Co., 17 Exch. Pl. (Slash-  
 er) .....AAA  
 Townsend, Thomas, 157  
 Orange (Wool) .....E  
**WIS.—Two Rivers**  
 Aluminum Mfg. Co. (Metal)  
 A

**COMFORTERS**

See Bedding

**COMMOTES**

See also Furniture

**ILL.—Chicago**  
 Chicago Chair & Wheel Co.  
 A  
**IND.—Indianapolis**  
 Udell Wks. ....A

**COMMOTES (Con.)**

**MASS.—Boston**  
 Davenport, Albert H....AA  
**MICH.—Muskegon**  
 Heap, Wm. ....G  
**MO.—St. Louis**  
 Logeman Chair Mfg. Co., F.  
 H. ....AA  
 Scarritt-Comstock Furniture  
 Co. ....A  
**N. Y.—Brooklyn**  
 Cooper & McKee .....A  
**New York City**  
 Mace & Co., L. H. ....B  
 Sargent Co., Geo. F. (Sani-  
 tary) .....X  
**OHIO—Cincinnati**  
 Ballman Cabinet Co. ....C  
**PA.—Philadelphia**  
 Hale & Kilburn Mfg. Co.  
 AAAA  
 McCracken & Hall .....A  
**WIS.—Milwaukee**  
 Klipp & Co., B. A. ....B  
**WIS.—Oshkosh**  
 Bucktaff-Edwards Co. ...AA  
**WIS.—Sheboygan**  
 Crocker Chair Co. ....AAAA

**COMMUTA-  
TORS**

**ILL.—Chicago**  
 Western Electric Co. (Mer-  
 cury) .....AAAA  
**IND.—Ft. Wayne**  
 Ft. Wayne Electric Wks.  
 (Electric) .....AAA  
**IND.—South Bend**  
 Miller-Knoblock Elect. Mfg.  
 Co. (Electric) .....X  
**New York City**  
 Burnett & Co., J. H., 20  
 Park Pl. (Mercury) ...A  
**N. Y.—Utica**  
 Utica Electrical Mfg. &  
 Supply Co. ....X  
**OHIO—Cleveland**  
 Homer & Co., F. E. (Gener-  
 ation; Special) .....D  
**PA.—North East**  
 Eureka Tempered Copper Co.  
 Electric; Assembled; Re-  
 filled) .....B  
**PA.—Pittsburg**  
 Simonds Mfg. Co. (Electric)  
 B  
 Supply Mfg. Co. (Electric) X  
**VA.—Richmond**  
 Richmond Electrical Wks. A

**COMPASSES**

See also Dividers

**CONN.—Bridgeport**  
 Smith & Egge Mfg. Co.  
 (Pencil) .....A  
**CONN.—New Haven**  
 Schollhorn, Wm. (Pencil) B  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co.  
 (Pencil) .....AAAA  
**ILL.—Chicago**  
 Martin Co., Edw. P. ....C  
**MASS.—Athol**  
 Athol Machine Co. ....B  
 Starrett Co., L. S. ....A  
**MASS.—Boston**  
 Thaxter & Son, S., 125  
 State .....B  
**MASS.—Fitchburg**  
 Sawyer Tool Co. ....C  
**MASS.—Springfield**  
 Bemis & Call Hardware &  
 Tool Co. ....A  
**N. J.—Newark**  
 Osborne & Co., C. S. ....B  
**N. Y.—Buffalo**  
 West Mfg. Co. ....D  
**New York City**  
 Eagle Pencil Co. (Pencil)  
 AAA  
 Faber, Eberhard (Pencil)  
 AAA  
 Graham & Co., J. H., 113  
 Chambers .....AA  
 Ingersoll & Bro., R. H., 51  
 Maiden Lane (Pencil) A  
 Keuffel & Esser Co., 127  
 Fulton .....A  
 McAllister, T. H. (Boat;  
 Pocket) .....B  
 Merrill's Sons, Robt.

**COMPASSES (Con.)**  
 (Ships'; Sperit; Tell Tale) B  
 Smith & Hemenway ..... D  
 N. Y.—Troy .....  
 Gurley, W. & L. E. (Pocket;  
 Solar; Surveyors'; Ver-  
 nier) ..... AA  
**PA.—Philadelphia**  
 Queen & Co. (Inc.) (Survey-  
 ors') ..... AA  
 Riggs & Bro., 310 Market  
 (Marine) ..... B  
 Young & Sons (Pocket; So-  
 lar; Surveyors') ..... B  
**R. I.—Providence**  
 Brown & Sharpe Mfg. Co. .... AAAA

## COMPOSITION

**ILL.—Chicago**  
 Armour Glue Wks. (Book-  
 binders' Flexible) ..... AAAA  
**MASS.—Boston**  
 Golding & Co. (Printers'  
 Roller) ..... B  
 Osgood & Co., J. H. (Print-  
 ers' Roller) ..... X  
 Wild & Stevens (Printers'  
 Roller) ..... B  
**New York City**  
 Gardiner, George N. (Anti-  
 Corrosive) ..... F  
**OHIO.—Cincinnati**  
 Van Bibber Roller Co.  
 (Printers' Roller) ..... D  
**PA.—Philadelphia**  
 Godfrey & Co. (Printers'  
 Roller) ..... F

## COMPOUND

**N. J.—Trenton**  
 Home Rubber Co. (Splicing) .  
 AA

## COMPOUNDS

**CONN.—New Haven**  
 Standard Supply Co. (Pla-  
 ters' Cleansing) ..... H  
**DEL.—Wilmington**  
 American Vulcanized Fibre  
 Co. .... AAAA  
**ILL.—Chicago**  
 Frazer Lubricator Co.  
 (Lubricator) ..... AA  
 Stuart & Co., D. A. (Inc.)  
 (Roller; Lubricating) .. C  
**MASS.—Boston**  
 Bowdler & Co., W. H.  
 (Insulating) ..... B  
 India Alkali Wks. (Car  
 Cleansing) ..... C  
 Macallan Co., W. T. C., 338  
 Congress (Insulating) AA  
 Massachusetts Chemical Co.,  
 200 Sumner (Insulating;  
 Armature) ..... A  
**MASS.—New Bedford**  
 Nye, Wm. F. (Lubricating) .  
 A  
**MICH.—Detroit**  
 Stevens, F. B. (Buffing) A  
**MO.—St. Louis**  
 Aquart, A. D., Chemical  
 Bldg. (Car Cleansing) F  
**N. J.—Boonton**  
 Loango Hard Rubber Co.  
 (Insulating) ..... B  
**N. J.—Jersey City**  
 Dixon Crucible Co., Jos.  
 (Graphite; Pipe Joint) .  
 AAAA  
 Smooth-On Mfg. Co. (Iron) .  
 A  
**N. J.—Newark**  
 Duranoid Mfg. Co. (Com-  
 position Insulating) .... B  
**N. J.—Paterson**  
 Welding Compound Co.  
 (Welding) ..... E  
**N. Y.—Binghamton**  
 Binghamton Oil Refining  
 Co. (Lubricating) ..... A  
**N. Y.—Brooklyn**  
 Electrore Mfg. Co., 127 N.  
 10th (Insulating) ..... B  
 Miller Co., Wm. P. (Lubri-  
 cator) ..... D  
**New York City**  
 Bishop Gutta Percha Co.  
 (Insulating) ..... B  
 C & S Sons, Adam (Lubri-  
 cating) ..... A

**COMPOUNDS (Con.)**  
 De Ronde Co., Frank S., 46  
 Cliff (Car Cleansing) ... B  
 Hsley, Doubleday & Co.  
 (Lubricating) ..... B  
 Johns-Manville Co., H. W.  
 (Insulating) ..... AAAA  
 Kalbfleisch Co., Franklin H.  
 (Boiler) ..... AA  
 New York Insulated Wire  
 Co. (Splicing) ..... B  
 Pulver & Sons, Peter (Lubri-  
 cating) ..... D  
 Standard Paint Co. (Insula-  
 ting) ..... A  
 Williamson & Co., D. D.  
 (Boiler) ..... B  
**OHIO.—Cincinnati**  
 Modoc Soap Co. (Car  
 Cleansing) ..... D  
 Obermayer Co., S. (Core) .  
 AA  
**OHIO.—Cleveland**  
 Reliance Oil & Grease Co.  
 (Boiler; Lubricating) ... X  
 Smith Fdy. Supply Co., J. D.  
 (Core) ..... D  
**OHIO.—Columbus**  
 Ironsides Co. (Insulating) O  
**OHIO.—Toledo**  
 National Cement & Rubber  
 Mfg. Co. (Lubricating) O  
**OHIO.—Troy**  
 Ohio Electric Specialty Mfg.  
 Co. (Lubricating) ..... G  
**PA.—Easton**  
 World Refining Co. (Lubri-  
 cating) ..... X  
**PA.—Franklin**  
 Galena Signal Oil Co.  
 (Lubricating) ..... AAAA  
**PA.—Philadelphia**  
 Keystone Lubricating Co.  
 (Lubricating) ..... X  
 Lord Co., Geo. W. (Boiler)  
 B  
 Paxson Co., J. W. (Core) AA  
 Stevenson Bros. & Co.  
 (Boiler) ..... B  
**R. I.—Bristol**  
 National India Rubber Co.  
 (Insulating) ..... AAAA  
**R. I.—Providence**  
 American Oil Co. (Lubri-  
 cating) ..... B  
**W. VA.—Parkersburg**  
 Upson's Oil & Soap Co.  
 (Lubricating) ..... B  
**WIS.—Milwaukee**  
 Delaney Oil & Lubricant Co.  
 (Boiler) ..... X  
**WIS.—Racine**  
 Racine Malleable & Wrought  
 Iron Co. (Buffing) ..... A

## COMPRESSES

**ALA.—Birmingham**  
 Continental Gin Co. (Cotton)  
 AAAA  
**GA.—Elberton**  
 Elberton Cotton & Com-  
 press Co. (Cotton) ..... B  
**LA.—Minden**  
 Webb Press Co. (Cotton) A  
**New York City**  
 Planters Compress Co.  
 (Cotton) ..... B  
**PA.—Chester**  
 Vulcan Works (Cotton) ... B  
**PA.—Reading**  
 Reading Iron Co. (Cotton)  
 AAAA  
**TEXAS.—Houston**  
 Dickson Car Wheel Co.  
 (Cotton) ..... A

## COMPRESSORS

**CAL.—San Francisco**  
 Deble & Co., Ahner (Air) A  
 Garratt & Co., W. T. (Inc.)  
 (Air) ..... AAA  
 Risdon Iron & Locomotive  
 Wks. (Air) ..... AAAA  
**CONN.—South Norwalk**  
 Norwalk Iron Wks. Co.  
 (Gas; Air) ..... AA  
**ILL.—Aurora**  
 American Well Works  
 (Gas; Air) ..... AA  
**ILL.—Chicago**  
 Allis-Chalmers Co. (Ammo-  
 nia; Gas) ..... AAAA  
 Burton & Son, A. G. (Air) D  
 Chicago Pneumatic Tool Co.

**COMPRESSORS (Con.)**

Fisher Bldg. (Gas).....AAAA  
 Crane Co. (Air) .....AAAA  
 Fairbanks, Morse & Co.,  
 Franklin & Monroe (Gas-  
 oiline) .....AAAA  
 Kroeschell Bros. Co., 55  
 Erie (Gas) .....B  
 Murphy & Co., Christopher,  
 204 Dearborn (Gas; Gas-  
 oiline) .....C  
**IND.—Indianapolis**  
 Chandler & Taylor Co. (Air)  
 AA

**MASS.—Boston**  
 Blanchard Machine Co. (Air)  
 D

**MASS.—Springfield**  
 Emory Mfg. Co., P. P.  
 (Air) .....C

**MICH.—Detroit**  
 Northern Engineering Wks.  
 (Air) .....A

**MICH.—Saginaw**  
 Wickes Bros. (Ammonia)AA

**MINN.—Minneapolis**  
 Minneapolis Steel & Machy.  
 Co. (Air) .....A

**MO.—Kansas City**  
 Weber Gas & Gasoline En-  
 gine Co. (Air) .....B

**MO.—St. Louis**  
 Curtis & Co. (Air) .....A  
 General Compressed Air  
 House-Cleaning Co., 3033  
 Olive (Portable Air) ...X

**MO.—Springfield**  
 Crescent Iron Wks. (Air;  
 Ammonia) .....X

**N. J.—Dover**  
 Morris County Machine &  
 Iron Co. (Air) .....B

**N. J.—Elizabeth**  
 Moore & Sons Co., Samuel L.  
 (Air) .....AA

**N. J.—Smithville**  
 Smith Machine Co., H. B.  
 (Air) .....A

**N. Y.—Brooklyn**  
 Bliss Co., E. W. (Air)  
 AAAAA

**Guilford & Garrison, Kent Av.**  
**cor. S. 10th (Ammonia;**  
**Air) .....AA**

**New York City**  
 American Air Compressor  
 Wks., 26 Cortlandt (Air;  
 Gas) .....X

**Blake Mfg. Co., Geo. F. (Br.**  
**Int. Steam Pump Co.)**  
**(Air) .....AAAA**

**Clayton Air Compressor**  
**Wks., 116 Liberty (Gas;**  
**Carbonic Acid Gas; Air) B**

**Ingersoll-Sergeant Drill Co.,**  
**26 Cortland (Corliss; Gas;**  
**Air) .....AAAA**

**McKiernan Drill Co., 120**  
**Liberty (Air) .....B**

**Niles-Bement-Bond Co., 136**  
**Liberty (Air) .....AAAA**

**Pedrick & Ayer Co., 87 Lib-**  
**erty (Air) .....A**

**Rand Drill Co., 128 Bway.**  
**(Gas; Air) .....A**

**N. Y.—Rochester**  
 Clark Novelty Co. (Air) D

**N. Y.—Schenectady**  
 General Electric Co. (Air)  
 AAAAA

**N. Y.—Troy**  
 Hammett, M. C. (Air; Au-  
 tomatic Air) .....D

**OHIO—Cincinnati**  
 Laidlaw-Dunn-Gordon Co.  
 (Air; Gas) .....AAAA

**Lane & Rodley Co., John &**  
**Water (Air; Gas.) ....A**

**McGowan Co. John H. (Air)**  
**A**

**Triumph Ice Mach. Co., 610**  
**Baymiller (Ammonia) ..A**

**OHIO—Cleveland**  
 Cleveland Faucet Co. (Air)  
 AA

**OHIO—Columbus**  
 Columbus Machine Co. (Gas;  
 Gasoline) .....A

**Rarig Engineering Co. (Air)**  
**A**

**OHIO—Mansfield**  
 Barnes Mfg. Co. (Air) ...B

**PA.—Bradford**  
 Blaisdell Mfg. Co. (Air;

**COMPRESSORS (Con.)**

Gas.) .....A  
 Gray & Blaisdell Co. (Gas.)  
 X

**PA.—Philadelphia**  
 Cox & Sons Co. (Air) .....B

**Eynon-Evans Mfg. Co., 1507**  
**Clearfield (Air) .....B**

**Philadelphia Engineering**  
**Wks. (Air) .....A**

**PA.—Pittsburg**  
 Baird Machinery Co., U.  
 (Portable; Air) .....A

**Hall Steam Pump Co. (Br.**  
**Allegheny) (Air) .....A**

**PA.—Reading**  
 Reading Iron Co. (Air)  
 AAAAA

**PA.—Scottdale**  
 Kenney & Co. (Air) .....A

**PA.—York**  
 Dempwolf & Co., C. H.  
 (Air) .....B

**R. I.—Providence**  
 Builders' Iron Fdry. (Air)  
 AA

**WIS.—Milwaukee**  
 Allis-Chalmers Co. (Ammo-  
 nia; Air) .....AAAA

**Filer & Stowell Co., Becher**  
**cor. Ziemer (Gas; Air)**  
**AAA**

**Nordberg Mfg. Co. (Gas.)**  
**AA**

**COMPTO-**

**METERS**  
**ILL.—Chicago**  
 Felt & Tarrant Mfg. Co., 56  
 Illinois .....B

**CONCENTRA-**

**TORS**  
**CAL.—San Francisco**  
 Hendy Machine Co. Wks. J.  
 (Ore) .....AA

**COLO.—Denver**  
 Stearns-Rogers Mfg. Co.  
 (Ore) .....A

**ILL.—Chicago**  
 Gates Iron Wks. (Allis-Chal-  
 mers N. Y. City) (Ore)  
 AAAAA

**KANS.—Fort Scott**  
 Fort Scott Fdy. & Mach. Co.  
 (C. Eller) (Ore) .....H

**N. J.—Garwood**  
 Beckley & Co. (Ore) .....D

**OHIO—Akron**  
 Webster, Camm & Lane  
 Mach. Co. (Ore) .....A

**WIS.—Milwaukee**  
 Allis-Chalmers Co. (Ore)  
 AAAAA

**CONDENSERS**

See also Feeders & Con-  
 densers

**CONN.—Elmwood**  
 Whitlock Coll Pipe Co.  
 (Steam Engine) .....B

**GA.—Atlanta**  
 Wotton Electric & Mfg. Co.  
 (Electric; Electric Tele-  
 phone) .....B

**ILL.—Batavia**  
 Sperry & Co., D. R. (Br.  
 North Aurora, Ill.) (Amal-  
 gam) .....O

**ILL.—Chicago**  
 Allis-Chalmers Co., Br. N.  
 Y. City (Steam) AAAAA

**Baragwanath & Son, Wm.,**  
**52 W. Division (Steam) X**

**Fairbanks, Morse & Co.,**  
**Franklin & Monroe**  
**(Steam) .....AAAA**

**Kellogg Switchboard & Sup-**  
**ply Co., 225 S. Green**  
**(Electric Telephone) AA**

**Swedish-American Telephone**  
**Co., 71 W. Jackson Boul.**  
**(Electric Telephone) ...A**

**Western Electric Co., 259 S.**  
**Clinton (Electric).....AAAA**

**Wolf Co., Fred. A., 139 Rees**  
**(Ammonia) .....AAA**

**WYD.—Fort Wayne**  
 Kerr-Murray Mfg. Co. (Gas)  
 A

**CONDENSERS (Con.)**

**IND.—Lafayette**  
Sterling Electric Co. (Electric Telephone) .....A

**IND.—Muncie**  
Warner Electric Co. (Electric) .....C

**IOWA—Burlington**  
Murray Iron Wks. (Steam Engine) .....A

**KANS.—Fort Scott**  
Fort Scott Fdy. & Mach. Co. (C. Eller) .....H

**KY.—Louisville**  
National Fdy. & Mach. Co. (Steam) .....B

**MD.—Baltimore**  
Bartlett, Hayward & Co. (Gas) .....AAA

**MASS.—Fitchburg**  
Blake Steam Pump Co. W. H. (Independent Steam; Air) .....E

**MASS.—Springfield**  
Springfield Elev. & Pump Co. (Steam) .....B

**MASS.—Taunton**  
Taunton Locomotive Mfg. Co. (Steam) .....AA

**MASS.—Waltham**  
Davis & Farnum Mfg. Co. (Gas Works) .....B

**MASS.—Warren**  
Warren Steam Pump Co. (Steam) .....B

**MASS.—Worcester**  
American Card Clothing Co. (Apron; Roll) .....AAA

**MICH.—Detroit**  
Great Lake Engineering Works (Steam) .....A

**MICH.—Manistee**  
Manistee Iron Works Co. (Steam Engine) .....B

**MINN.—Minneapolis**  
Minneapolis Steel & Mchy. Co. (Steam) .....A

Twin City Iron Works (Br. Minn. Steel & Mchy. Co.) (Steam Engine) .....A

**N. J.—Garwood**  
Beekley & Son, A. J. (Br. N. Y. City) (Amalgam) .....D

**N. J.—Jersey City**  
Conover Mfg. Co., Princeton Av. (Steam Jet) .....D

Flynn, W. S., 74 Hudson (Steam) .....D

**N. J.—Trenton**  
Throop Sons' Co., John E. (Steam) .....A

**N. Y.—Brooklyn**  
Continental Iron Works (Steam Engine) .....A

Guild & Garrison (Steam Engine) .....AA

**N. Y.—Buffalo**  
Stewart Heater Co. (Steam) .....D

**New York City**  
Alberger Condenser Co., 95 Liberty (Barometric; Surface; Steam Jet; Self-Closing, &c.) .....X

Bunnell & Co., J. H., 20 Park Pl. (Electric) .....A

Colwell, A. W. ....A

Deeley & Co., Robt. ....A

Floyd's Sons, James R. (Gas Works) .....A

Foote, Pearson & Co., 82 Fulton (Electric) .....D

International Steam Pump Co., 114 Liberty (Steam) .....AAAA

Isbell-Porter Co., 245 B'way (Gas) .....AA

Kelley & Son, B. F., 91 Liberty (Steam) .....B

Wheeler Condenser & Engineering Co., 120 Liberty (Steam; Surface) .....A

Willyoung, Elmer G., 11 Frankfort (Electric) ...F

Worthington Pumping Engine Co. (Br. Internatl. Steam Pump Co.) (Steam Engine) .....AAAA

**N. Y.—North Tonawanda**  
Buffalo Steam Pump Co. (Steam; Jet; Surface, &c.) .....A

**N. Y.—Rochester**  
Stromberg - Carlson Tele-

**CONDENSERS (Con.)**

phone Mfg. Co. (Electric Telephone) .....AAA

**N. Y.—Rome**  
Doyle, W. J. (Ale) .....E

**N. Y.—Schenectady**  
General Electric Co. (Electric) .....AAAA

**OHIO—Cincinnati**  
Electric Railway Equipment Co. (Electric) .....A

Laidlaw-Dunn-Gordon Co. (Br. Int. Steam Pump Co., N. Y. City) (Jet; Combined; Independent) .....AAAA

McGowan Co., John H. (Steam) .....A

Stacey Mfg. Co., 239 Mill (Gas) .....A

Triumph Ice Mach. Co., 610 Baymiller (Ice Machine) .....A

Tudor Boiler Mfg. Co. (Steam) .....B

**OHIO—Cleveland**  
Snider-Hughes Co. (Steam) .....B

**OHIO—Mt. Vernon**  
Cooper Co., C. & G. (Steam, for large plants) .....AA

**OHIO—Upper Sandusky**  
National Steam Pump Co. (Steam) .....C

**OHIO—Youngstown**  
Pollock Co., W. B. (Steam) .....B

**OHIO—Zanesville**  
Griffith & Wedge Co. (Amalgam) .....A

**PA.—Bridgeport**  
Wilkinson Mfg. Co. (Steam) .....C

**PA.—Carbondale**  
Carbondale Machine Co. (Ammonia) .....AA

**PA.—Harrisburg**  
Harrisburg Pipe & Pipe Bending Co. (Ammonia) .....AA

**PA.—Philadelphia**  
Barr Pumping Engine Co. (Steam) .....A

Biddle, James G. (Electric; Electric Telephone) ...C

Electro Dynamic Co. of Phila. (Electric) .....A

Eynon-Evans Mfg. Co. (Steam) .....B

Furbush & Son Mach Co., C. A. (Apron; Roll)....A

Philadelphia Engineering Works (& Air Pumps; Independent) .....A

Queen & Co., 1010 Chestnut (Electric) .....AA

Schutte & Co., L., 1251 N. 12th (Steam) .....X

Shaw, Thomas, 1419 Robinson (Steam Engine)....A

Southwark Fdy. & Mach. Co. (Steam) .....AAA

Wood & Co., R. D. (Gas; Steam) .....AAAA

**PA.—Pittsburg**  
Epping-Carpenter Co. (Ammonia) .....A

Ritter-Conley Mfg. Co. (Steam Engine) .....AAA

**PA.—Warren**  
Struthers, Wells & Co. (Oil Refinery) .....AA

**WIS.—Milwaukee**  
Allis-Chalmers Co. (& Air Pumps, Combined; Air Pumps, Independent) .....AAAA

Filer & Stowell Co. (Ltd.) (Jet; Steam; Air Pumps, Combined; Independent) .....AAA

Nordberg Mfg. Co. (Steam) .....AA

**CONDIMENTS & RELISHES**

**ARK.—Ft. Smith**  
Okla. Vinegar Co. (Catsup; Mustard; Sauces) .....C

**ARK.—Springdale**  
Springdale Canning Co. (Catsup) .....F

**CONDIMENTS &C.**

**CAL.—Los Angeles**  
Pioneer Green Chili Packing Co. (Sauces) .....A  
**CAL.—Reedsburg**  
Ramsey & Co., S. (Horse Radish) .....B  
**CAL.—San Francisco**  
Burr & Co., C. C. (Prepared Mustard) .....A  
California Packing Co. (Celery Salt; Salad Dressing; Sauces) .....A  
Fisher Packing Co., 509 Commercial (Catsup; Mustard; Sauces) .....C  
Ghiradelli & Co. (Cake; Flour Mustard) .....AA  
Loeffler, John, 422 5th (Horse Radish; Salad Dressing; Sauces) ....C  
Pacific Preserve Co., 1200 Battery (Catsup) .....E  
Pacific Vinegar & Pickle Works, 122 Davis (Catsup; Sauces; Horse Radish; Salad Dressing; Prepared Mustard) .....A  
Phila. Mfg. Co., 431 7th (Catsup; Prepared Mustard; Horse Radish; Sauces) .....C  
Sherwood & Sherwood (Prepared Mustard Agts.) AAA  
South End Pickle Works (Sauces) .....C  
**COLO.—Denver**  
Beebe-Cravel Pickle Co. (Sauces) .....C  
Cannon, W. F. (Sauces) ..D  
**COLO.—Longmont**  
Empson Packing Co. (Catsup; Sauces) .....A  
**CONN.—Guilford**  
Knowles-Lombard Co. (Catsup) .....D  
**CONN.—Hartford**  
Fitzgerald, R. N. (Sauces) B  
**CONN.—New Haven**  
Doyle Co., J. T. (Catsup) ..D  
**CONN.—Windsor**  
Ellsworth & Filley (Catsup) A  
**D. C.—Washington**  
Mundell Hygela Relish Co. B  
**GA.—Atlanta**  
Cold Springs Packing Co. (Sauces) .....D  
**ILL.—Bloomington**  
Bloomington Cider & Vinegar Co. ....C  
**ILL.—Chicago**  
Atwood & Steele (Celery Salt; Salad Dressing) ...C  
Bause Bros., 799 W. 14th (Catsup) .....E  
Clausen & Sons, C. F., W. Av. Boul. & 52d (Catsup; Mustard) .....A  
Darby, B. L., 681 W. Lake (Catsup) .....F  
Dickinson Co., A. (Mustard) AA  
Dress & Co., P. J. (Horse Radish) .....D  
Huss-Edler Preserve Co., 75 W. Kinzie (Catsup; Salad Dressing; Horse Radish; "Mustomat"; Mustard) ..B  
My Wife's Salad Dressing Co. ....D  
Paprica Sauce Mfg. Co. (Sauces) .....B  
Publ-Webb Co., 119 W. Randolph (Catsup; Salad Dressing; Sauces; Mustard) .....C  
Reid, Murdock & Co., Lake & Market (Salad Dressing) .....AAAA  
Sherman Bros. & Co. (Mustard) .....A  
Wichert Co., H., 1205 S. Paulina (Catsup; Mustard) .....C  
**ILL.—East St. Louis**  
Triumph Catsup & Pickle Co. (Catsup) .....X  
**ILL.—Peoria**  
Central City Pickle Co.

**CONDIMENTS &C.**

(Sauces; Mustard) ....D  
**ILL.—Petersburg**  
Va. Canning Co. (Catsup) ..D  
**ILL.—Woodstock**  
Dingee, Squire Co. (Sauces) AA  
**IND.—Brookville**  
Brookville Mfg. Co. (Catsup) .....B  
**IND.—Churubusco**  
Gandy & Co., O. (Catsup) ..A  
**IND.—Greenwood**  
Polk Co., J. T. (Catsup) ..AA  
**IND.—Indianapolis**  
Columbia Conserve Co., S. Meridian & Belt Av. (Catsup; Salad Dressing) ...A  
Faulkner-Webb Co. (Sauces) D  
Huffman Packing Co. (Sauces) .....C  
Van Camp Packing Co., 600 Ky. Av. (Catsup; Sauces) AA  
**IND.—Lafayette**  
Heinz Co. (Horse Radish; Prep. Mustard) .....A  
**IND.—Michigan City**  
Old English Chutney Works E  
**IOWA.—Davenport**  
Davenport Vinegar & Pickle Works (Sauces) .....D  
**IOWA.—Dubuque**  
Toussant-Trexler Company (Sauces) .....D  
**IOWA.—Glenwood**  
New Glenwood Canning Co. (Catsup) .....C  
**IOWA.—Keokuk**  
Keokuk Canning Co. (Catsup; Sauces) .....A  
Keokuk Pickle Co. (Catsup; Mustard; Sauces) .....B  
**KY.—Louisville**  
Gast & Crofts, 1004 W. Main (Catsup; Sauces) ..B  
Hirsch Bros. & Co., 700 14th (Catsup; Sauces) .....B  
Price & Lucas Cider & Vinegar Co. (Catsup; Mustard; Sauces) .....A  
Thornton & Co., R. J. (Prepared Mustard) .....A  
**KY.—Owensboro**  
Blue Grass Canning Co. (Catsup) .....B  
**LA.—New Iberia**  
McIlhenny's Sons, E. (Tabasco Sauce) .....B  
**LA.—New Orleans**  
Erath, E. C. (Sauces) ....D  
King & Saint, 210 St. Peters (Sauces) .....D  
**MAINE.—Portland**  
Pettingill Co., E. D. (Catsup; Mustard; Horse Radish) .....B  
**MD.—Baltimore**  
Gibbs Preserving Co., 2305 Boston (Catsup) .....AA  
McCormick & Co. (Mustard) C  
Parrish Bros. (Mustard) ..B  
Van Lill Preserving Co., 108 Concord (Catsup; Mustard; Sauces) .....B  
**MASS.—Boston**  
Bell Co., W. G. (Sauces) ..D  
Halford Sauce Co. (Sauces) C  
Sherman Mfg. Co. (Sauces) C  
Skilton, Foote & Co. (Horse Radish; Salad Dressing; Sauces) .....A  
Slade Co., D. & L. (Celery Salt; Prep. Mustard) ...A  
Stickney & Poore Spice Co. (Celery Salt; Prepared Mustard) .....AA  
**MASS.—Chelsea**  
Slade Co., D. & L. (Celery Salt; Prep. Mustard) ..A  
**MASS.—Springfield**  
Castle, W. A. (Salad Dressing) .....B  
**MICH.—Detroit**  
Horton-Cato Mfg. Co. (Salad Dressing; Sauces) .....D  
Johnson, T. H. (Horse Radish) .....D

# CONDIMENTS 40.

Phelps, Brace & Co.  
(Sauces) .....AA  
Vaughn Co., W. W. (Cat-  
sup; Mustard; Sauces) ..B  
Williams Bros. Co. (Cat-  
sup; Mustard) .....A  
**MICH.—Marshall**  
Scribner Co., A. E. (Catsup;  
Mustard) .....D  
**MICH.—Munroe**  
Floral City Preserving Co.  
(Catsup) .....D  
**MICH.—Baginaw**  
U. S. Horse Radish Co. ....D  
**MICH.—South Haven**  
Dunkley Co. (Celery Salt;  
Celery Mustard) .....B  
**MICH.—West Bay City**  
Beubel Pickling & Canning  
Co. (Sauces) .....A  
**MINN.—Minneapolis**  
Gedney Pickling Co., M. A.  
(Horse Radish; Mustard;  
Sauces) .....A  
**MINN.—St. Paul**  
Gedney Pickling Co., M. A.  
(Horse Radish; Mustard;  
Sauces) .....A  
**MO.—St. Louis**  
Bayle, G. A., 113 S. 2d  
(Catsup; Salad Dressing;  
Celery Salt; Sauces; Mus-  
tard) .....B  
Dodson - Braun Mfg. Co.  
(Catsup) .....AA  
Eddy & Eddy (Sauces) ..AA  
**NEBR.—Omaha**  
Haarman Bros. (Catsup;  
Mustard; Sauces) .....B  
**N. J.—Bridgeton**  
Brady Co., J. F. (Catsup) .C  
**N. J.—Camden**  
Campbell Preserving Co.  
(Catsup; Salad Dressing)  
AA  
**N. J.—Mt. Holly**  
Chances' Sons, R. C.  
(Sauces) .....C  
**N. J.—Newark**  
Hallock, Denton & Co.  
(Sauces) .....B  
**N. Y.—Brooklyn**  
Garrett-Bergen Co., 45 New-  
ell (Catsup; Mustard;  
Sauces) .....C  
Green & Sons, J. H.  
(Sauces) .....D  
Taft Bros. (Mustard) ....C  
Voss, H. F., 68 Washn. Av.  
(Catsup; Sauces) .....D  
**N. Y.—Buffalo**  
Brennison & Son, F. (Horse  
Radish) .....B  
Buffalo Vinegar & Preserv-  
ing Co. (Sauces; Mustard)  
B  
Erie Preserving Co. (Cat-  
sup; Celery Salt) ..AAAA  
Gentsch's Son, B. F. (Mus-  
tard; Sauces) .....C  
Hasselbeck, M. (Prepared  
Mustard) .....B  
Kilpfel Vinegar Co. (Mus-  
tard; Sauces) .....D  
McCready, Mrs. J. T.  
(Sauces) .....D  
Mersman, F. (Prepared Mus-  
tard) .....B  
**N. Y.—Islip**  
Islip Mustard & Pickle Co.  
(Mustard) .....C  
**New York City**  
Alart & McGuire, 70 Madi-  
son .....A  
Ams, Max., 372 Greenwich  
AA  
Archibald & Lewis (Mus-  
tard) .....C  
Bennecke & Bro., E.  
(Sauces) .....AA  
Burton & Co., W. (Celery  
Salt) .....B  
Cohen & Co., W. H.  
(Sauces) .....C  
Dean & Son, W. G. (Prep.  
Mustard) .....A  
Duncan Sons', John (Sauces)  
AAAA  
Durkee & Co., E. R. ....AA  
Evans & Sons (Ltd.)  
(Sauces) .....A  
Fischer & Co., B. (Prepared

# CONDIMENTS 40.

(Mustard) .....AAAA  
Fitzpatrick & Co., A. C.  
(Salad Dressing) .....B  
Fuerst Bros. & Co. (Salad  
Dressing) .....B  
Gillies & Co., E. J. (Prep.  
Mustard) .....AA  
Gordon & Dilworth, 563  
Greenwich (Catsup) ....A  
Grueman, J. B. (Prep. Mus-  
tard) .....B  
Gulden, Chas., 46 Eliza-  
beth (Catsup; Mustard;  
Salad Dressing; Sauces)  
AA  
Hayes & Co., Jas. A. (Mus-  
tard) .....A  
Hazard & Co., E. C., 117  
Hudson (Catsup) ....AA  
Heins Co., H. J. (Horse  
Radish; Catsup, &c.)  
AAAA  
Israel & Bro., C. (Salad  
Dressing) .....B  
Luedemann, A. (Prep. Mus-  
tard) .....A  
Manheimer & Eben (Salad  
Dressing) .....C  
Mason & Co., J. (Sauces) .D  
Moos & Co. (Salad Dressing)  
D  
Seville Packing Co. (Sauces)  
B  
Sherwood, C. K., 141 Frank-  
lin (Catsup; Sauces) ....B  
Smith & Co., Jas. P. (Mus-  
tard) .....AAA  
Snider Preserving Co.  
(Sauces, &c.) .....A  
Soper & Co., A. C., 156  
Maiden Lane (Sauces) ...D  
Taft Bros. (Cake; Oil Mus-  
tard) .....C  
Tyler & Finch Co. (Mustard  
Seed) .....A  
Williams Bros. Co., 105  
Hudson (Catsup; Sauces;  
Mustard) .....A  
**N. Y.—Rochester**  
Clark & Co., W. N. (Chili  
Sauce; Relishes) .....D  
Curtice Bros. Co. (Catsup)  
AA  
French Co., R. T. (French  
Mustard) .....A  
**N. Y.—Skaneateles**  
Skaneateles Kraut Co.  
(Sauces) .....D  
**OHIO—Akron**  
Smith Bros. (Salad Dress-  
ing) .....B  
**OHIO—Barnesville**  
Barnesville Canning & Pack-  
ing Co. (Catsup) .....D  
**OHIO—Cincinnati**  
Derham, S. G., 204 Sycam-  
ore (Sauces) .....D  
Droste & Co., H. R. (Mus-  
tard) .....A  
Harrison & Co., W. H.  
(Mustard) .....C  
Lippincott & Cree Co., 42  
Main (Catsup) .....D  
London, O. F., Court & Sy-  
camore (Catsup) .....C  
Miller Vinegar & Pickle Co.,  
1272 Harrison Av. (Cat-  
sup; Mustard; Sauces) ..C  
National Pure Food Co., 920  
Sycamore (Catsup) ....C  
Ritter Conserve Co., P. J.,  
32 W. Court (Catsup) ..A  
Snider Pres. Co., T. A., 209  
Sycamore (Catsup;  
Sauces) .....A  
Spencer & Son, W. M., 324  
E. 2d (Catsup; Sauces) .D  
Ullman, Dreifus & Co.  
(Sauces) .....B  
Weller Co., J., Spring Grove  
& Ala. Av. ....A  
**OHIO—Cleveland**  
Heinz Co., H. J. ....AAAA  
**OHIO—Columbus**  
Andrus, Scofield & Co., 42  
W. State (Sauces; Mus-  
tard) .....C  
Citizens' Whol. Supply Co.  
(Celery Salt) .....D  
**OHIO—Creston**  
Lutz & Schramm Co. (Horse  
Radish; Mustard) .....A



**CONDIMENTS &C.**

**OHIO**—Toledo  
Pepsin Relish Co. (Sauces; Salad Dressing) .....D  
**OHIO**—Van Wert  
Royal Packing Co. (Sauces) .....D  
**OHIO**—Wooster  
Wooster Pres. Co. (Catsup) .....B  
**PA.**—Allegheny  
Lutz & Schramm Co. (Horse Radish; Mustard; Salad Dressing) .....AA  
**PA.**—Erie  
Werner Vinegar & Pickling Co. (Horse Radish; Prep. Mustard; Sauces) .....A  
**PA.**—Philadelphia  
Alart & McGulre, 126 Cuthbert (Catsup; Dressing; Sauces; Mustard) .....A  
American Preserve Co., 946 Beach (Catsup) .....A  
Chance's Sons, R. C., 433 Spruce (Catsup; Prepared Mustard; Sauces) .....C  
Clawson Co. (Celery Salt) .....C  
Colbourn Co., A. (Ltd.) (Sauces; Prep. Mustard) .....AA  
Harvey, T. D. (Sauces) .....D  
Keystone Mustard & Pickle Works, 110 Spruce (Horse Radish; Sauces) .....D  
Phila. Pickling Co., 262 S. 2d (Sauces; Prep. Mustard) .....D  
Philadelphia Vinegar Co. (Mustard) .....B  
Read & Co., H. (Sauces) .....D  
Ritter Conserve Co., P. J., 309 Green (Catsup; Prep. Mustard; Sauces) .....A  
Welkel & Smith Spice Co. (Celery Salt; Prep. Mustard) .....A  
**PA.**—Pittsburg  
Heinz Co., H. J. ....AAAA  
Hirsch Bros. & Co., 59 Carson (Sauces; Mustard) .....B  
**R. I.**—East Providence  
Huntington Maple Syrup & Sugar Co. (Celery Salt) .....D  
**S. C.**—Waccaman  
Donaldson Bros. (Tabasco) .....C

**TEXAS**—Dallas

Hughes Bros. Mfg. Co. (Catsup; Sauces) .....A

**W. VA.**—Wellsburg

Central Supply Co. (Mustard) .....B

**W. VA.**—Wheeling

Exley, Watkins & Co. (Catsup; Prep. Mustard; Celery Salt; Sauces) .....B

Flaccus Bros. (Catsup; Prep. Mustard) .....A

Flaccus Co., S. C. (Catsup; Mustard; Sauces) .....C

McMechen & Son, G. K. (Catsup; Prep. Mustard; Sauces) .....A

**WIS.**—Manitowoc  
Richter & Sons, A. M. (Mustard) .....C

**WIS.**—Milwaukee  
American Vinegar & Pickle Co. (Mustard) .....C

Jewett & Sherman Co. (Mustard) .....A

Pahl & Co., E. R. (Horse Radish) .....D

**WIS.**—Ripon  
Ripon Packing Co. (Catsup; Sauces) .....C

**CONDUCTORS**

**ILL.**—Sterling  
Novelty Iron Wks. (Water) .....E

**MASS.**—Boston  
Stearns Lumber Co., A. T. ....AA

Van Noorden & Co., E. (Roof Water) .....C

**MASS.**—Worcester  
Cummings, J. B. (Corrugated) .....D

**New York City**  
Wheeling Corrugating Co.

**CONDUCTORS (Con.)**

(Roof Water) ....AAAA

**OHIO**—Cleveland  
Garry Iron & Steel Co. (Pipe) .....A

**OHIO**—Piqua  
Standard Mfg. Co. (Elbow) .....X

**PA.**—Philadelphia  
Merchant & Co., 517 Arch (Pipe) .....AA

Opdyke, Benj. P., 218 New (Corrugated) .....A

**WIS.**—Milwaukee  
Bursach & Niedermeyer Co. (Galvanized Iron) .....B

**CONDUITS**

**DEL.**—Wilmington  
Delaware Hard Fibre Co. (Fibre) .....A

**D. C.**—Washington  
Potomac Terra Cotta Co. (Vitrified Salt Glazed Terra Cotta) .....B

**GA.**—Macon  
Stevens Sons' Co., H. (Clay for Tel. & Tile Lines; Electrical) .....A

**ILL.**—Chicago  
Pioneer Fire Proofing Co., 204 Dearborn .....AA

Walworth & Neville Mfg. Co., 84 Van Buren (Creosoted Pine) .....AA

**IND.**—Brazil  
McRoy Clay Works (Vitrified Clay) .....X

**IND.**—Indianapolis  
Edgecombe Co. (Pipe Joint) .....D

**KANS.**—Pittsburg  
Pittsburg Sewer Pipe & Conduit Co. (Vitrified Salt Glazed) .....B

**MASS.**—Boston  
Clifton Mfg. Co. ....B

Cunningham Iron Co. (Wrought Iron) .....B

**MASS.**—Chelsea  
American Circular Loom Co. (Flexible Interior; Electrical) .....A

**MICH.**—Bay City  
Michigan Pipe Co. (Creosoted Wood; Electrical) .....AA

**MO.**—St. Louis  
Blackmer & Post Pipe Co. (Electrical) .....AA

Evans & Howard Fire Brick Co. (Clay) .....AAAA

**New York City**  
Alphaduct Mfg. Co., 522 W. 22d (Fireproof Fibre Flexible Interior) .....B

American Vitrified Conduit Co., 170 B'way (Vitrified Salt Glazed, interior & underground) .....B

Camp Co., H. B., 170 B'way (Vitrified Clay) .....A

Eppinger & Russell Co., 66 Broad (Wooden) .....X

Federal Clay Mfg. Co., 170 B'way (Vitrified Clay) .....B

National Conduit & Cable Co., 41 Park Row .....AAAA

Osborn Flexible Conduit Co., 15 Park Row (Flexible) .....B

Sprague Electric Co. (Electrical) .....AAAA

**N. Y.**—Orangeburg  
Fibre Conduit Co. (Fibre) .....B

**N. Y.**—Rochester  
Standard Sewer Pipe Co. (Clay; Camp; Electrical) .....A

**N. Y.**—Schenectady  
General Electric Co. ....AAAA

**PA.**—Catasaqua  
Davis & Thomas Co. (Cast Iron) .....AA

**PA.**—New Kensington  
American Conduit Mfg. Co. (Electric Wire) .....D

**PA.**—Philadelphia  
Rittenhouse - Miller Co., Witherspoon Bldg. (Flexible Waterproof Interior) .....D

**CONDUITS (Con.)**

PA.—Pittsburg  
American Sewer Pipe Co.,  
2d National Bank Bldg.  
AAAA  
National Fire Proofing Co.  
(Vitrified Glazed)...AAAA  
Safety—Armorite Conduit  
Co., Frick Bldg. (Iron Arm-  
ored Flexible Metallic  
Interior) .....AA  
U. S. Fireproofing Corpora-  
tion, 326 4th Av. (Clay)...X  
TENN.—Chattanooga  
Montague & Co. (Clay)...A

**CONES**

CONN.—Hartford  
Hartford Mach. Screw Co.  
(Bicycle) .....AAAA  
CONN.—Seymour  
Matthews Mfg. Co., H. A.  
(Bicycle) .....B  
ILL.—Carpenterville  
Illinois Iron & Bolt Co.  
(Blacksmiths') .....AA  
ILL.—Chicago  
Chicago Screw Co. (Bicycle)  
AA  
MD.—Baltimore  
Poole & Son Co., Robt.  
(Wire Rope) .....A  
N. Y.—Buffalo  
Crosby Co. (Ball Bearing)  
A  
OHIO—Elyria  
Western Automatic Mach.  
Screw Co. (Bicycle)...AA  
PA.—Bangor  
Flory Mfg. Co., S. (Log-  
ging) .....A  
PA.—Wilkesbarre  
Vulcan Iron Works (Wire  
Rope) .....AAAA  
VT.—East Corinth  
Jackman Co. (Evener; Knit-  
ter Evener) .....E

**CONFECTION-  
ERY**

ALA.—Mobile  
Stolla, L. C. (Mfr.; Job.)...C  
ALA.—Montgomery  
Manegold & Co., J. ....C  
ARK.—Little Rock  
Karcher Candy Co., A....C  
CAL.—Los Angeles  
Bishop & Co. (Crys. Fruit)  
AA  
Christopher & Sparks, 241  
S. Spring .....B  
Kahn-Beck Co., 465 Aliso  
(Mfg.) .....C  
Southern California Cracker  
Co. ....B  
CAL.—San Francisco  
Gruen hagen Bros., 20  
Kearny .....C  
Haas & Son, G., 810 Market  
A  
Hromada, A., 220 Battery  
B  
Maskey, F., 32 Kearny....A  
Pacific Coast Biscuit Co.,  
2d. & Folsom .....AA  
Roberts & Co., G. F., Bush  
& Polk .....C  
Rothschild & Ehrensport,  
33 Main .....A  
Saroni, Louis (Br. P. C.  
Bis. Co.) .....A  
Seidl & Co., J., 658 Mission  
C  
Thain Bros., 781 Market...C  
Townsend, W. S., 715 Mar-  
ket .....C  
COLO.—Denver  
Baur & Co., O. P., 1512 Cur-  
tis .....B  
Hewitt Candy Co., 1613 Mar-  
ket (W. & M.) .....A  
Nevin & Co., W. C., 1641  
Blake .....B  
Sauer Mfg. Co., C. L., 1385  
Market (Mfg.; Job.)...C  
CONN.—Bridgeport  
Lane & Booth .....C  
N. E. Peanut Taffy Co....C  
CONN.—Hartford  
Backes, F. W. ....A

**CONFECTIONERY**

Hoadley, E. J. ....A  
CONN.—New Haven  
Hillman, H. ....C  
CONN.—Norwich  
Perkins, J. C. ....B  
CONN.—Waterbury  
Trott Baking Co. ....C  
DEL.—Wilmington  
Morrow & Son, J. ....A  
D. C.—Washington  
Mueller, G. J., 336 Pa. Av.,  
N. W. ....B  
GA.—Atlanta  
Atlanta Steam Candy Fac-  
tory .....B  
Johnson, G. E. ....C  
Numally Co. (The).....C  
Schlessinger, H. L. (W. &  
Mfg.) .....B  
GA.—Augusta  
Clark Candy Co. ....B  
Claussen, H. H. ....C  
GA.—Savannah  
Furber, J. H. ....C  
ILL.—Aurora  
Mason Factory (Br. N. B.  
Co.) .....AAAA  
ILL.—Bloomington  
Bloomington Caramel Co...B  
ILL.—Chicago  
Bunte, Spoehr & Co., 189  
W. Monroe .....AA  
Dawson Co., Martin (The),  
1520 State .....B  
Farley Branch National  
Candy Co., 180 E. Supe-  
rior .....AAAA  
Frank & Co., G., 181 La  
Salle .....B  
Fritsch & Williams, 85 On-  
tario .....C  
Gottman & Kretschmer, 158  
W. Jack. Boul. ....C  
Guest-Sullivan Candy Co.,  
11951 S. Halsted .....C  
Gunther, C. F., 212 State  
AAA  
Kehoe & Co., 45 Lake....A  
Kranz, John, 74 Randolph  
AAAA  
Lowney Co., W. M., 45  
Wabash Av. ....B  
Lyon & Co., 51 S. Union...A  
Manierre-Yoe Syrup Co., 30  
River (Rock Candy)...B  
Morris & Gottman, 158 W.  
Jackson Boul. ....B  
National Biscuit Co. ....AAAA  
Pan Conf. Co., 248 Illinois.A  
Rueckheim Bros. & Eck-  
stein, 261 S. Desplaines.A  
Shields & Co., M., 51 S.  
Jefferson .....A  
Slauson & Co., A., Unity  
Bldg. (Br. N. Y. City)...A  
Swanson, A. C., 92 State..B  
ILL.—Danville  
Feldkamp Candy Co. ....C  
Shields & Co., M. (Br. Chi-  
cago) .....A  
ILL.—Quincy  
Clark & Morgan .....C  
Quincy Confec. Co. (W. &  
Mfg.) .....C  
ILL.—Rockford  
Leonard & Ward .....C  
ILL.—Rock Island  
Gansert, W. S. ....B  
IND.—Brookville  
Brookville Mfg. Co. ....B  
IND.—Evansville  
Herman, H. ....C  
IND.—Ft. Wayne  
Fox Bakery (Br. Nat. B.  
Co., Chicago) .....AAAA  
Helt-Miller-Lau Co. ....C  
IND.—Indianapolis  
Daggett Factory (National  
Candy Co.) 18 W. Ga.  
AAAA  
Darmody Co., J. F., 132 S.  
Penn .....C  
Nicholls-Krull Factory, 112  
S. Penn .....AAAA  
IND.—Lafayette  
Lafayette Cracker & Confec.  
Co. ....B  
IND.—Terre Haute  
Mewhinney Co., A. B. (The)  
B  
IOWA—Burlington  
Clinton-Copeland Co. ....C

**CONFECTIONERY**

National Biscuit Co. (Br. Chicago) .....AAAA  
**IOWA—Council Bluffs**  
 Woodward & Co., J. G. ....C  
**IOWA—Davenport**  
 Roddewig-Schmidt Factory (Br. Natl. Bisc. Co., Chicago) .....AAAA  
**IOWA—Dubuque**  
 Lawther & Co., W. ....A  
**IOWA—Sioux City**  
 National Biscuit Co. ....AAAA  
 Shenkberg Co., C. ....AAAA  
**IOWA—Waterloo**  
 Dickson-Graff Co. (Mfrs. & Jobbers) .....C  
**KANS.—Atchison**  
 Hausner Merc. Co., H. ....B  
**KANS.—Salina**  
 Salina Candy Co. (Whol. & Mfg.) .....C  
**KY.—Louisville**  
 Bradas & Gheens .....C  
 Klein & Son .....A  
 Menne Factory, F. A. (Natl. Candy Co.) .....AAAA  
**LA.—New Orleans**  
 Biedenbarn-Burnett Candy Co. (Ltd.) .....C  
 Domecq & Son, Julius, 835 Canal .....B  
 Jaeger & De Pass, 535 Magazine .....B  
 Nelson & Berdon Candy Co., 323 Magazine .....C  
**LA.—Shreveport**  
 Rose Merc. & Mfg. Co., Ltd. A  
**MAINE—Auburn**  
 Huston & Co., T. A. (Mfg.) B  
**MAINE—Belfast**  
 Pierce & Co., G. G. ....C  
**MAINE—Portland**  
 Sawyer, G. E. (W. & R.) .C  
 Shaw & Co., G. C. ....B  
**MD.—Baltimore**  
 Baltimore Candy Co., 306 Spears' Wharf .....C  
 Birkmeyer & Sons, J. F., 868 W. Baltimore .....C  
 Blome & Son Co., G. (The) 617 W. Baltimore .....A  
 Blue Ribbon Candy Co., 749 W. Pratt .....A  
 Clarke & Jones, 17 Light AA  
 Darby Candy Co. (The), 700 Hillen .....C  
 Foos, F. E., 1505 W. Baltimore .....B  
 Gibbs Candy Co., 2319 Boston .....AA  
 Headley Choco. Co., 11 S. Frederick .....C  
 Lauer & Suter, Lombard & Frederick .....A  
 Maryland Mfg. & Candy Co., 115 South .....B  
 Pfell Mfg. Co., H. (The), 557 Robert .....B  
 Pracht & Co., C., 406 Franklin .....B  
 Stolpp Fred C., 311 W. Saratoga .....B  
**MD.—Frederick**  
 McCardell, A. C. ....B  
**MASS.—Boston**  
 Aldrich & Smith, 21 Portland .....A  
 Eagle Candy Co., 460 Harrison Av. ....AAAA  
 Foss & Co., H. D., 87 Union (Mfg.) .....C  
 Hildreth, H. L., 42 Battery-march .....A  
 Lewis, E. P., 36 Portland..C  
 Lowney Co., W. M. (The), 447 Commercial .....A  
 New England Confectionery Co., 253 Summer .....AA  
 Schrafft & Sons, W. F., 94 Portland Av. ....C  
 Stuber Co., E. W., Barristers' Hall (Mfg.) .....A  
 Trowbridge Chocolate Chip Co., 142 Commercial ..B  
 Wenz, H., 9 Harcourt....C  
**MASS.—Brockton**  
 Washburn & Co., F. B....A  
**MASS.—Cambridge**  
 Am. Confec. Co. ....A

**CONFECTIONERY**

Bay State Confec. Co. ....B  
 Bell Confec. Co., J. S. (Mfg.) .....C  
 Clark & Co., B. P. ....C  
 Close Co., George .....C  
 Hazen Co., D. M. ....C  
 Russell & Co. ....C  
 Sparrow Co., H. F. ....A  
 Stuber Co., E. W. ....A  
**MASS.—North Adams**  
 Sperry & Co., W. H. ....A  
**MASS.—Peabody**  
 Pepper Co. (W. Mfg.)....B  
**MASS.—Springfield**  
 Kibbe Bros. Co. ....A  
**MICH.—Adrian**  
 Moreland Bros. & Crane...B  
**MICH.—Battle Creek**  
 Honey Comb Choco. Chip Co. B  
 Purity Confec. Co. ....A  
**MICH.—Detroit**  
 Gray, Tornton & Fox Factory (Natl. Candy Co.) .....AAAA  
**MICH.—Grand Rapids**  
 Brooks & Co., A. E. ....C  
 Putnam Factory (Natl. Candy Co.) .....AAAA  
**MICH.—Kalamazoo**  
 Hanselman Candy Co. ....C  
**MINN.—Faribault**  
 Theopold, Morris & Co. (Mfg.) .....A  
**MINN.—Mankato**  
 Rosenberger & Currier ....C  
**MINN.—Minneapolis**  
 Lillibridge-Bremner Factory (Br. National Biscuit Co.) .....AAAA  
 McKusick-Towle Co., 1st & 3d Av. (Mfg.) .....B  
 Paris-Murton Co., 29 N. 2d B  
**MINN.—St. Paul**  
 McFadden Candy Co. (W. Mfg.) .....C  
 Menk Bros., 241 E. 6th...A  
 Roach Factory, J. H., 264 E. 6th (Natl. Candy Co.) .....AAAA  
 Ziegler-Egan Co., 55 E. 3d B  
**MINN.—Wadina**  
 Wadina Cracker Co. (Job.) O  
**MISS.—Meridian**  
 Lyon & Co., A. J. ....C  
**MO.—Kansas City**  
 Bliss Syrup Mfg. Co., 1329 St. Louis Av. (Rock Candy) .....B  
 Loose Bros. Factory, 200 Main (Natl. Biscuit Co.) .....AAAA  
**MO.—St. Joseph**  
 Douglas & Son, C. W. (W. Mfg.) .....B  
**MO.—St. Louis**  
 Blanke & Bro. Candy Co., 608 Market .....AA  
 Candy Bros. Mfg. Co., 215 Chestnut .....A  
 Hartman, C. A., 321 Clark Av. ....C  
 Oakes Candy Co., 303 N. B'way .....C  
 Peckham Factory, O. H., 7th & Spruce (Natl. Candy Co.) .....AAAA  
 Seward Factory, F. D., 523 N. Main (Natl. Candy Co.) .....AAAA  
 St. Louis Candy Mfg. Co., 9th & Gratiot .....B  
 Walter Factory, A. J., 114 Walnut (Natl. Candy Co.) .....AAAA  
 Wennecker - Morris Candy Co., 20 S. 3d. ....B  
**MONT.—Butte**  
 Morris & Co. ....C  
 Stromberg & Co., J. A....C  
**NEBR.—Omaha**  
 Voegel & Dinning.....A  
**N. H.—Concord**  
 Norris & Co., J. C. ....A  
**N. H.—Nashua**  
 Folman, C. V. (Lozenges).B  
**N. J.—Jersey City**  
 Causse Mfg. Co., A. L. (Candied Fruits) .....B

# CONFECTIONERY

**N. J.—Newark**  
 MacAndrews & Forbes (Lic-  
 orice) .....AAAA  
 Walsh & Co., R. ....B  
**N. Y.—Albany**  
 Colburn & Son, E. S. ....C  
**N. Y.—Brooklyn**  
 Dryden & Palmer, Bedford  
 Av. & N. 12th (Rock  
 Candy) .....A  
 Gardiner-Lucas Co., 52 Co-  
 lumbus Heights .....B  
 Kloster, A. A., 83 Fulton. C  
 Kuchler & Son, F. X., 248  
 Park Av. ....C  
 Mason, Au & Magenheimer,  
 22 Henry .....A  
 Matchett & Co., J. J., 890  
 Wythe Av. ....C  
 National Licorice Co., 375  
 Lorimer .....A  
 Standard Rock Candy Co.,  
 15 Rush .....B  
**N. Y.—Buffalo**  
 Buffalo Candy Co., 79 Elli-  
 cott (W. Mfrs.) .....AA  
 Burt & Sindale Factory, 113  
 Seneca (Natl. Candy Co.)  
 AAAA  
 Huyler's, 350 Main .....A  
 Menker Co., H. A., 67 Sen-  
 eca .....A  
 Sibley & Holmwood Factory,  
 149 Swan (Natl. Candy  
 Co.) .....AAAA  
**N. Y.—Malone**  
 Symonds & Allison .....C  
**New York City**  
 Auerbach & Sons, D., 334 W.  
 89th .....C  
 Carenou & Tur, 3 Union Sq.  
 B  
 Causse Mfg. Co., A. L., 105  
 Hudson .....B  
 Cella, G., 25 Wooster .....B  
 Cohen & Co., A. E., 18  
 Wooster .....B  
 Essing, A., 380 Pearl....C  
**New York City**  
 Gardiner-Lucas Co., 99  
 John .....B  
 Greek-Am. Confec. Co., 7  
 Marion .....C  
 Hawley & Hoops, 271 Mul-  
 berry .....AAA  
 Heide, H., 88 Vandam..AA  
 Helmstetter, G., 504 Broome  
 A  
 Hoefler & Co., C. M., 27  
 Wooster .....B  
 Humbert, F. J., 9 Wooster  
 C  
 Huyler's, 64 Irving Pl....A  
 Lertora, A., 7 Wooster..B  
 Maillard, H., 118 W. 25th  
 B  
 Ode & Gerbereux, 419 W.  
 B'way .....B  
 Powell, A. M., 152 Cham-  
 bers (Caramels) .....A  
 Ridley & Co., 255 Green-  
 wich .....B  
 Slauson & Co., A., 32 Dey  
 A  
 Smith, E., 154 G'wich....B  
 Stern & Saalberg, 311 W.  
 40th .....C  
 United Conf. Assn., 48 Jay  
 B  
 Wallace & Co., 160 Monroe  
 A  
**N. Y.—Poughkeepsie**  
 Smith Bros. (Cough Drops)  
 AA  
**N. Y.—Rochester**  
 Deininger Bros. ....B  
 Neun, H. P. (Mfg.) ....B  
 Rochester Candy Wks....A  
 Williams & Werner Co....B  
**N. Y.—Rockville Centre**  
 Long Island Confec. Co.  
 (Mfg.) .....C  
**N. Y.—Syracuse**  
 Young & Larrabee (Natl.  
 Biscuit Co.) .....AAAA  
**N. Y.—Utica**  
 Young Bakery, G. (The)..B  
**N. C.—Raleigh**  
 Royster & Bro., A. D....C  
**OHIO—Cincinnati**  
 Buhr, Pfaff Co., 2d. & Race  
 (W. Mfrs.) .....B

# CONFECTIONERY

Echert Co., P. (The), 25  
 W. Court .....A  
 Peebles Sons' Co., J. R.  
 (The), Government Sq...A  
 Reinhart, C. H., 51 Vine..C  
 Reinhart & Newton, 10 W.  
 2d. ....B  
 Sauerston & Brown, 920 Elm  
 B  
 Smith Co., H. D. (The), 206  
 Main .....B  
**OHIO—Cleveland**  
 Kraus' Sons, J., 127 Water  
 B  
 Kraus, L. G., 51 Woodland  
 Av. ....C  
**OHIO—Columbus**  
 Busy Bee Candy Kitchen  
 (The) .....A  
 Snyder, Chaffee & Co....B  
**OHIO—Lima**  
 Banta & Son, F. J. (W.  
 Mfg.) .....C  
**OHIO—Tiffin**  
 Harter & Co. ....C  
**OHIO—Toledo**  
 Banta-Lavey Co. ....C  
 Smith-Kirk Candy Co....C  
**OREGON—Portland**  
 Bishop & Co. ....A  
 Pacific Coast Biscuit Co.  
 AA  
**PA.—Gettysburg**  
 Gettysburg Confec. Co....C  
**PA.—Hazleton**  
 Schwartz Co., Wm. (Whol.  
 Mfg.) .....B  
**PA.—Johnstown**  
 Hinchman, J. V. ....C  
 Love & Sunshine Co....AA  
**PA.—Lancaster**  
 Adams, C. F. (W. & Mg.).C  
 Dosch, J. J. ....C  
 Hershey Choc. Co....AAAA  
**PA.—Lititz**  
 Kendig Mfg. Co. ....B  
**PA.—Meadville**  
 Trowbridge Choc. Chip Co.  
 B  
**PA.—Oxford**  
 Williams Caramel Co. ....B  
**PA.—Philadelphia**  
 Blank & Son, L., 1024 Chest-  
 nut .....B  
 Brandle & Smith, 9th &  
 Dauphin (Mfg.) .....C  
 Croft & Allen Co., 83d. &  
 Market .....AA  
 Lang & Son, W., 323 S.  
 Lawrence (Rock Candy)  
 B  
 Laurent & Sons, F., 1806  
 Chestnut .....B  
 Meyer, Herman, 844 N. 3d  
 B  
 Miller & Son Co., Geo., 255  
 S. 3d (Whol. Mfg.) ..AA  
 Miller & Son, J. M., 335  
 N. 3d (Whol. Mfg.)...A  
 Nuss & Co., H., 223 N. 18th  
 B  
 Pflaum, Jr., C., 2074 N.  
 4th .....B  
 Phila. Caramel Co., 1217  
 Beach .....C  
 Quaker City Choc. & Confec.  
 Co., 2148 G'town Av....A  
 Schappert & Levick, 205 N.  
 Front .....C  
 Smith & Peters, 483 N. 5th  
 B  
 Temple Confec. Co., 701  
 Spring Garden (Mfg.)..B  
 Whitman & Son, S. F., 606  
 Cherry .....A  
 Wunderle, P., 130 Pegg..AA  
**PA.—Pittsburg**  
 McClurg & Co., J., 414 6th  
 Av. ....AA  
 McKee Co., J. K., 711 Grant  
 (W. Job.) .....B  
 Novelty Candy Co., Grant.B  
 Ross, Shannon & Staving..A  
 Ward-Mackey Co., 3212 Lib-  
 erty Av. (Job.) .....A  
**PA.—Reading**  
 Reading Confec. Co.....B  
**PA.—Williamsport**  
 Williamsport Candy Mfg.  
 Co. ....C

## CONFECTIONERY

**PA.—York**  
 American Caramel Co. ...AA  
 York Candy Mfg. Co. ....C  
**S. C.—Charleston**  
 Claussen & Co., J. C. H. ...B  
**TENN.—Chattanooga**  
 Triggs, Dobbs & Co. ....A  
 Trotter Bros. ....A  
**TENN.—Clarksville**  
 Ely, E. B. ....C  
**TENN.—Memphis**  
 Heinrich & Co., J. J. ....O  
 Maer Mfg. Co. ....A  
 Novelty Candy Co. ....B  
**TENN.—Nashville**  
 Hoggins-Murkin Mfg. Co. ...C  
 Kemker-Woolwine Candy &  
 Cracker Co. ....B  
 Mitchell, C. ....B  
 Zickler & Co., G. ....C  
**TEXAS—Austin**  
 Austin Candy Mfg. Co. ...A  
**TEXAS—Fort Worth**  
 Ft. Worth Candy & Cracker  
 Co. ....C  
 Montgomery & Co. ....AA  
**TEXAS—Galveston**  
 Southern Coffee Co. ....C  
**TEXAS—Houston**  
 Helm, C. ....C  
**TEXAS—San Antonio**  
 Duerler Mfg. Co., G. A.  
 (Mfr. Pecan Candy Spec.)  
 A  
**UTAH—Ogden**  
 Shupe, Williams Candy Co.  
 C  
**UTAH—Salt Lake City**  
 McDonald Candy Co., J. G.  
 C  
 National Biscuit Co. ....AAAA  
 Salt Lake Candy Co. ....C  
**VT.—Burlington**  
 Crystal Confectionery Co. ...C  
**VT.—Montpelier**  
 Cross & Son, C. H. ....B  
**VT.—White River Junction**  
 Smith & Son ....B  
**VA.—Alexandria**  
 Hill Bakery (Natl. Biscuit  
 Co.) ....AAAA  
**VA.—Lynchburg**  
 Crescent Candy Works ...C  
**VA.—Norfolk**  
 Bosman & Lohman ....C  
 Obendorfer & Co. ....C  
**VA.—Petersburg**  
 Harrison, H. P. ....B  
**VA.—Richmond**  
 Christian & Winfree Co. ...C  
 Fleming & Christian Co. ...B  
 Hardesty & Co., R. H. ...C  
**WASH.—Seattle**  
 Jacobs, Trenholme & Co.  
 (B'krs.) ....B  
 Seattle Cracker & Candy Co.  
 O  
 Superior Candy & Cracker  
 Co. (W. & Mfg.) ....C  
**WASH.—Spokane**  
 Washington Cracker Co. ...B  
**WASH.—Tacoma**  
 Stardiamond Candy Factory  
 (W. Mfg.) ....C  
**W. VA.—Charleston**  
 Prince, Mahon & Keeny ...B  
**W. VA.—Fairmont**  
 West Virginia Gro. & Candy  
 Co. (Mfg.) ....A  
**W. VA.—Wheeling**  
 Dwist & Son, A. ....C  
**WIS.—Green Bay**  
 Annen Candy & Biscuit Co.  
 O  
 Brenner, Gazett Co. ....C  
**WIS.—La Crosse**  
 Funke Co., J. B. (Chocolate  
 Bonbons) ....A  
 Kratchwil, M. ....C  
 La Crosse Cracker & Candy  
 Co. ....B  
**WIS.—Madison**  
 Teckmeyer Candy Co. (W.  
 & Mfg.) ....C  
**WIS.—Milwaukee**  
 Ambrosia Choc. Co. ....B  
 Amer. Candy Co. ....B  
 Carpenter-Underwood Fac-  
 tory (Natl. Biscuit Co.)  
 AAAA

## CONFECTIONERY

Fernekas Co., J. (W. Mfg.)  
 C  
 Ziegler & Co., G. (W. &  
 Mfg.) .....A

## CONNECTIONS

**ILL.—Chicago**  
 Morgan & Wright (Inc.), 33  
 W. Lake (Rubber) ...AA  
**ILL.—Decatur**  
 Mueller Mfg. Co. (Brass;  
 Water; Gas Meter) .AAA  
**N. Y.—Auburn**  
 Leather & Brass Mfg. Co.  
 (Closet Repair) .....E  
**N. Y.—Brooklyn**  
 Clonbrock Steam Boiler Co.  
 (Boiler; Flue) .....D  
 New York City  
 Eaton, Cole & Burnham, 253  
 B'way (Hose) .....AAAA  
 Trageser Steam Copper  
 Works, John (Boiler) ...A  
**N. Y.—Utica**  
 Blasler & Co., M. E.  
 (Closet) .....C  
**OHIO—Canton**  
 Berger Mfg. Co. (Sewer)  
 AA  
**OHIO—Springfield**  
 Rogers Iron Co. (Sewer) ...C  
**PA.—Pittsburg**  
 Steel Car Forge Co. (Air  
 Brake) .....B  
**R. I.—Providence**  
 Allen Fire Dept. Supply Co.  
 (Hose) .....D  
**WIS.—Milwaukee**  
 Milwaukee Brass Mfg. Co.  
 (Siamese with Automatic  
 Valve, for Fire Escapes,  
 Stand Pipes, Bath, &c.) .C

## CONNECTORS

**CONN.—Ansonia**  
 Ansonia Electrical Co.  
 (Wire, &c.) .....A  
**CONN.—Bridgeport**  
 Bridgeport Brass Co. (Wire,  
 &c.) .....AA  
**CONN.—Hartford**  
 Veeder Mfg. Co. (Wire, &c.)  
 B  
**CONN.—Plainville**  
 Trumbull Electric Co.  
 (Wire, &c.) .....C  
**ILL.—Chicago**  
 American Electric Fuse Co.,  
 48 W. Jackson (Wire,  
 &c.) .....A  
 Atkinson Co., J. M., 2427  
 Calamut Av. (Wire, &c.)  
 F  
 Chicago Die & Electric Co.,  
 87 W. Lake (Wire, &c.)  
 X  
 Lang Electric Co., J., 44  
 Michigan (Trailer) ...D  
 Turner Brass Wks., Michi-  
 gan & Franklin (Wire;  
 Trailer) .....D  
**MASS.—Boston**  
 Electric Gas Lighting Co.,  
 195 Devonshire (Wire,  
 &c.) .....A  
 Stuart Howland Co., 281  
 Devonshire (Wire &c.) ..B  
**MASS.—Springfield**  
 Springfield Electric Mfg.  
 Co. (Wire, &c.) .....F  
**MO.—St. Louis**  
 Central Union Brass Co., 811  
 N. 2d (Trailer) .....E  
 Emerson Electric Mfg. Co.,  
 718 St. Charles (Wire,  
 &c.) .....B  
**N. J.—Newark**  
 McIntire Co., C. H., 13  
 Franklin (Wire, &c.) ...D  
 New York City  
 Bunnell & Co., J. H., 20  
 Park Pl. (Wire, &c.) ...A  
 Johns-Manville Co., H. W.,  
 100 William (Trolley  
 Wire) .....AAAA  
 Jones & Son, J., 64 Cort-  
 land (Wire, &c.) .....E  
 Manhattan Electrical Supply

**CONNECTORS (Con.)**

Co., 32 Cortland (Wire, &c.) .....A  
 Ostrander & Co., W. R., 23 Dey (Wire, &c.) .....B  
 Zimdars & Hunt, 127 5th Av. (Wire, &c.) .....D  
**OHIO—Cincinnati**  
 Kisinger-Ison Co. (Trolley Wire) .....D  
**OHIO—Mansfield**  
 Ohio Brass Co. (Trailer; Trolley Wire) .....B  
**PA.—Philadelphia**  
 Patrick, Carter & Wilkins (Wire, &c.) .....A

**CONSERVATORIES**

See also Greenhouses

**CONSTRUCTORS**

**MINN.—Minneapolis**  
 Northwestern Fireproofing Works (Fireproofing) ...C  
**MO.—St. Louis**  
 Bruner Granitold Co., P. M. (Fireproofing) .....C  
**New York City**  
 Metropolitan Fireproofing Co., 13 Burling Slip (Fireproofing) .....D  
 Norman Fireproof Construction Co. (Fireproofing) .....E  
 Roebbling Construction Co. (Fireproofing) .....B  
**OHIO—Cincinnati**  
 Ferro-Concrete Construction Co. (Fireproofing) .....B  
**OHIO—Cleveland**  
 National Concrete Fireproofing Co., New England Bldg. (Fireproofing) ...C  
**OHIO—Columbus**  
 International Fence & Fireproofing Co., Buttes Av. (Fireproofing) .....A  
**PA.—Chester**  
 Keystone Fireproofing Co. (Fireproofing) .....D  
**PA.—Philadelphia**  
 Drehmann Paving Co., 2629 Parrish (Fireproofing; Concrete Floors, &c.) ...H  
 Merritt & Co., 1024 Ridge Av. (Fireproofing) .....B  
**PA.—Pittsburg**  
 Columbian Fireproofing Co. (Fireproofing) .....A

**CONSUMERS**

**OHIO—Cleveland**  
 Brightman Stoker Co. (Smoke; Gas) .....D  
**PA.—Philadelphia**  
 Schulte & Roerting Co., 12th & Thompson (Smoke) .....A

**CONTRACTORS**

**OHIO—Cleveland**  
 Garrett-Cromwell Engineering Co., New England Bldg. (Blast Furnace; Steel Works) .....AA  
 Wellman-Seaver-Morgan Engineering Co. (Blast Furnace; Steel Works) ...AA  
**OHIO—Columbus**  
 Barig Engineering Co. (Blast Furnace; Steel Works) .....A  
**OHIO—Girard**  
 Girard Boiler & Mfg. Co. (Blast Furnace; Steel Works) .....B  
**OHIO—Youngstown**  
 Davis, Walker & Cooper Co. (Blast Furnace; Steel Works) .....E  
 Pollock Co., Wm. R. (Blast Furnace; Steel Wks.) ...B

**CONTRACTORS (Con.)**

**PA.—Pittsburg**  
 Carroll-Porter Boiler & Tank Co., Empire Bldg. (Blast Furnace; Steel Wks.) ...B  
 Ferguson, Hugh, Smith Bldg. (Blast Furnace; Steel Wks.) .....F  
 Laughlin & Co., Alex., 706 Lewis Bldg. (Blast Furnace; Steel Wks.) .....D  
 McClure & Co., Smith Bldg. (Blast Furnace; Steel Works) .....D  
 McNeil & Bro. Co., James, 29th & A. V. Ry. (Blast Furnace; Steel Wks.) ...AA  
 Petroleum Iron Works Co. (Blast Furnace; Steel Works) .....C  
 Ritter-Conley Mfg. Co., 50 Water (Blast Furnace; Steel Works) .....AA  
 Scaife & Sons' Co., Wm. B., 221 1st Av. (Blast Furnace; Steel Wks.) ...A  
**PA.—Washington**  
 Petroleum Iron Works Co. (Blast Furnace; Steel Works) .....C

**CONTROLLERS**

**ILL.—Chicago**  
 Burdette-Rountree Mfg. Co., 87 W. Jackson Boul. (Electric Elevator) ...C  
 Instantaneous Water Heating Co., 90 Ohio (Gas) ...D  
 McGuire Mfg. Co., 122 Sangamore (Electric Speed) ...A  
 Perfect Gas Controller Co., 170 Madison (Gas) ...X  
 Schureman & Hayden, 188 South Clinton (Electric Speed) .....C  
**IND.—Indianapolis**  
 Commercial Electric Co. (Electric) .....A  
 Jenney Electric Mfg. Co. (Motor) .....A  
**IOWA—Keokuk**  
 Garton-Daniels Co. (Railway) .....D  
**MASS.—Pittsfield**  
 Stanley Electric Mfg. Co. (Railway Motor) ...AA  
**MASS.—Springfield**  
 Elektron Mfg. Co. (Electric Elevator; Pump) .....B  
**N. Y.—Bronxville**  
 Ward-Leonard Electric Co. (Electric; Ventilating Fan; Speed) .....B  
**New York City**  
 Crane Co., Wm. M., 1133 B'way (Gas) .....A  
 General Incandescent Arc Light Co., 572 1st Av. (Electric Speed) .....A  
 Gordon Battery Co., 439 E. 144th (Electric Speed) ...D  
 Marine Engine & Machine Co., 1123 B'way (Electric Elevator) .....A  
 Niles-Bement-Pond Co., 186 Liberty (Electric Speed) .....AAAA  
**N. Y.—Schenectady**  
 General Electric Co. (Railway Motor) .....AAAA  
**OHIO—Alliance**  
 Morgan Engineering Co. (Electric Speed) .....AA  
**OHIO—Cincinnati**  
 Bullock Electric Mfg. Co., E. Norwood (Electric Speed) .....AAAA  
**OHIO—Cleveland**  
 Electric Controller & Supply Co., Central & Giddings Aves. (Elec. Speed, for Series Motors) .....C  
 Elwell-Parker Electric Co., 1066 Hamilton (Electric Speed) .....A  
**OHIO—Columbus**

## CONTROLLERS (Con.)

Case Mfg. Co. (Electric) AA

## OHIO—Mansfield

Phoenix Electric Mfg. Co.  
(Electric Elevator; Speed) B

## OHIO—Troy

Ohio Electrical Specialty  
Mfg. Co. (Electric Speed;  
Fan Motor) .....G

## PA.—Erie

Keystone Electric Co. (Elec-  
tric Elevator; Speed; Re-  
versing Motor) .....A

## PA.—Philadelphia

Wirt Electric Co., 4523 Ta-  
comy (Electric Speed)...D

## PA.—Pittsburg

Supply Mfg. Co. (Electric) X

Westinghouse Electric &  
Mfg. Co. (Br. N. Y. City)  
(Railway Motor; Electric) AAAAA

## WIS.—Milwaukee

Cutler-Hammer Mfg. Co.  
(Electric Speed; Motor  
Reversing; Press Motor;  
Electric Elevator; Elec-  
tric Crane; Ventilating  
Fan) .....A  
Johnson Electric Service Co.  
(Cumulative Draft.) AA

## CONVERTERS

### ILL.—Chicago

Allis-Chalmers Co., Home  
Ins. Bldg. (Bessemer) AAAAA

### IND.—Ft. Wayne

Fort Wayne Electric Corp.  
(Induction Coil) .....AA

### OHIO—Akron

Biggs Boiler Works Co...C  
OHIO—Cleveland

Elwell-Parker Electric Co.,  
1066 Hamilton (Electric) A

### OHIO—Youngstown

Pollock Co., W. B. (Besse-  
mer) .....B  
Tod Co., Wm. (Bessemer) AA

### PA.—New Castle

Penn. Engineering Works  
(Bessemer) .....A

### PA.—Philadelphia

Ott, Geo. F., 207 Button-  
wood (Electric Rice) ...A

### PA.—Pittsburg

Carroll-Porter Boiler & Tank  
Co., Empire Bldg. (Besse-  
mer) .....B

Ritter-Conley Mfg. Co. (Bes-  
semer) .....AAA

Westinghouse Electric &  
Mfg. Co. (Induction Coil;  
Electric) .....AAAAA

### PA.—Washington

Petroleum Iron Works Co.  
(Bessemer) .....B

### WIS.—Oudahy

Power & Mining Mach. Co.  
(Bessemer) .....AAA

## CONVEYORS

### COLO.—Denver

Mine & Smelter Supply Co.  
(Belt) .....AAAAA

### ILL.—Chicago

Allis-Chalmers Co., Home  
Ins. Bldg. (Belt; Log;  
Slab; Pan) .....AAAAA

Borden & Selleck Co., 48  
Lake (Belt; Freight;  
Grain Elevator; Pan)...X

Caldwell & Son Co., H. W.  
Western & 17th (Spiral;  
Screw) .....A

Gates Iron Works (Br. Allis-  
Chalmers Co., N. Y. C.)  
(Rock; Ore) .....AAAAA

Holsting & Conveying Mach.  
Co., 44 N. Elizabeth  
(Belt; Freight; Gravel;  
Pan; Sand) .....H

Link Belt Machinery Co.,  
W., 39th & Stewart Av.

## CONVEYORS (Con.)

(Belt; Brick; Fertilizers;  
Flour; Freight; Grain Ele-  
vator; Hot Metal; Log;  
Slab; Sawdust; Spiral;  
Screw; Wire Cable)....A

Moore & Lorenz Co., 123 S.  
Clinton (Grain Elevator;  
Spiral; Screw) .....D

Skillin & Richards Mfg. Co.,  
147 Fulton (Grain Ele-  
vator; Spiral; Screw; Wire  
Cable) .....C

Thornburg-Creel Co. (Grain  
Elevator) .....X

Webster Mfg. Co., 1075 W.  
15th (Belt; Brick; Grain  
Elevator; Spiral; Screw;  
Wire Cable) .....AA

Weller Mfg. Co., 118 E.  
North Av. (Belt; Grain  
Elevator; Spiral; Screw;  
Wire Cable) .....A

ILL.—Harvey

Whiting Fdy. Equipment  
Co. (Hot Metal) .....AA

IND.—Indianapolis

Nordyke & Marmon Co.,  
1101 W. Morris (Grain  
Elevator) .....AAA

IND.—Mishawaka

Dodge Mfg. Co. (Belt;  
Spiral; Screw) .....AAA

IND.—Richmond

Richmond City Mill Works  
(Grain Elevator) .....A

IND.—Terre Haute

Prox & Brinkman Mfg. Co.  
(Coal) .....A

KANS.—Leavenworth

Great Western Mfg. Co.  
(Spiral; Screw) .....AA

MAINE—Bangor

Union Iron Wks. (Sawdust)  
A

MD.—Baltimore

Pool & Son Co., Robt. (Fer-  
tilizer) .....A

MASS.—Boston

American Tool & Machine  
Co., 109 Beach (Belt;  
Spiral; Screw) .....AA

Steel Cable Engineering Co.,  
92 State (Apron; Sorting;  
Throughed; Flat Belt;  
Freight; Pan; Wire Ca-  
ble) .....X

Sturtevant Co., B. F. (Cot-  
ton; Wool; Light Mate-  
rial) .....D

MICH.—Bay City

Garland Co., M. (Cable;  
Steel Wire; Log; Slab;  
Sawdust; Steel Chain,  
&c.) .....C

Industrial Works (Freight)  
AA

MICH.—Detroit

Buhl Malleable Co., cor.  
Wright & Adair (Belt;  
Brick; Flour; Freight;  
Link Belt; Log; Slab;  
Sawdust; Spiral; Screw)  
A

Huettemann & Cramer Co.  
(Clay) .....B

Northern Engineering Wks.,  
Chene & Atwater (Hot  
Metal) .....A

MICH.—Saginaw

Koehler Bros. (Log; Slab;  
Sawdust) .....E

Wickes Bros. (Sawdust) AA

N. J.—Trenton

Trenton Iron Co. (Br. N. Y.  
City) (Cable Hoist)...AA

N. Y.—Brooklyn

Logan & Son, Farrell (Coal)  
A

N. Y.—Buffalo

Mey Chain Belting Engineer-  
ing Works, 14 Perry (Fer-  
tilizer; Link Belt; Saw-  
dust; Spiral; Screw) ...F

Noye Mfg. Co., Jno. T., 50  
Lakeview (Flour) .....D

New York City

New Jersey Fdy. & Machine  
Co., 9 Murray (Cable  
Hoist) .....D

Robins Conveying Belt Co.,

**CONVEYORS (Con.)**  
 15 Park Row (Belt)....C  
 United Telpheage Co. 20  
 Broad (Automatic Elec-  
 tric).....X  
**OHIO—Akron**  
 Webster, Camp & Lane  
 Mach. Co. (Clay).....A  
 Whitman & Barnes Mfg. Co.  
 (Canvas; Harvester; Bin-  
 der).....AAAA  
**OHIO—Bucyrus**  
 Am. Clay Working Machin-  
 ery Co. ....AAAA  
**OHIO—Canton**  
 Aultman Co. (Fertilizer;  
 Freight; Link Belt; Log;  
 Slab; Sawdust; Spiral;  
 Screw).....A  
 Bonnot Co. (Belt) .....B  
**OHIO—Cleveland**  
 Bartlett & Snow Co., C. O.  
 (Belt; Brick; Freight;  
 Grain Elevator; Hot  
 Metal; Spiral; Screw) ..B  
 Cleveland Elev. Bucket Co.,  
 225 St. Clair (Brick;  
 Grain Elevator; Gravel;  
 Sand).....D  
**OHIO—Columbus**  
 Jeffrey Mfg. Co. (Apron;  
 Belt; Brick; Endless Pan;  
 Spiral; Screw; Wire Ca-  
 ble; Cable; Coal; Special;  
 Clinker).....AA  
**OHIO—Wellington**  
 Wellington Machine Co.  
 (Brick).....B  
**PA.—Allegheny**  
 Carlin's Sons, Thos. (Belt)  
 A  
**PA.—Muncy**  
 Sprout, Waldron & Co.  
 (Flour; Grain Elevator) ..A  
**PA.—Philadelphia**  
 Campbell, Peter F., 51 Lau-  
 rel (Flour; Freight) ....D  
 Klein, Chas. C., 2850 N.  
 Marshall (Belt) .....D  
 Link Belt Engineering Co.  
 (Link Belt; Sawdust) ...A  
 Thompson & Campbell  
 (Flour; Freight) .....X  
**PA.—Pittsburg**  
 Tate, Jones & Co. (Inc.)  
 Empire Bldg. (Belt; Spi-  
 ral; Screw; Cable Wire)  
 E  
**PA.—Scottdale**  
 Kenney & Co. (Coal).....A  
**PA.—So. Bethlehem**  
 Bethlehem Fdy. & Machine  
 Co. (Belt).....C  
**PA.—Wilkesbarre**  
 Vulcan Iron Works (Coal;  
 Freight; Rock; Ore) ....AAAA  
**TENN.—Chattanooga**  
 Wheland Machine Works  
 (Refuse).....A  
**TENN.—Jackson**  
 Southern Engine & Boiler  
 Wks. (Inc.) (Sawdust) ..A  
**WIS.—Cudahy**  
 Power & Mining Machinery  
 Co. (Belt; Sawdust) .AAA  
**WIS.—Milwaukee**  
 Allis-Chalmers Co. (Log;  
 Slab).....AAAA  
 Chain Belt Co., 766 Park  
 (Belt; Flour; Freight;  
 Grain Elevator; Spiral;  
 Screw; Saw Dust; Coal) B  
 Filer & Stowell Co. (Log;  
 Slab; Saw Dust; Coal)  
 AAA  
 Grotenrath, F., 111 Water  
 (Belt; Link Belt; Grain  
 Elevator; Spiral; Screw)  
 E

## COOKERS

**CONN.—Meriden**  
 Manning, Bowman & Co.  
 (Br. Internatl. Silver Co.)  
 (Steam).....AAAA  
**ILL.—Arlington Heights**  
 Bray & Kates (Steam) ...D  
**ILL.—Chicago**  
 Henion & Hubbell (Feed) .B  
 Sinclair Laundry Machinery

**COOKERS (Con.)**  
 Co., 60 North Clinton  
 (Starch) .....X  
**ILL.—Quincy**  
 Electric Wheel Co. (Feed) A  
**IND.—Indianapolis**  
 Nordyke & Marmon Co.  
 (Feed) .....AAA  
**IOWA—Waterloo**  
 Kelly & Taneyhill (Feed) .G  
 Litchfield Mfg. Co. (Feed)  
 A  
**MAINE—Portland**  
 Conant Co., R. O. (Corn) .F  
**MICH.—Kalamazoo**  
 Clark Engine & Boiler Co.  
 (Steam) .....B  
**MICH.—Tecomseh**  
 Helsen Bros. & Co. (Feed)  
 D  
**MINN.—Minneapolis**  
 Howell & Co., R. B. (Feed)  
 B  
**MINN.—St. Paul**  
 Woltersdorff-Haskell Range  
 & Furnace Co. (Steam  
 Vegetable) .....E  
 N. J.—Bridgeton  
 Cox Bros. & Co. (Corn) ..E  
 N. Y.—Cortland  
 Lewis, L. R. (Feed) ....X  
 New York City  
 Bramhall-Deane Co. (Steam)  
 D  
 Central Stamping Co.  
 (Steam) .....AA  
 Dietz Co., R. E. (Steam) .A  
 Gorton & Lidgerwood Co.  
 (Feed) .....B  
 Stoutenborough, X. (Steam)  
 D  
 N. Y.—Rochester  
 Castle & Co., Willmot  
 (Steam) .....B  
 Werner, John (Syrup) ...D  
 N. Y.—Syracuse  
 Hemingway Mfg. Co. (Corn)  
 A  
**OHIO—Cincinnati**  
 Am. Copper & Brass Co.  
 (Steam) .....A  
 Francis & Bro., Chas. E.  
 (Glue) .....B  
 Park Specialty Co. (Steam)  
 X  
 Van Range Co., Jno. (Corn)  
 A  
**OHIO—Mt. Gilead**  
 Hydraulic Press Mfg. Co.  
 (Apple Butter) .....A  
**OHIO—Toledo**  
 Ohio Steam Cooker Co.  
 (Steam) .....E  
 Toledo Cooker Co. (Steam)  
 C  
**PA.—Allentown**  
 Grammes & Sons, E. F.  
 (Glue) .....A  
**PA.—Columbia**  
 Wilson Laundry Machinery  
 Co. (Starch) .....A  
**PA.—Royersford**  
 Royal Gas Stove & Fdy. Co.  
 (Gas) .....C

## COOLERS

**CONN.—Meriden**  
 Manning, Bowman & Co.  
 (Water; Wine) .....AA  
 Meriden Britannia Co.  
 (Wine) .....AAAA  
**ILL.—Batavia**  
 U. S. Wind Engine & Pump  
 Co. (Milk) .....AA  
**ILL.—Chicago**  
 Sturges & Burns Mfg. Co.  
 (Water) .....A  
 Wilson & Co., F. C. (Water)  
 B  
**ILL.—Elgin**  
 Barclay, D. F. (Milk) ....A  
**MASS.—Boston**  
 Hersey Mfg. Co. (Brewers'  
 Beer) .....AA  
 Strater & Sons, Herman  
 (Milk; Beer) .....A  
 Whitman & Co., Orrin M.  
 (Milk) .....D  
**MASS.—Chelsea**



**COOLERS (Con.)**

Low Tile Co. (Water; Wine) F

**MASS.**—Lowell Woods, Sherwood & Co. (Wire; Bread; Cake) E**MICH.**—Flint Cook Car Journal Co. (Car Journal) O**MO.**—St. Louis Brecht Butchers' Supply Co., G. V. (Lard) AAAA

St. Louis Stamping Co. (Wine) AAAAA

**N. J.**—Flemington Fulper Pottery Co. (Stoneware Water) D**N. Y.**—Brooklyn Cooper & McKee (Water) A**N. Y.**—Buffalo Aldrich Mfg. Co. (Water) A

Buffalo Mfg. Co., 442 Niagara (Water) B

Heinz &amp; Munschauer (Water) A

Jewett Mfg. Co., John C. (Water; Wine) AA

Pierce Co., Geo. N. (Water) AA

Shepard &amp; Co., Sidney (Water) AAAAA

Smith's Sons, John E. (Lard) B

Vogt, Peter A. (Beer) B

**N. Y.**—Cattaraugus Oakes & Burger (Curd; Milk) B**New York City** Appert Glass Co., 277 Bway (Glass; Water) X

Brunswick - Balke Collender Co. (Beer) AAAAA

Cordley &amp; Hayes (Fibre; Wine; Water) A

Jochum, Andrew (Brewers' Beer) E

Koven &amp; Bro., L. O., 50 Cliff (Water) A

Lalance &amp; Grosjean Mfg. Co. (Water; Wine) AAAAA

Mace &amp; Co., L. H. (Wooden; Water) B

Nichthausen &amp; Levy, 98 Beekman (Ice) C

Stoutenborough, X. (Water) D

U. S. Mineral Wool Co. (Fibre; Water) D

**N. Y.**—Utica Jones, Frank L. (Milk) C**OHIO**—Cleveland Harris Mfg. Co. (Lard) C**OHIO**—Hamilton Black & Clawson Co. (Lard) AAA**OHIO**—Toledo Stevens, B. A. (Beer) A**PA.**—Philadelphia Hall, Son & Co., Amos H. (Brewers' Beer) O

Nittinger, August (Lard) A

Reid, A. H. (Milk) A

**VT.**—Bellows Falls Vermont Farm Machine Co. (Milk) C**WIS.**—Fort Atkinson Cornish, Curtis & Greene Mfg. Co. (Milk) A**COOPERAGE****ALA.**—Demopolis Demopolis Cooperage Co. C**ALA.**—Mobile Kennedy Stove & Cooperage Co. (Staves) X**ALA.**—Montgomery Montgomery Cooperage & Hardwood Co. B**ARK.**—Black Rock Black Rock Lumber & Cooperage Co. O**ARK.**—Camden Anderson & Co. B**ARK.**—Crawfordsville Foley Stave Co., W. R. (Whiskey Staves; Wine Staves; Pork Staves) D

Gilt Edge Cooperage Co.

**COOPERAGE (Con.)**

(Slack Stock; Elm Hoops) D

**ARK.**—De Queen De Queen Stave & Lumber Co. E

O'Neill &amp; Son, J. H. E

**ARK.**—Dermott Bodenheimer, M. B. B**ARK.**—Draughton Draughton Stove Co. B**ARK.**—Fayetteville Fayetteville Cooperage Co. E**ARK.**—Fordyce Hampton, J. E. & G. M. B

Hampton Stave Co. D

**ARK.**—Greenfield Greenfield Lumber & Cooperage Co. A**ARK.**—Hamburg Hamburg Stave Co. D**ARK.**—Jonesboro Alfrey, Henry AA

Jonesboro Stave &amp; Hardwood Co. D

**ARK.**—Judsonia Stecher Cooperage Works. A**ARK.**—Junction Cornil Stave Co. (Staves) C**ARK.**—Little Rock Gibson & Cunningham (Staves) C

Greenville Stave Co. (Light Staves) D

Hamlen &amp; Son Co., J. H. (Light Staves) A

Little Rock Cooperage Co. A

Willson Stave Co., W. W. (Light Staves) B

**ARK.**—Nettleton Klech, Ferdinand (Staves) B**ARK.**—Newport Pond-Decker Mfg. Co. A**ARK.**—Paragould Wrape Hy. Co. A**ARK.**—Stephens Texarkana Cooperage Mfg. Co. E**ARK.**—Wilmar Wilmar Stave Co. A**ARK.**—Wynne Kennedy & Morelock Stave Co. B**CAL.**—Los Angeles Los Angeles Cooperage Co. C**CAL.**—San Francisco Carl, Andrew, 217 Commercial E

Pacific Woodenware &amp; Cooperage Co. B

**D. C.**—Washington Gaskins, W. H., 1006 32nd N. W. B

Kuhn, J. O. R., 3129 K N. W. D

**GA.**—Moultrie Colquett Co. Cooperage Co. E**ILL.**—Alton Alton Steam Cooperage Co. E**ILL.**—Aurora Aurora Cooperage Co. B**ILL.**—Cairo Nordman, F. (Staves) B**ILL.**—Carlyle Patterson, P. (Staves) E**ILL.**—Chicago Burkhardtmeier Bros., 27 N. Peoria C

Clayton, Chas., 576 26th B

Gates, A. &amp; H., 205 La Salle C

Hemming &amp; Co., E., 145 La Salle (Light; Slack Staves) B

Maxwell Bros., Loomis &amp; 21st AA

Rothwell, H. R., 337 Michigan (Bbls.) E

Washburn &amp; Co., C. G., 169 Jackson (Light Staves; Heads; Hoops) D

Winterbotham &amp; Son, 226 La Salle A

**ILL.**—Hutsenville Hussong, McNutt & Co. (Staves) E**ILL.**—Mound Center

**COOPERAGE (Con.)**

Meyer, C. F. (White Oak Staves; Headings) .....A  
 ILL.—New Athens  
 Newman & Probst (Staves') .....E  
 ILL.—Pekin  
 Pekin Stave & Mfg. Co...B  
 ILL.—Peoria  
 Empire Cooperage Co. ....E  
 Madigan & Walsch Co....C  
 Nat'l Cooperage & Wooden-ware Co. ....B  
 ILL.—Sandoval  
 Hall, H. R. ....C  
 ILL.—Shibonier  
 Shibonier Mfg. Co. ....C  
 ILL.—Vandalia  
 Walker Stave Co. ....E  
 IND.—Angola  
 Linder & Ramsey .....E  
 IND.—Aurora  
 Wymond Cooperage Co....A  
 IND.—Bern  
 Bern Hoop Mfg. Co.....D  
 IND.—Birds Eye  
 Hubbard Bros. (Hoops)...D  
 IND.—Bluffton  
 Adams, F. P. (Staves)...E  
 Bluffton Hoop Co. ....E  
 IND.—Clay City  
 Clay City Mfg. Co. (Staves) .....E  
 IND.—Evansville  
 Schultze, Waltman & Co..B  
 IND.—Ft. Wayne  
 Convoy Hoop Co. (Colled Elm Hoops) .....X  
 Noble, W. K. ....B  
 Yergens & Son, W. ....C  
 IND.—Frankfort  
 Frankfort Hoop Co. ....E  
 IND.—Goblesville  
 Goble, J. H. ....E  
 IND.—Greencastle  
 Hirt, Alfred (Staves) ....C  
 IND.—Hoagland  
 Houser Bros. (Headings).F  
 IND.—Huntingburg  
 Partenheimer & Link ....E  
 IND.—Huntington  
 Griffith & Son, G. V. (Hoops) .....B  
 IND.—Kokomo  
 Snider, L. (Staves) .....D  
 Wright & Knight (Hoops).D  
 IND.—Lafayette  
 Peck & Abbott .....B  
 IND.—Lawrenceburg  
 Bauer Cooperage Co.....A  
 IND.—Madison  
 Thomas, J. W. (Bbls.)...B  
 Tower Mfg. Co. ....C  
 IND.—Marion  
 Ackerman, B. C. (Headings) .....E  
 IND.—Martinsville  
 Davis Cooperage Co. ....B  
 IND.—Michigan City  
 Winterbotham & Sons, J. H. A  
 IND.—Mount Vernon  
 Ford & McGregor (Staves) .....B  
 Moeller, J. M. ....E  
 IND.—New Carlisle  
 Hofman, F. (Pork Barrels) .....E  
 IND.—New Castle  
 New Castle Colled Hoop Co. D  
 IND.—New Haven  
 Schnelker & Co., H. F. (Staves) .....B  
 IND.—Portland  
 Adams, D. L. (Staves; Headings) .....B  
 IND.—Rushville  
 Anderson Colled Hoop Co.D  
 IND.—Sheldon  
 Eagle Hoop Co. ....B  
 IND.—South Bend  
 Bemis, Chas. (Bbls) ....D  
 IND.—Sullivan  
 Otto, John .....D  
 IND.—Terre Haute  
 Adair, Stephen .....D  
 Blair & Farley Co. (Staves) .....B  
 Griffith & Stone .....D  
 IND.—Tipton

**COOPERAGE (Con.)**

Bowlin & Co., M. L. ....D  
 IND.—Troy  
 Anderson River Stave Works (Butter Tub Staves) ...X  
 IND.—Wakarusa  
 Liniger & Harris (Hoops).F  
 IND.—Washington  
 Creager, L. H. ....D  
 IOWA—Burlington  
 Moehn, Adam.....D  
 IOWA—Cresco  
 Owens, W. R.....C  
 IOWA—Davenport  
 Bremer & Son, Hy. ....D  
 Woodruff-Kroy Co. (Slack Barrel; Butter Tub Stock) .....B  
 IOWA—Dubuque  
 Key City Cooperage & Mfg. Co. ....D  
 IOWA—Keokuk  
 Keokuk Barrel & Hoop Co. F  
 IOWA—Sioux City  
 Barker Cooperage Co. ....D  
 KANS.—Kansas City  
 Hauber Bros. Cooperage Co. C  
 Kansas City Cooperage Co.D  
 KANS.—Leavenworth  
 Rothenberger, J. H. ....B  
 KANS.—Wichita  
 Wichita Cooperage Co. ..B  
 KY.—Burnside  
 Taylor-Mitchell (Oak Whiskey; Beer Stock) .....B  
 KY.—Campbellsville  
 Goudy, J. E. ....D  
 KY.—Clay City  
 Clay City Lumber & Stave Co. ....B  
 Eastern Kentucky Stave Co. B  
 Russell, F. B. ....E  
 KY.—Columbus  
 Columbus Stave Co. ....D  
 KY.—Greensburg  
 Braden & Co., L. P. (White Oak Staves) ..X  
 KY.—Lawrenceburg  
 Dowling, John .....B  
 KY.—Livermore  
 Quigg Mfg. Co. (Gum Staves) .....E  
 Smith Bros. (Hoops) ....D  
 KY.—Louisville  
 Bergen & Meehan Co. (Staves) .....D  
 Chess & Wymond Co. (Staves) .....AA  
 Henry, F. (Bbls.) .....D  
 Hubbard Bros. (Beer; Whiskey; Staves; Heads)...C  
 Hyatt, J. J. ....B  
 Kentucky Cooperage Co. (Slack Stock; Shaved Hoops) .....F  
 Kentucky Stave Co. ....D  
 Ohio Valley Cooperage Co. (Slack Stock) .....E  
 Russell, Frank R. (Beer Staves; Headings) ....B  
 Schwarzenwalder & Sons.. AAAA  
 Sengel, P. ....D  
 Stafford Cooperage Co. (For Whiskey; Pork; Lard)...X  
 Vandiver & Hilde .....D  
 KY.—Newport  
 Kronk Barrel Co. ....F  
 KY.—Paducah  
 Kilgore & Co., J. L. (Headings) .....A  
 LA.—Jonesboro  
 Louisiana Stave Co. (Ltd.) X  
 LA.—New Orleans  
 Albert, C., 618 Montegut (For Molasses; Rice)...X  
 Beck's Sons, T. A. (For Sugar; Molasses; Rice).B  
 Robert Bros. (Staves)...AA  
 Brooklyn Cooperage Co. Peters & Erato .....A  
 Hirsh, P., 335 N. Front..O  
 Keegan, N., 1710 Tchoup (For Flour; Sugar; Molasses) .....F  
 Louisiana Mfg. & Cooper-age Co., 221 S. Peters..B

**COOPERAGE (Con.)**

LeBlanc, P. A., 515 Conti  
(For Sugar; Molasses) ..F  
Long, N. J., 208 S. Peters.D  
McEnamy, M., 541 S.  
Peters .....C  
Magner, L. J., 217 S. Front  
(For Sugar; Rice; Mo-  
lasses) .....X  
Moore & Co., Lucas E.  
(White Oak Staves) ....B  
Union Stave Co. ....A  
**MAINE**—Appleton  
Sherman, W. (Staves)....E  
**MAINE**—Bangor  
Sweet & Co. ....C  
**MAINE**—Bristol  
Robbins, C. C. (Bbls.) ...D  
**MAINE**—Brownfield  
Marstin, J. G. (Staves)...G  
**MAINE**—Buckaport  
Perkins & Co., F. G.  
(Staves) .....B  
**MAINE**—Chisholm  
Garden Bros. (Bbls.) ....D  
**MAINE**—Dennyville  
Lyons Bros. (Staves)....D  
**MAINE**—No. Sedgwick  
Durgis' Son, J. N. (Staves)  
E  
**MAINE**—Portland  
Hamlin & Son Co. ....A  
Portland Cooperage Co. ....C  
**MAINE**—Searsmont  
Ripley, A. B. ....E  
**MD.**—Baltimore  
Gilkin & Co., 920 E. Front  
C  
Kunker, H. F. (Bbls.) ....G  
Pensel, Geo., 1024 Plum Al-  
ley .....G  
Revier, H. G. (Bbls.) ....E  
**MD.**—Cambridge  
Cambridge Mfg. Co. (Bbls.)  
A  
**MASS.**—Boston  
Am. Stave & Cooperage Co.,  
156 State .....D  
Fisher & Co., J., 17 Cald-  
well .....D  
Hull & Co., C. E., 39 Hart-  
ford .....D  
**MASS.**—Somerville  
Armstrong & Co. ....D  
**MICH.**—Benton Harbor  
Colby-Hinkley Co. (Fr.  
Pkgs.) .....B  
**MICH.**—Detroit  
Althouse, C. W. (Stock).A  
Crescent Mfg. Co. (Staves;  
Hdgs.) .....B  
Detroit Steel Cooperage Co.  
(Steel) .....B  
Hasty & Sons, J. F. ....A  
Kelsey, E. L., 11 Wood-  
ward Av. ....C  
Mich. Cooperage Co. (Slack  
Stock) .....D  
National Mfg. Co. (Slack  
Staves; Headings)....D  
Sauer & Son, W. ....D  
**MICH.**—Gladstone  
Northwestern Cooperage &  
Lumber Co. (Staves;  
Hoops; Headings) ....AA  
**MICH.**—Grand Rapids  
Grand Rapids Stave Co.  
(Bbls.) .....C  
Michigan Barrel Co. (Bbls.)  
A  
Michigan Elm Hoop Co.  
(Elm Hoops) .....X  
**MICH.**—Kalamazoo  
Smith, J. G. ....E  
**MICH.**—Quincy  
Globensky, F. (For Pork).D  
**MICH.**—Saginaw  
Wylie & Co., J. T. (Hoops;  
Staves; Hdgs.) .....C  
**MICH.**—Ypsilanti  
Moore, W. A. ....G  
**MINN.**—Aiken  
Gyde, E. A. (Hoops) ....G  
**MINN.**—Fosston  
Heuss, F. (Staves) ....D  
**MINN.**—Ronneby  
Wood & Son, J. M. (Hdgs.)  
D  
**MINN.**—St. Paul  
Gruber, N. ....D  
St. Paul Barrel Co. ....B

**COOPERAGE (Con.)**

**MISS.**—Corinth  
Adams, W. T. (Headings)  
AA  
**MISS.**—Friar's Point  
Miller & Co. (Slack Staves).  
D  
**MISS.**—Greenwood  
Sutherland, Innes & Co.  
(Staves) .....A  
**MISS.**—Sunflower  
Pittman, Baker & Grimes  
(Staves) .....D  
**MISS.**—Vernon  
Stuart & Co., F. P.  
(Staves) .....D  
**MO.**—Alexandria  
Bott Bros. Mfg. Co. ....D  
**MO.**—Ardeola  
Ardeola Stave Co. ....B  
**MO.**—Bloomfield  
Pioneer Cooperage Co. ...AA  
**MO.**—Brownwood  
Pioneer Cooperage Co. ....AA  
**MO.**—Burfordville  
Cape Co. Milling Co. ....A  
**MO.**—Cape Girardeau  
Cape Stave & Heading Co.  
C  
**MO.**—Caruthersville  
Worst, Weirman & Brinker-  
hoff .....X  
**MO.**—Dexter  
Hoffman Heading & Stave  
Co. ....D  
**MO.**—Harviell  
Marigold & Co. (Staves;  
Hdgs.) .....B  
**MO.**—Hayti  
Worst, Weirman & Brinker-  
hoff .....A  
**MO.**—Jackson  
Cape Co. Milling Co.  
(Staves) .....A  
**MO.**—Kansas City  
Kansas City Cooperage Co.D  
**MO.**—Malden  
Nimmons, B. (Hdgs.)....B  
**MO.**—Morehouse  
Riepe & Co. (Staves; Hdgs.)  
D  
**MO.**—Parma  
Payne Stave & Lumber Co.  
(Elm; Gum, etc., Staves)  
B  
**MO.**—Poplar Bluff  
Palmer, L. M. ....AA  
Williams Cooperage, H. D.  
A  
**MO.**—St. Joseph  
Hougan, R. ....D  
Southern Cooperage Co. ...A  
**MO.**—St. Louis  
Columbia Cooperage Co. ...D  
Stecher Cooperage Co. (Beer;  
Wine Casks; Barrels;  
Kegs) .....AA  
Union Cooperage Co. (Fish;  
Pickles) .....B  
**MO.**—Springfield  
Springfield Hoop Co. ....D  
Wenderlich Cooperage Co.B  
**NEBR.**—South Omaha  
Omaha Cooperage Co. ...C  
**N. H.**—East Ware  
Fessenden & Lowell ....AA  
**N. H.**—Fremont  
Spaulding & Frost Co. ...C  
**N. H.**—Hollis  
Worcester Bros. ....B  
**N. H.**—Keene  
Impervious Package Co..B  
**N. H.**—Milford  
Gilson, H. S. ....D  
**N. H.**—Reeds Ferry  
Fessenden & Lowell ....AA  
**N. H.**—Spofford  
Spofford Mfg. Co. ....E  
**N. J.**—Hoboken  
Ryan, J. (Bbls.) .....D  
Stanley, J. & W. ....C  
**N. J.**—Jersey City  
Day & O'Donnell .....D  
Central Cooperage Co. ....C  
Heldt & Son, C. ....B  
Mathison Cooperage Co. ...C  
O'Connor, J. J. ....B  
Proctor Bros. & Co. ....A  
**N. J.**—Trenton  
White, E. A. ....D  
**N. Y.**—Akron

# COOPERAGE (Con.)

Jackson, T. W. (Staves).....C  
 N. Y.—Albany  
 Le Galles, A. ....C  
 Pennie, John .....C  
 N. Y.—Brooklyn  
 Brooklyn Cooperage Co., 142  
 Kent Av. ....A  
 O'Donnell, A., 110 Classon  
 Av. ....D  
 Schwalb, F., 34 Garden ..C  
 Weidman Cooperage Co., N.  
 1st & Berry .....A  
 N. Y.—Buffalo  
 Bogner, Jos., 94 Kingsley  
 F  
 Buffalo Pall & Barrel Co.,  
 500 Babcock .....D  
 Church & Bro., Thompson &  
 Parish .....A  
 Seltz Bros., 345 East ....D  
 Tindale & Jackson, 1318  
 Niagara .....AA  
 N. Y.—Canastota  
 N. Y. Cooperage Co. ....D  
 N. Y.—Catskill  
 Jones, H. P. ....A  
 N. Y.—Chatham  
 Haviland & Son, R. S.  
 (Staves) .....D  
 N. Y.—Crown Point  
 Snyder & Barringer  
 (Staves) .....D  
 N. Y.—Eagle Harbor  
 Bennett & Co., C. ....D  
 N. Y.—East Hamlin  
 Union Cooperage Co. ....D  
 N. Y.—Elba  
 Staples & Son, J. A.  
 (Staves; Hdgs.) .....D  
 N. Y.—Ellenville  
 Hornbeck, S. E. D. (Hoops)  
 F  
 Marshall, Mrs. F. ....D  
 N. Y.—Evergreen  
 Schmidt & Co. ....D  
 N. Y.—Fairport  
 Defendorf, F. A. ....D  
 N. Y.—Fillmore  
 Brooks, W. P. ....C  
 Young & Young .....D  
 N. Y.—Germantown  
 Coons, C. C. ....D  
 Snyder & Barringer .....D  
 N. Y.—Jamestown  
 Shaver & Hall .....AA  
 N. Y.—Liverpool  
 Smith, J. & P. (Bbls.)...D  
 N. Y.—Lockport  
 Bishop, J. P. ....D  
 Little & Son, J. W. (Bbls.)  
 F  
 N. Y.—Lyons  
 Bashford, S. ....D  
 N. Y.—Medina  
 Acer, V. A. (Staves) ....B  
 Smith, J. (Bbls.) .....B  
 N. Y.—Medusa  
 Smith, J. (Bbls.).....B  
 N. Y.—Middleport  
 Sterritt & Granes (Hdgs.;  
 Bbls.) .....C  
 N. Y.—Newark  
 Perkins Cooperage Co., C.  
 H. ....A  
 New York City  
 Bergen & Co., 9 Old Slip  
 (Staves) .....A  
 Brooklyn Cooperage Co., 184  
 Front .....A  
 Centenan & Son, L., 4 Stone  
 (Staves) .....A  
 Church Cooperage Co., 13  
 Park Row (Staves;  
 Heads) .....AA  
 Daniels, M. S., 24 State..B  
 Fisher, H. C., Produce Exch.  
 C  
 Getz, J., 303 E. 64th.....B  
 Keys, Chas. H., 42 B'way  
 (Slack; Light Staves,  
 etc.) .....A  
 Keys & Son, J. G., 198 W.  
 B'way .....B  
 Lapham & Co., 150 Nassau  
 B  
 Maguire Bros., 527 W. 55th  
 (Lime Barrels).....E  
 O'Donnell, N. & H., 202  
 Henry .....C  
 Schwarzwald & Sons, 629

# COOPERAGE (Con.)

W. 51st .....AAAA  
 Spencer & Son, W., 16 S.  
 William .....B  
 Stanley, J. & W., 61 Laight  
 C  
 Sutherland, Innes Co., 29  
 B'way .....AA  
 N. Y.—Niagara Falls  
 Glir, E. F. ....X  
 N. Y.—N. Germantown  
 Ham, Wilson & Co. ....D  
 N. Y.—North Rose  
 Union Cooperage Co. ....D  
 N. Y.—Ogdensburg  
 Northrup, H. D. (Staves).C  
 N. Y.—Palmyra  
 Burns, O. ....D  
 N. Y.—Poughkeepsie  
 Lown & Son .....B  
 N. Y.—Ripley  
 Richenbrode, W. B. ....D  
 N. Y.—Rochester  
 Esse, P. ....D  
 Skuse, T. G. ....B  
 N. Y.—Summersville  
 Adams, S. A. (Hoops) ...C  
 N. Y.—Syracuse  
 Burkhardt, L. ....D  
 Union Cooperage Co. ....D  
 N. Y.—Waterford  
 Hempstead, J. ....D  
 N. Y.—Wayne Centre  
 Putnam & Co., J. N. (Bbls.)  
 D  
 N. Y.—Webster  
 Billings & Son, L. J. ....B  
 N. C.—Bayborough  
 Bayborough Barrel Factory  
 D  
 N. C.—Lexington  
 Gray, M. K. (Staves) ...D  
 OHIO—Albany  
 Kiger, O. (Staves) .....E  
 OHIO—Alger  
 Grief Bros. Co. (Staves)..  
 AA  
 OHIO—Alvordton  
 Geesey, W. H. ....F  
 OHIO—Archbald  
 Gotshall Bros. ....C  
 OHIO—Arlington  
 Allen, Clark & Co. ....A  
 Showan & Co., G. W.  
 (Hoops; Staves) .....E  
 OHIO—Ashland  
 Martieu, B. & G. (Staves).C  
 OHIO—Ashley  
 Dickson, Joseph .....G  
 OHIO—Batavia  
 Glancy & Breeding .....F  
 OHIO—Beach City  
 Camp, Alex. ....F  
 OHIO—Bell Brook  
 Killian, C. A. ....H  
 OHIO—Belleville  
 Bosc, John .....F  
 OHIO—Bellevue  
 Retter, Philip (Staves) ..H  
 OHIO—Bellevue  
 Erdrick, W. H. (Staves,  
 etc.) .....E  
 OHIO—Berlin  
 Grotthouse, Harmon ....G  
 OHIO—Berlin Centre  
 Balh & Sons, Wm. (Hoops)  
 H  
 OHIO—Birmingham  
 Henry, C. H. ....H  
 OHIO—Briceton  
 Magee, J. H. (Staves) ....A  
 Tank, Fred. (Staves) ....H  
 OHIO—Canal Dover  
 Hagner, C. L. ....H  
 OHIO—Carey  
 Perkins & Wallace (Staves)  
 E  
 OHIO—Celina  
 Celina Hoop Co. (Hoops)..G  
 OHIO—Chillicothe  
 Heimbürger, Geo. ....H  
 OHIO—Cincinnati  
 Becker Veneer Barrel Co.,  
 2nd & John .....X  
 Cinn. Cooperage Co. ....AAA  
 Hauser, Brenner & Fath Co.,  
 McLean & Bank.....A  
 Oker & Sons, Jos., 409  
 Charlotte .....B  
 Van Agthoven, A., 307 W.  
 Front .....A

# COOPERAGE (Con.)

OHIO—Circleville  
Eagle Cooperage Works ..D  
Richards, Conrad .....E  
Sapp, George .....H  
OHIO—Clarendon  
Keppler, J. P. ....H  
OHIO—Cleveland  
Cleveland Barrel Co., 1396  
St. Clair .....F  
Grief Bros. Co. (Staves;  
Bbbs.) .....AA  
OHIO—Columbiana  
Shanner, J. ....H  
OHIO—Columbus  
Lapp, Jacob .....D  
OHIO—Columbus Grove  
Buckeye Stave Co. (Staves;  
Hdgs.) .....AA  
OHIO—Continental  
Bruckeye Stave Co. (Staves;  
Hdgs.) .....AA  
OHIO—Convoy  
Convoy Hoop Co. (Hoops).C  
OHIO—Creston  
Kerr, A. E. ....E  
OHIO—Cuyahoga Falls  
Turner, Vaughan & Taylor  
Co. (Chairs; Nail Kegs) X  
OHIO—Defiance  
Dicus, Geo. H. ....X  
Marshall & Son, John ....D  
Rowe, John (Hoops) ....H  
OHIO—Delphos  
Weger, Thos. A. ....E  
OHIO—Dowling  
Garrill, M. R. (Staves)..D  
OHIO—East Liverpool  
Bough, M. H. ....G  
Dawson, N. F. ....G  
Faulk Bros. Co. ....D  
Hill, Robert .....F  
McCain Bros. ....G  
McKinnon, T. B. ....G  
Williams & Co., F. P....G  
Williams & Co., S. C....B  
OHIO—Elmore  
Magee, J. H. ....A  
OHIO—Findlay  
Walter, J. E. ....G  
OHIO—Fostoria  
Fostoria Stave & Barrel Co.  
B  
OHIO—Fremont  
West, N. C. (Hoops) ...X  
OHIO—Geyer  
Bose, John (Staves) ....F  
OHIO—Gibsonburg  
Zorn, Horning Co. (Staves;  
Hdgs.) .....A  
OHIO—Greenville  
Kilgore & Co., J. L. (Staves)  
A  
OHIO—Grover Hill  
Lenhart Cooperage Co., W.  
S. ....C  
OHIO—Hagerman  
Burns & Co., D. (Staves) A  
OHIO—Harrison  
Richter, F. ....H  
OHIO—Hicksville  
Buckeye Stave Co. ....AA  
OHIO—Holgate  
Shelby & Bro. ....A  
OHIO—Leipsic  
Buckeye Stave Co. ....AA  
OHIO—Lindsay  
Lindsay Hoop & Stave Co. A  
OHIO—Louisville  
Nichols, James .....E  
OHIO—Lucky  
Eddy & Co., N. B. (Staves;  
Hdgs.) .....F  
OHIO—McGill  
Gideon Bros. (Hdgs.) ....C  
OHIO—Madison  
Gale, L. ....H  
OHIO—Maria Stein  
Kleinhenz & Son (Hoops) G  
OHIO—Marietta  
Courath, Jacob.....F  
OHIO—Marion  
Morganthaler, Wm. ....G  
Schweinfurth, Adam ....E  
OHIO—Martins Ferry  
Bettis & Co., H. (Kegs) ..B  
Martins Ferry Keg & Barrel  
Wks. ....E  
OHIO—Metamora  
Ries, Conrad (Headings) X  
OHIO—Minster  
Minster Cooperage Co. ...D  
Haas, Hy. ....H

# COOPERAGE (Con.)

OHIO—Mt. Vernon  
Park, Colville & Herrick Co.  
(Staves) .....E  
OHIO—Mungen  
Dewey Stave Co. ....AA  
OHIO—Napoleon  
Bruner & Son, A. (Hoops) D  
OHIO—Navarre  
Baetzer, C. ....H  
OHIO—New Bavaria  
Horning, Jacob (Staves;  
Hoops) .....D  
OHIO—New Bremen  
Schneider, Aug. ....G  
OHIO—New Richmond  
Hoh, B. ....H  
Schuler, H. A. ....H  
OHIO—New Springfield  
Reash, Andrew (Bbl. Hds.)  
E  
OHIO—New Washington  
New Wash. Mfg. Co. (Bbbs.)  
E  
OHIO—Oak Harbor  
Dorset Cooperage Co.....A  
Mylander, W. H. ....E  
Oak Harbor Cooperage &  
Lumber Co. ....A  
Roose, Chas. Sr. (Staves;  
Hds.) .....B  
OHIO—Ottawa  
Lenhart Cooperage Co., W.  
S. ....C  
OHIO—Paulding  
Weidman Stave & Heading  
Mills .....C  
OHIO—Payne  
Payne Stave Co. ....C  
Schnelker & Co., H. F.  
(Staves) .....B  
OHIO—Piqua  
Elbert, Fred'k. ....H  
OHIO—Pleasant Bend  
Buckeye Stave Co. ....AA  
OHIO—Pomeroy  
Morton, C. M. ....G  
OHIO—Richwood  
Marks, A. (Hoops) .....F  
OHIO—Rockford  
Adams & Son, T. C. (Staves)  
O  
OHIO—Sandusky  
Brumm, Aug. ....D  
Kilbourn & Co. ....A  
Michel Bros. ....C  
Ritter, Lewis .....G  
Sandusky Cooperage & Lum-  
ber Co. ....C  
Zimmerman, Christ. ....G  
OHIO—Somerset  
Flaut, G. B. ....H  
OHIO—Southington  
Houghton & Straup (Staves)  
E  
Hurd, Frank (Staves) ....E  
OHIO—South New Lyme  
Berg, C. A. (Hoops) ....G  
OHIO—Springfield  
Geler, Joseph .....H  
Lisch, J. J. ....H  
Schnorbus, Jos. F. ....F  
OHIO—Styker  
Brun, H. F. (Hoops; Staves)  
O  
OHIO—Tiffin  
Schweickhards & Dunn  
(Staves) .....F  
OHIO—Tippecanoe City  
Sweeney, Edward .....H  
OHIO—Troy  
Brady, George .....H  
OHIO—Van Wert  
Eagle Stave Works ..AAAA  
OHIO—Versailles  
Fritschull, Henry .....G  
OHIO—Wauseon  
Wauseon Mfg. Co. (Staves)  
D  
OHIO—Wellington  
Paul, Husted & Co. ....G  
OHIO—Wellsville  
Blackburn, W. F. ....H  
OHIO—West Unity  
Burkhart, Joseph .....F  
OHIO—Winesburg  
Sterzbach, Geo. ....H  
OHIO—Woodville  
Bittinger, D. H. (Staves) E  
OHIO—Yondata  
Teachont, Albert (Staves) E  
OHIO—Zanesville  
Basehart, J. H. ....F  
OREGON—Astoria  
Kearney Bros. ....F

# COOPERAGE (Con.)

OREGON—Clatskanie  
Aldridge, D. C. ....H  
OREGON—Gales Creek  
Miller, David .....H  
OREGON—Langlois  
Haagensen, O. P. ....G  
OREGON—Mt. Angel  
Schaffer Bros .....F  
OREGON—Nehalem  
Alley, H. V. ....H  
PA.—Adamsville  
Palmanter & Ellis .....G  
PA.—Allegheny  
Menke, G. ....D  
PA.—Allentown  
Rice, W. H. ....E  
Trexter Cooperage Co. ....G  
PA.—Beaver Falls  
Bell & Sons Co., E. ....A  
PA.—Belleville  
Hostetler, J. E. (Staves) F  
PA.—Brookbeck  
Werner, John .....G  
PA.—Canonsburg  
Budke Mfg. Co. (Kegs) ..A  
PA.—Catasauqua  
Treaster, L. F. (Staves) ..D  
PA.—Corseca  
Jones, J. B. (Staves) ....B  
PA.—Corry  
Westley, D. & F. E. (Butter  
Pails) .....G  
PA.—Coudersport  
Dieffenbach, J. F. (Slack  
Bbl. Hds.) .....C  
PA.—Diminsville  
Brown, T. J. (Hoops) ....H  
PA.—Falkton  
Kennedy, M. T. & C. (Kegs)  
A  
PA.—Foltz  
Hill, John .....F  
PA.—Flora Dale  
Wert, R. S. ....G  
PA.—Freedom  
Menke, J. J. ....D  
PA.—Galeton  
Galeton Stave & Mfg. Co. D  
PA.—Honesdale  
McKenna's Sons, P. ....F  
PA.—Kingsville  
Burnham & McClune  
(Staves) .....F  
PA.—Lawrenceville  
Brown, W. E. (Hds.) ....F  
PA.—Loyaburg  
Gelbel, J. W. (Agt.) ....X  
PA.—Mertztown  
Trexter Stave & Lumber Co.  
D  
PA.—Milroy  
Treaster, L. F. (Staves) ..D  
PA.—Mt. Joy  
Greenawald, B. F. ....F  
PA.—New Baltimore  
Warner, J. F. ....G  
PA.—New Brighton  
Kennedy & Son, M. T.  
(Kegs) .....A  
PA.—Newburg  
Heffelfinger, D. ....F  
PA.—North East  
Wagoner, F. ....X  
PA.—Oil City  
Rush, H. G. ....B  
PA.—Pennsylvania Furnace  
Knapp & Wert (Staves) ..D  
PA.—Pittsburg  
Bell & Co., Edwin (Nail:  
Spike; Bolt &c. Kegs;  
Lime; Flour &c. Barrels)  
A  
Walsh-Morris (Slack Bar-  
rels; Casks; Tierces)....A  
Walsh Mfg. Co. (Nail Kegs)  
A  
PA.—Rupert  
Monroe, W. M. (Kegs) ..E  
PA.—Titusville  
Stenhens, W. J. (Staves;  
Hds.) .....A  
PA.—Wagner  
Gibbonev, S. (Staves) ..D  
PA.—Warren  
Knabb & Co., A. (Bbls.;  
Hds.) .....A  
PA.—Wilkinsburg  
Goldie, Wm. (Hoops) ....A  
PA.—York  
Everhart, Geo. W. ....E  
Lehn, D. & P. ....E  
Rehmeyer, C. W. ....D  
B. C.—Charleston  
Bainbridge Cooperage &  
Supply Co. ....D

# COOPERAGE (Con.)

Palmer Mfg. Co. (Bbls.) ..A  
TENN.—Beach Bluff  
Laws Bros. ....B  
Thompson & Co., I. W. ....C  
TENN.—Bristol  
Williams & Sons, Jno. T.  
(Slack Staves; Heads;  
Hoops) .....B  
TENN.—Dyersburg  
Dyersburg Stave & Heading  
Co. (Slack Stock) .....X  
Hall & Dawson (Staves;  
Heads; Hoops) .....A  
Volterman & Co., F. H.  
(Oak; Poplar; Ash; Gum;  
Elm; Keg Stock) .....X  
Wood, S. A. (Staves) .....E  
TENN.—Erie  
Harris, V. R. ....U  
Hayes, A. L. (Staves) ....D  
Ross, W. P. (Stave) ....E  
TENN.—Gleason  
Bynum, W. B. (Slack Stock)  
D  
TENN.—Greenfield  
Coats Bros. (Staves) ....D  
TENN.—Halls  
Wilson & Co., W. F.  
(Staves; Hds.) .....E  
TENN.—Holladay  
Harrison, W. F. (Staves) D  
TENN.—Huntingdon  
Dalton, G. B. (Staves) ...C  
TENN.—Jackson  
Coleman Co., W. H.  
(Headings) .....B  
TENN.—Johnson City  
Exum & Boring (Hds.) ....D  
Wilson, J. A. (Staves) ....C  
TENN.—Memphis  
Chickasaw Cooperage Co. AA  
Fleischer, Max (Tank;  
Claret Staves) .....X  
TENN.—Milan  
Keaton Bros. (Oil; Pork;  
Whiskey Staves) .....G  
Todd & Roper (Staves) ..D  
TENN.—Mixie  
Hurdle Bros. & Co. (Staves)  
D  
TENN.—Monterey  
Monterey Stave & Lumber  
Co. (Staves) .....E  
Kayes Co., A. L. (Light  
Barrel Stock) .....X  
TENN.—Nashville  
Mocker, C. H. ....D  
Werne, R. (Bbl.) .....D  
TENN.—New River  
Keen, J. M. (Staves) ....D  
TENN.—Onsida  
Shaver, Hall & Cross  
(Staves) .....AA  
TENN.—Ripley  
Cinn Cooperage Co. ....AA  
TENN.—Sherwood  
Gager Lime & Mfg. Co. ...C  
TENN.—Trenton  
Harlan & Co., T. (Light Bar-  
rel Stock) .....B  
TENN.—Trezevant  
Harris & Fuqua (Staves) D  
TENN.—Union City  
Howard, J. F. ....D  
TENN.—Whitfield  
McLean & Hall (Staves) ..D  
TENN.—Winfield  
Shaver Hall & Cross  
(Staves) .....AA  
TEXAS—Dallas  
Dallas Cooperage Co. ....E  
TEXAS—Houston  
Houston Barrel & Cistern  
Factory .....D  
TEXAS—Sherman  
Sherman Cooperage Co. ..F  
TEXAS—Texarkana  
Little Rock Cooperage Co. A  
VA.—Belfield  
Enterprise Co. (Bbls.) ....E  
VA.—Bodley  
Bell, J. A. ....D  
VA.—Browntown  
Rannahannock Lumber Co.  
(Slack Stock) .....X  
VA.—Exmore  
Gladstone & Nicholson ..E  
VA.—Keizletown  
Va. Stave & Heading Co. D  
VA.—Lee  
Anderson, J. R. ....A  
VA.—Lynchburg  
Yates, J. T. ....D  
VA.—McKenney  
McKenney Mfg. Co. (Slack

**COOPERAGE (Con.)**

Barrel Stock) .....F  
**VA.—Norfolk**  
 Farmers Mfg. Co. (Bbls.) B  
 Reed Bros. & Co. (Staves) C  
 Reids, Sons, E. ....A  
 Stires, R. W. (Bbls.; Hdgs.) B  
**WASH.—Aberdeen**  
 Western Cooperage Co. (Tubs) .....O  
**WASH.—Brookfield**  
 Fluke Bros. (Staves; Bbls.) D  
**WASH.—Colby**  
 Feas, A. S. (Bbls.) .....F  
**WASH.—Fairhaven**  
 Spratt, A. C. ....H  
**WASH.—Mukilteo**  
 Graville, Peter .....F  
**WASH.—Roche Harbor**  
 Staveless Barrel Co. ....X  
**WASH.—Sherlock**  
 Card & Sons, M. L. (Tubs) E  
**W. VA.—Charlestown**  
 Courtney, D. G. (White Oak) .....A  
 Jefferson Cooperage Co. ..D  
**W. VA.—Wheeling**  
 McConnell, W. W. ....D  
**WIS.—Antigo**  
 Antigo Mfg. Co. (Staves; Hdgs.) .....D  
 Kingsbury & Henshaw (Staves) .....E  
**WIS.—Athens**  
 Braun & Sons (Staves) ..E  
**WIS.—Beldenville**  
 Brimmer, W. D. (Hdgs.) .E  
**WIS.—Boyd**  
 Boyd Mfg. Co. (Staves) D  
**WIS.—Butternut**  
 Benjamin, Fred. ....D  
**WIS.—Chippewa Falls**  
 Kuntz, H. (Staves) .....D  
**WIS.—Cumberland**  
 Keyes & Cole (Hdgs.) ....D  
**WIS.—Green Bay**  
 Britton, D. W. ....A  
**WIS.—Hillsboro**  
 Hammer Bros. (Staves) D  
**WIS.—La Crosse**  
 Doud, Sons & Co. (Bbls.) A  
 Meininger, S. ....D  
**WIS.—Loyal**  
 Ruplinger Stave & Hdg. Co. O  
**WIS.—March**  
 Doud Sons & Co. (Bbls.) A  
**WIS.—Marshfield**  
 Saenlle L. (Ash Hoops) ..O  
 Marshfield Stave Co. ....B  
 Wisconsin Hoop Co. ....C  
**WIS.—Milwaukee**  
 Delta Cooperage Co. ....AA  
 Stolper Cooperage Co., Chas. (Brewers') .....A  
**WIS.—Superior**  
 American Barrel Co. ....D  
**WIS.—West Superior**  
 Doud Sons & Co. (Bbls.) .A

**COOPS**

**ILL.—Chicago**  
 Barbee Wire & Iron Wks. (Wire; Poultry) .....B  
**IND.—Ligonier**  
 Banta Mfg. Co. (Brood) ..D  
**N. Y.—Whitney Point**  
 Otselle Mfg. Co. (Exhibition) .....X  
**OHIO—Difancee**  
 Defiance Box Co. (Poultry) AA  
**OHIO—Hamilton**  
 Myers Mfg. Co., Fred. J. (Wire Poultry) .....B

**COPING**

**CONN.—New London**  
 Burch & Co., H. O. (Stone) X  
**MINN.—Crookston**  
 Crookston Marble Wks. (Cemetery) .....D  
**MO.—St. Louis**  
 Laclede Fire Brick Mfg. Co. (Wall) .....AAA  
**N. J.—Perth Amboy**  
 Perth Amboy Terra Cotta Co. (Terra Cotta) ....AA  
 New York City

**CORING (Con.)**

Henry & Co., M. C. (Stone) B  
**N. Y.—Oxford**  
 Clark Bluestone Co., F. G. (Stone) .....A  
**OHIO—Akron**  
 Robinson Clay Product Co. (Wall) .....AAAA  
**OHIO—Cleveland**  
 Malone Stone Co. (Stone) ..A  
**OHIO—Haydenville**  
 Haydenville Co. (Wall) ..A  
**PA.—Philadelphia**  
 Cortright Metal Roofing Co. (Metal) .....B  
**PA.—Reading**  
 Reading Terra Cotta & Stove Lining Wks. (Terra Cotta) .....C

**COPPER**

**CONN.—Ansonia**  
 Ansonia Brass & Copper Co. (Angles) .....AAAA  
**CONN.—Bridgeport**  
 Bridgeport Brass Co. (Angles) .....AAA  
**CONN.—Bristol**  
 Bristol Brass Co. (Sheet) AAA  
**CONN.—Seymour**  
 New Haven Copper Co. (Sheet) .....AA  
 Seymour Mfg. Co. ....AAA  
**CONN.—Torrington**  
 Coe Brass Mfg. Co. (Sheet) AAAA  
**CONN.—Waterbury**  
 Benedict & Burnham Mfg. Co. (Angles, etc.) ..AAAA  
 Chase Rolling Mill Co. (Sheet) .....AAAA  
 Holmes, Booth & Haydens Co. (Sheet) .....AAAA  
 Plume & Atwood Mfg. Co. (Sheet) .....AAA  
 Randolph-Clowes Co. (Roll; Sheet) .....AAA  
 Scovill Mfg. Co. (Roll; Sheet) .....AAAA  
 Waterbury Brass Co., (Angles; Sheet) .....AAAA  
**ILL.—Chicago**  
 Goetz & Flodin Mfg. Co. (Brewers') .....A  
 Magnus Sons Co., A. (Brewers') .....B  
 Stier Mfg. Co., H. (Brewers) .....D  
 Trenkhorst, Frank (Brewers') .....F  
**MD.—Baltimore**  
 Baltimore Copper Smelting & Rolling Co. (Sheet) AAA  
**MASS.—Boston**  
 Livermore, Honer, C. (Roll; Sheet) .....E  
**MASS.—New Bedford**  
 Taunton-New Bedford Copper Co. (Sheet) ....AAA  
**MICH.—Bay City**  
 Wilson & Wanless (Sheet) B  
**MICH.—Detroit**  
 Detroit Copper & Brass Rolling Mills Angles; Sheet) AAAA  
 Henison Mfg. Co. (Sheet) ..E  
 Huelteman & Cramer Co. (Brewers') .....A  
**MO.—St. Louis**  
 Aufrechtig, Alois (Brewers') D  
**N. Y.—Brooklyn**  
 Wiarda & Co., Jno. C. (Sulphate) .....AA  
**New York City**  
 General Chemical Co. (Sulphate) .....AAAA  
 Hendricks Bros., 40 Cliff Cake; Bar; Ingot) ..AAAA  
 Hungerford Brass & Copper Wks., U. S., 407 Pearl (Ingot; Sheet) .....AA  
 Manhattan Brass Co. (Sheet) A  
 Orford Copper Co., 74 Bway. Cake; Bar; Ingot) ..AAA  
 Roos Sons, August (Brewers') .....B  
 Selling Co. (Sulphate) ....C

**COPPER (Con.)**

Sholes Co., C. E. (Sulphate) X  
**N. Y.—Rome**  
 Rome Brass & Copper Co.  
 (Angles; Sheet) ....AAA  
**OHIO—Cincinnati**  
 Deckebach Son Co., F. O.  
 Brewers' .....C  
**OHIO—Cleveland**  
 Grasselle Chem. Co. (Sul-  
 phate) .....AAAA  
**PA.—Connellsville**  
 Riverside Metal Refining Co.  
 (Ingot) .....D  
**PA.—Easton**  
 Baker & Adamson Chemical  
 Co. (Clippings) .....A  
**PA.—Philadelphia**  
 Ferguson Bros. (Sulphate) A  
 Merchant & Co. (Angles; A  
 Roll) .....AA  
**PA.—Pittsburg**  
 Crucible Steel Co., of Am.  
 (Cake; Bar; Ingot; Sheet)  
 .....AAAA  
 Hussey & Co., C. G. (Sheet)  
 ....AAA  
 McKenna Bros. Brass Co.  
 (Roll; Sheet) .....A  
 Maloney Bronze Mfg. Co.  
 (Ingot) .....D  
**WIS.—Kenosha**  
 Chicago Brass Co. (Sheet)  
 ....AA  
**WIS.—Milwaukee**  
 Kosas & Bros. Co., Chas.  
 (Brewers') .....A  
 Toepfer & Sons, Wm. (Per-  
 forated) .....B

**COPPERAS**

**COLO.—Denver**  
 Western Chemical Mfg. Co.  
 ....AA  
**DEL.—Wilmington**  
 Atlantic Dynamite Co. ....AAA  
**MASS.—Plymouth**  
 Edes Mfg. Co. ....C  
**New York City**  
 Am. Steel — Wire Co., 71  
 Bway. ....AAAA  
 General Chemical Co., 25  
 Broad. ....AAA  
 New York Quinine & Chemi-  
 cal Wks. (Ltd.) .....A  
**OHIO—Cleveland**  
 Harshuer, Fuller & Goodwin  
 Co. ....AAA  
**PA.—Easton**  
 Williams & Co., C. K. ....A  
**PA.—Philadelphia**  
 Jordan, Jr., W. H. (Pow-  
 dered) .....AA  
 Pennsylvania Salt Mfg. Co.  
 ....AAAA  
 Powers - Weightman-Rosen-  
 garten Co. ....AAAA  
 Welherrell Co., S. P., 925  
 Chestnut .....B

**COPPERS**

See also Ingots

**CONN.—Ansonia** ...  
 Ansonia Brass & Copper Co.,  
 Br. N. Y. C. (Soldering)  
 ....AAAA  
**CONN.—Bridgeport**  
 Bridgeport Brass Co. (Sol-  
 dering) .....AA  
**CONN.—Seymour**  
 New Haven Copper Co. (Sol-  
 dering) .....AA  
 Seymour Mfg. Co. (Battery)  
 ....AA  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co.  
 (Soldering) .....AAAA  
**CONN.—Torrington**  
 Coe Brass Mfg. Co. (Bat-  
 tery) .....AAAA  
 Union Hdw. Co. (Soldering)  
 ....A  
**ILL.—Chicago**  
 Atchison Perforated Metal  
 Co., Robt. (Perforated), X  
 Bryant Zinc Co., 71 W.  
 Adams (Battery) .....C  
 Harrington & King Perfor-  
 ating Co. (Perforated). A  
 White Mfg. Co., 93 Mich.  
 Av. (Soldering) .....D

**COPPERS (Con.)**

**ILL.—Freeport**  
 Stover Mfg. Co., 165 River  
 (Soldering) .....AA  
**MD.—Baltimore**  
 Baltimore Copper Smelting  
 & Rolling Mill Co., Keyser  
 Bldg. (Battery) .....AA  
 Clendenin Bros., 111 S. Gay  
 (Soldering) .....A  
 Kemp Mfg. Co., Clarence M.,  
 1501 Guilford Av. (Sol-  
 dering) .....C  
 Schultz & Co., A. (Sol-  
 dering) .....A  
**MASS.—Boston**  
 Boston Electric Co., 29 Har-  
 rison Av. (Battery) ....B  
 Iaele & Son, A. W., 51 Pitts  
 (Soldering) .....F  
**MASS.—Plymouth**  
 Ede's Mfg. Co. (Battery), D  
**MASS.—Reading**  
 Beattie Zinc Wks. Co. (Bat-  
 tery) .....D  
**N. J.—Kearney**  
 McArthur, Archibald (Sol-  
 dering) .....F  
**N. J.—Newark**  
 Osborne & Co., C. T., 96  
 Mechanic (Soldering) ..B  
**N. J.—Salem**  
 Ayars Machine Co. (Sol-  
 dering) .....B  
 Salem Glass Works (Bat-  
 tery) .....A  
**N. Y.—Brooklyn**  
 Bliss Co., E. W. (Soldering)  
 ....AAAA  
**N. Y.—Buffalo**  
 Niagara Machine & Tool  
 Wks. (Soldering) ....AAA  
 Shepard & Co., Sidney (Sol-  
 dering) .....AAAA  
 Waterbury Brass Co. (Sol-  
 dering) .....AAAA  
 West Mfg. Co. (Soldering)  
 ....D  
 Wiarda & Co., Jno. C. (Sol-  
 dering) .....AA  
**New York City**  
 Hungerford Brass & Copper  
 Co., U. T., 497 Pearl (Sol-  
 dering) .....A  
 Millers Falls Co. (Br. Millers  
 Falls, Mass.), 28 Warren  
 (Soldering) .....AA  
 Mundt & Son, Chas., 441  
 Pearl (Soldering) .....B  
**N. Y.—Watervliet**  
 Covert Mfg. Co. (Soldering)  
 ....A  
**OHIO—Mansfield**  
 Mansfield Tempered Copper  
 Co. (Soldering) .....A  
**OHIO—Plymouth**  
 Root Bros. Co. (Soldering  
 Seats) .....B  
**PA.—Northeast**  
 Eureka Tempered Copper  
 Wks. (Soldering) .....B  
**PA.—Philadelphia**  
 Merchant & Co., 517 Arch  
 (Battery) .....AA  
 Stortz & Son, Jno., 210 Vine  
 (Soldering) .....F  
**PA.—Pittsburg**  
 Hussey & Co., C. G. (Sol-  
 dering) .....AAA

**CORD**

**CONN.—Georgetown**  
 Gilbert & Bennett Mfg. Co.  
 (Wire; Picture) ....AAA  
**CONN.—New Haven**  
 Hendryx & Co., Andrew B.  
 (Wire; Picture) .....A  
**CONN.—Norwich**  
 Ossawan Mills Co. (Bell;  
 Macramé Lace; Worsted;  
 Wire Picture; Shade;  
 Sash; Signal; Suspender;  
 Venetian Blind; Ventila-  
 tor; Bicycle Lacing; Solid  
 Braided; Upholstery; Cot-  
 ton; Hemp) .....B  
 Turner Mfg. Co., E. P. (Bi-  
 cycle Lacing; Picture;  
 Shade; Ventilator; Signal)  
 ....X  
**CONN.—Torrington**  
 Turner & Seymour Mfg. Co.  
 (Wire; Picture) .....A  
**CONN.—Westport**  
 Lees Mfg. Co. (Macramé



**CORD (Con.)**  
 Lace; Cable).....A  
**DEL.—Wilmington**  
 Rhoades & Son, J. E. (Bell)  
 A  
**GA.—Athens**  
 Mallison Braided Cord Co.  
 (Trolley; Arch Lamp;  
 Bell) .....B  
 American Steel & Wire Co.  
 (Wire; Sash) .....AAAA  
 Carpenter & Co., G. B., 1  
 5th Av. (Sash) .....AA  
 Macomber & Whyte Rope  
 Co. (Sash; Signal) .....A  
 Sells Mfg. Co. (Bell) ....B  
**MASS.—Attleboro**  
 Union Braiding Co. (Silk Eye  
 Glass) .....D  
**MASS.—Boston**  
 Boston Belting Co. (Rubber)  
 AAAAA  
 Hub Gore Makers (Rubber)  
 A  
 Samson Cordage Wks., 115  
 Congress (Bell; Picture;  
 Sash; Shade; Signal; Sus-  
 pender; Venetian Blind;  
 Ventilator; Cotton; Hemp;  
 Solid Braided; Upholstery;  
 Trolley) .....A  
**MASS.—Easthampton**  
 Colton, Geo. S. (Rubber) ..A  
 Glendale Elastic Fabrics Co.  
 (Elastic) .....A  
**MASS.—Fall River**  
 Estes & Sons (Sash) .....A  
**MASS.—Hyde Park**  
 Gould Wire Cord Co. (Trol-  
 ley; Window Shade; Sash)  
 F  
**MASS.—Newtonville**  
 Silver Lake Co. (Bell; Rail-  
 road Bell; Braided; Shade;  
 Sash; Signal; Suspender;  
 Ventilator) .....A  
**MASS.—Plymouth**  
 Plymouth Cordage Co. (Cot-  
 ton; Hemp) .....AAAA  
**MASS.—Springfield**  
 Union Braiding Co. (Silk) .O  
**MASS.—Westfield**  
 Warren Thread Wks., W.  
 (Jute; Suspender; Upholst-  
 ery) .....A  
**MASS.—Worcester**  
 Parker Wire Goods Co. (Pic-  
 ture) .....D  
 Wire Goods Co. (Wire, Pic-  
 ture) .....A  
 Wright Wire Co. (Sash), AA  
**MASS.—Belling**  
 Belding Bros. & Co. (Inc.)  
 (Silk) .....AAAA  
**MO.—St. Louis**  
 Buodenck & Bascom Rope  
 Co. (Wire; Sash; Signal) AA  
 Leschen & Sons Rope Co.  
 (Wire; Sash; Signal) AAA  
**N. H.—Concord**  
 Page Belting Co. (Bell) ..AA  
**N. J.—Trenton**  
 Trenton Iron Co. (Sash) ..A  
 Trenton Rubber Co. (Rub-  
 ber) .....A  
 United Rubber Co. (Rubber)  
 E  
**N. Y.—Buffalo**  
 Western Wire Goods Co.  
 (Picture) .....D  
**N. Y.—Harrison**  
 Moosehead Silk Co. (Silk), X  
 New York City  
 Bishop Gutta Percha Co.,  
 420 E. 25th (Wire) ....B  
 Cathcart & Co., Jno., 115  
 Franklin (Silk for Book-  
 binders') .....E  
 Ellison & Co., A. S. (Silk) B  
 Graham & Co., J. H., 113  
 Chambers (Sash) .....AA  
 Gutta Percha & Rubber Mfg.  
 Co. (Rubber) .....AAAA  
 Hoffman-Corr Mfg. Co., 107  
 Duane (Trolley; Arc  
 Lamp; Bell) .....AA  
 Johns-Manville Co., H. W.,  
 100 William (Asbestos) AAAAA  
 Judd & Co., H. L. (Wire;  
 Picture) .....AA  
 Lawrence Cordage Wks.  
 (Inc.) (Manila; Sisal) ..A  
 N. Y. Belting & Packing Co.  
 (Rubber) .....AAAA

**CORD (Con.)**  
 Rubber Goods Mfg. Co., 233  
 Bway. (Rubber) .....AAAA  
 Schmitzer, B. (Silk) .....O  
 Spencer Optical Co. (Eye  
 Glass) .....O  
 Stine & Co., J. E. (Bell), A  
 Sutro Bros. Braided Co. (Up-  
 holstery) .....A  
 Travers Bros. Co., (Sash) AA  
 Tucker & Carter Rope Co.,  
 76 South (Trolley; Arc  
 Lamp; Bell) .....B  
 Union Upholstery Trimming  
 Co. (Upholstery) .....D  
 Wemple Co., Jay C. (Shade)  
 AA  
**N. Y.—Rochester**  
 Pullman Mfg. Co. (Wire  
 Sash) .....B  
**N. Y.—Schaghticoke**  
 Cable Flax Mills (Builders')  
 A  
**N. Y.—Schenectady**  
 General Electric Co. (Trol-  
 ley) .....AAAA  
**N. Y.—Unadilla**  
 Tie Company (Bicycle) ...D  
**OHIO—Ashland**  
 Ashland Flax Mill Co. (Jute)  
 E  
**OHIO—Canton**  
 Canton Surgical & Dental  
 Chair Co. (Dental) .....O  
**OHIO—Cincinnati**  
 Jacobs Cordage Co. (Sash) A  
 Rettibone Bros. Mfg. Co.  
 (Gold; Silver) .....A  
**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred. J.  
 (Wire; Picture) .....B  
**OHIO—Mansfield**  
 Ohio Brass Co. (Trolley) AA  
**PA.—Philadelphia**  
 Horstmann Co., Wm., H.  
 (Bell; Upholstery; Silk)  
 AAAAA  
 Leeb, Lipper & Co. (Skirt) A  
 Mayer & Englund (Trolley)  
 A  
 Perry, Fergus (Elastic;  
 Wire) .....D  
 Phosphor Bronze Smelting  
 Co. (Sash; Wire; Picture)  
 A  
 Schlichter Jute Cordage Co.  
 (Jute) .....AA  
 Schrack & Sherwood (Up-  
 holstery; Bicycle Lacing)  
 A  
**PA.—Reading**  
 Jackson & Son, Thos. (Jute)  
 AA  
**PA.—Williamsport**  
 Williamsport Wire Rope Co.  
 (Wire; Sash) .....A  
**R. I.—Pawtucket**  
 Phillips Insulated Wire Co.  
 (Electric Lamp) .....AA  
**R. I.—Providence**  
 Davol Rubber Co. (Rubber)  
 AA  
**VA.—Richmond**  
 Wortendyke Mfg. Co. (Car-  
 riage Seaming) .....B

## CORDAGE

**ALA.—Prattville**  
 Prattville Cotton Mills &  
 Banking Co. (Cotton  
 Rope) .....A  
**CAL.—Oakland**  
 California Cotton Mills Co.  
 (Rope; Twine, etc.) ...AA  
**CAL.—San Francisco**  
 California Jute Mill Co.  
 (Twine) .....A  
 Tubbs Cordage Co., 607  
 Front (Manila; Sisal; Rope  
 Binder Twine) .....AAA  
**CONN.—Moodus**  
 Brownell & Co. (Seine  
 Twine) .....D  
 New York Net & Twine Co.  
 (Twine) .....B  
 Undine Twine Mills (Purple,  
 A. E.) (Seine; Sail Twine;  
 Cord) .....A  
**CONN.—New Haven**  
 Hendryx Co., Andrew B.  
 (Braided) .....A  
**CONN.—Norwich**  
 Ossawan Mills Co. (Braided)  
 B

**CORDAGE (Con.)**

**CONN.—Westport**  
 Less Mfg. Co., (Seine; Sail;  
 Gilling; Sea Island, etc.,  
 Twines) .....A  
**DEL.—Wilmington**  
 Planet Mills Mfg. Co. (Jute  
 Rope; Twines) .....AAAA  
**GA.—Athens**  
 Mallison Braided Cord Co., B  
**GA.—Atlanta**  
 Fulton Bag & Cotton Mills  
 (Cotton; Jute Twine), AA  
**GA.—Augusta**  
 Hutcheson Mfg. Co. (Cotton  
 Rope) .....B  
**GA.—Columbus**  
 Eagle & Phenix Mills (Cot-  
 ton; Manila; Sisal), AAAA  
**GA.—Macon**  
 Bibb Mfg. Co. (Seine Twine;  
 Rope) .....AAAA  
**Manchester Mfg. Co. (Seine;**  
**Twine) .....B**  
**IND.—Madison**  
 Eagle Cotton Mills Co.  
 (Twine) .....A  
**IOWA.—Dubuque**  
 Bestoval Mills (Rope; Twine)  
 D  
**KANS.—Independence**  
 Kansas Cotton Twine Co.  
 (Cotton; Sewing, etc.)..D  
**KY.—Covington**  
 Overman & Schrader Cord  
 Co. (Jute; Hemp; Flax;  
 Rope; Twine) .....A  
**KY.—Frankfort**  
 Kentucky River Mills (Hemp  
 Binder; Commercial  
 Twines) .....A  
**KY.—Louisville**  
 January & Wood Co. (Cotton  
 Rope; Twine) .....A  
**MAINE.—Kennebunk**  
 Lord & Co., R. W. (Fishing  
 Twine) .....A  
**MD.—Baltimore**  
 Mount Vernon-Woodberry  
 Cotton Duck Co. (Cotton  
 Twine) .....AAAA  
**MASS.—Andover**  
 Smith & Dove Mfg. Co.  
 (Flax; Twine) .....AA  
**MASS.—Boston**  
 Lockwood Mfg. Co. (Machin-  
 ery) .....X  
 Lord, H. & G. W. (Manila;  
 Sisal) .....A  
 Ludlow Cordage Co. (Rope;  
 Binder Twine) .....A  
 Ludlow Mfg. Associates  
 (Rope; Twine) .....AAAA  
 Sampson Cordage Works, 115  
 Congress (Braided; Cot-  
 ton; Hemp; Manila; Sisal)  
 A  
 Sewal & Day Cordage Co.  
 (Rope; Binder Twine)...B  
 Silver Lake Co., 78 Chaun-  
 cev (Braided; Cotton) ..A  
**MASS.—Fall River**  
 Estes & Sons, J. H. (Rope)  
 B  
**MASS.—Gloucester**  
 Gloucester Net & Twine Co.  
 (Twine) .....A  
**MASS.—Lawrence**  
 Lawrence Duck Co. (Cotton  
 Twine) .....A  
**MASS.—New Bedford**  
 Lambeth Rope Co. (Manila;  
 Sisal) .....B  
 New Bedford Cordage Co.  
 (Hemp; Flax; Manila; Sis-  
 al Twine; Rope).....AAAA  
**MASS.—Newburyport**  
 Bay State Cordage Wks.  
 (Manila Sisal Rope; Binder  
 Twine) .....A  
**MASS.—Newton**  
 Silver Lake Co. (Braided  
 Cords) .....A  
**MASS.—No. Grafton**  
 Paton, Wm. (Cotton Twine)  
 AA  
**MASS.—Plymouth**  
 Plymouth Cordage Co.  
 (Rope; Binder Twine)  
 AAAA  
**MASS.—Westport**  
 Westport Mfg. Co. (Cotton  
 Twine) .....A  
**MICH.—Monroe**  
 Boehme & Rauch Cordage  
 Co. (Rope; Twine) .....C

**CORDAGE (Con.)**

**MINN.—St. Paul**  
 American Grass Twine Co.  
 (Twine) .....AAA  
**MISS.—Columbus**  
 Tombigbee Cotton Mills  
 (Cotton Rope) .....B  
**MISS.—Laurel**  
 Laurel Cotton Mills (Cotton  
 Rope) .....C  
**MISS.—Water Valley**  
 Yocomo Cotton Mills (Cable  
 Cord; Wrapping Twine) B  
**MO.—St. Louis**  
 American Mfg. Co. (Jute  
 Rope) .....A  
 Broderick & Bascom Rope  
 Co., 809 No. Main (Braid-  
 ed) .....AA  
 Macgowan & Finigan (Bin-  
 der Twine) .....A  
 St. Louis Cordage Co. (Sisal  
 Rope; Binder Twine) .AA  
**N. J.—Paterson**  
 Dolphin Jute Mills (Jute  
 Twine) .....AA  
 Sutherland & Edwards Co.  
 (Jute Twine) .....A  
**N. Y.—Auburn**  
 Columbian Cordage Co. (Ma-  
 nila; Sisal) .....AA  
**N. Y.—Brooklyn**  
 American Mfg. Co. (Jute;  
 Sisal; Manila Rope)  
 AAAA  
 Allen's Sons Rope Co., D.  
 (Manila; Sisal) .....B  
 Chelsea Jute Mills (Rope;  
 Twine) .....AAAA  
 Empire State Bag Co.  
 (Rope; Twine) .....C  
 Planet Mills Mfg. Co. (Rope;  
 Twine) .....AAA  
**N. Y.—Maspeth**  
 Catling, Jas. (Manila; Sisal  
 Rope) .....C  
**New York City**  
 American Mfg. Co. (Rope;  
 Binder Twine) .....AAAA  
 Buckingham, Paulsen & Co.  
 (Com. Twines) .....A  
 Halstead & Co., E. S., 75  
 Pearl (Sisal; Tarred  
 Twine) .....B  
 Hamilton & Co., E. H. (Com.  
 Twine) .....A  
 Hart Co., A. H. (Twine)  
 AAA  
 Hoffman-Corr Mfg. Co., 107  
 Duane (Braided) .....AA  
 Kelley & Co., Hy. C. (Com.  
 Rope; Twine) .....B  
 Lawrence Cordage Wks.  
 (Manila; Sisal) .....A  
 Nawrath & Co., J. P. (Com.  
 Twine) .....C  
 Reynolds & Co., Jas. E.  
 (Com Twine) .....A  
 Standard Rope & Twine Co.  
 (Rope; Binder Twine) ..A  
 Travers Bros. Co. (Hemp;  
 Jute; Flax Rope; Twine)  
 AA  
 Tucker & Carter Rope Co.,  
 76 South (Braided) .....B  
 Turner Co., J. Spencer  
 (Com. Twine) .....AAA  
 Wall Rope Works (Hemp;  
 Manila; Sisal) .....A  
 Winne Co., D. P. (Com.  
 Twine) .....C  
**N. Y.—Schaghticoke**  
 Cable Flax Mills (Twine)..B  
**N. Y.—Valley Falls**  
 Thompson & Co., Jas.  
 (Twine) .....AA  
**N. C.—Charlotte**  
 Charlotte Cordage Co.  
 (Braided) .....D  
**N. C.—Cleveland Mills**  
 Cleveland Cotton Mills  
 (Rope; Clothes Lines) .B  
**OHIO—Cincinnati**  
 Jacobs Cordage Co. (Hemp;  
 Flax Cordage; Twine) ..B  
**OHIO—Dayton**  
 Bradley Cordage Co. (Binder  
 Twine) .....B  
**OHIO—Miamisburg**  
 Miamisburg Twine & Cord-  
 age Co. ....A  
**OHIO—Xenia**  
 Hooven & Allison Co.  
 (Twine; Rope; Sash; Bell  
 Cord) .....D  
 Kelley Co., R. (Sisal; Ma-

**CORDAGE (Con.)**  
 nilla Rope) .....B  
**OREGON**—Portland  
 Portland Cordage Co. (Rope)  
 Binder Twine) .....B  
**PA.**—Beaver Falls  
 Keystone Driller Co. (Wall  
 Drilling) .....A  
**PA.**—Easton  
 Easton Cordage Co. (Rope) u  
**PA.**—Hanover  
 Bonte Cordage Co. (Jute;  
 Hemp; Twine) .. . . .O  
**PA.**—Hoboken  
 Flocker & Co., Jno. (Cotton  
 Rope; Hemp; Twine) ...C  
**PA.**—Hulmeville  
 Fricke, Co., J. E. (Cotton  
 Rope; Twine; Yarn)....A  
**PA.**—New Brighton  
 Bently & Gerwig (Rope;  
 Hemp; Flax; Twine; Bind-  
 er Twine) .....A  
**PA.**—Philadelphia  
 Bally, Christopher (Rope;  
 Twine) .....A  
 Balley & Co., Jno. T. (Rope;  
 Twine; Binder Twine)  
 AAAAA  
 Fittler & Co., Edwin H.  
 (Rope; Binder Twine)  
 AAAAA  
 Hooper Sons' Mfg. Co.  
 (Rope) .....B  
 Schlichter Jute Cordage Co.  
 (Rope; Twine, etc) ...AA  
**PA.**—Reading  
 Jackson & Son, Thos. (Ma-  
 nilla; Sisal; Cotton; Jute  
 Rope; Twine) .....A  
**R. I.**—Pawtucket  
 Greene & Daniels Mfg. Co.  
 (Seine; Druggists' Twine)  
 AA  
 Kenyon Mfg. Co., John J.  
 (Braided) .....B  
**R. I.**—Providence  
 American Electrical Works  
 (Incandescent Light)  
 AAAAA  
**S. C.**—Cherokee Falls  
 Cherokee Falls Mfg. Co.  
 (Cotton Rope) .....AA  
**S. C.**—Clinton  
 Clinton Cotton Mills (Cotton  
 Cords) .....A  
**S. C.**—Columbia  
 Columbia Mills Co. (Mt. Ver  
 Duck Co.) (Cotton Rope;  
 Twine) .....AAAA  
**S. C.**—Orangeburg  
 Cornelson, Geo., H. (Cotton  
 Twine; Rope) .....A  
**S. C.**—Pelham  
 Pelham Mills (Cotton Twine)  
 A  
**S. C.**—Spartanburg  
 Beaumont Mfg. Co. (Cotton  
 Twine) .....B  
**TENN.**—Pine Wood  
 Pine Wood Cotton Mills  
 (Woolen Rope, etc.) ....A  
**TEXAS**—Galveston  
 Galveston Bagging & Cord-  
 age Co. (Jute) .....AA  
 Galveston Rope Co. (Sisal  
 Rope; Binders Twine)...A  
**S. C.**—Strathmore  
 Laurel Hill Mill (Cotton  
 Twine) .....D  
**WIS.**—Janesville  
 Rock River Cotton Co. (Cot-  
 ton Twine) .....B

## CORDIALS

See Liquors

## CORDONNETS

**CONN.**—South Manchester  
 Cheney Bros. (Inc.)...AAAA

## CORDOVAN

See Leather

## CORDS

See Trimmings. Dress: also  
 Trimmings, Upholstery

## CORDUROY CLOTHING

Clothing; see Clothing,  
 Men's

## CORDUROYS

**New York City**  
 Folkard & Lawrence (Com.)  
 E  
**New York Mills** ....AAAA  
**PA.**—Catasauqua  
 Wahnetah Silk Co. ....A  
**PA.**—Philadelphia  
 Baker & Co., A. T. (Plush;  
 Velour) .....B  
 Collins & Aikman Co. ...A  
**PA.**—Swarthmore  
 Victory Plush Mill .....B  
**R. I.**—Warwick  
 Crompton Co.....AAA

## CORERS

**MD.**—Baltimore  
 Sinclair-Scott Co. (Fruit;  
 Parers; Slicers Combined)  
 E  
**MASS.**—Leominster  
 Hudson Parer Co. (Fruit;  
 Parers; Slicers Combined)  
 X  
**MASS.**—Worcester  
 Hamblin & Russell Mfg. Co.  
 (Wire) .....B  
 Parker Wire Goods Co. (Ap-  
 ple) .....F  
**N. H.**—Antrim  
 Goodell Co. (Fruit Parers;  
 Slicers Combined) .....A  
**New York City**  
 Stoutenborough, X. (Apple)  
 D  
**PA.**—Mount Joy  
 Rollman Mfg. Co. (Apple) C

## CORES

**CONN.**—Hartford  
 Hartford Machine Screw Co.  
 (Armature; Magnet) AAAAA  
**ILL.**—Chicago  
 Western Electric Co. (Arma-  
 ture; Magnet) .....AAAA  
**New York City**  
 Bunnell & Co., J. H. (Arma-  
 ture; Magnet) .....A  
**N. Y.**—Palmyra  
 Crandall Packing Co. (Gun)  
 D  
**OHIO**—Cleveland  
 Federal Mfg. Co. (Telephone  
 Magnet) .....AAAA

## CORIFIERS

**COLO.**—Denver  
 Denver Fire Clay Co. ....AA

## CORKERS

**ILL.**—Chicago  
 Redlich Mfg. Co. (Wooden;  
 Bottle) .....B  
**MICH.**—Bellaire  
 Richardl & Bechtold (Wood-  
 en Bottle) .....B  
**N. J.**—Newark  
 Sommer's Son, John (Hand)

## CORKS

**GAL.**—San Francisco  
 Illinois Pacific Glass Co., 10  
 Main .....A  
**CONN.**—Norwich  
 Goodman Cork Co. (Granu-  
 lated Cork) .....F  
**D. C.**—Washington  
 Wallace & Menchine, 1208 E.  
 N. W. ....D  
**ILL.**—Chicago  
 Armstrong Cork Co. (Br.) 20  
 Market .....AAAA  
 Chicago Cork Wks., Plym-  
 outh & Polk) .....C  
 Excelsior Cork Cutting Co.,  
 61 Market .....D  
 McCready Cork Co., R. W. A  
 Redlich Mfg. Co., 2 Oak  
 Druggists'; Brewers';  
 Bottlers') .....B

**CORKS (Con.)**

**MD.—Baltimore**  
 Armstrong Cork Co. (Br.) 7  
 N. Howard .....AAAA  
 Crown Cork & Seal Co., AAA  
 McCormick & Co. (Rubber) D

**MASS.—Boston**

American Cork Co., 67  
 Blackstone .....A  
 Boston Cork Wks., 52 Purchase .....X  
 Grosman & Co., E. (Imp.) 127 Broad .....D

**MO.—St. Louis**  
 Armstrong Cork Co. (Br.) 12 No. 2d .....AAAA

**N. J.—Hoboken**  
 Truslow & Fuller .....B  
**N. J.—Newark**  
 Meinecke Cork Co. ....E  
**N. Y.—Brooklyn**  
 Thompson & Norris Co., Prince & Concord ....AA

Paddock Cork Co., DeKalb Av. (Granulated & Curled Cork) .....B  
**N. Y.—Buffalo**  
 Buffalo Cork Factory (F. Bender, Prop.), 429 Genesee .....D

Wright & Co., R. G., 52 Terrace .....AA  
**New York City**  
 Armstrong Cork Co., 57 Murray .....AAAA  
 Boera & Co., J., 192 Pearl D

Budde & Westermann (Imps.) 50 Vesey .....B  
 Calm & Co., H., 67 Murray (Granulated Cork) .....A  
 Colgan, J. B., 675 Hudson, C Danasa & Co., A., (Imp.) 100 Maiden Lane .....AAA

Farrell, W. J., 115 Maiden Lane .....A  
 Frankel Co., Max, 212 Pearl O  
 Gudwill & Bucknell (Imps.) 193 Water .....AAA

Mattson Rubber Co., 26 Bway. (Rubber) .....B  
 Meinecke & Co., 48 Park Pl. (Druggists) .....B  
 Moehring & Co., W. G., 151 Cedar .....A

Mundet & Son, L., (Imps.) 278 Pearl .....C  
 Nonpareil Cork Mfg. Co., Chambers & W. Bway. (Split; Granulated) AAAA  
 Strohmeier & Arpe Co., 83 Water .....A

Wildman & Preherne, 57 N. Moore .....D  
 Wittermann Bros. (Imps.) 188 William .....A  
**N. Y.—Rochester**  
 Campbell, J. H., 11 Bartlett A

**OHIO—Cincinnati**  
 Cinn. Bottlers Supply Co., 82 Main .....C  
 Schivell & Son, F. A., 339 Main .....D

**PA.—Lancaster**  
 Lancaster Cork Wks. ....AAAA  
 Warren & Co., M. W. ....D  
**PA.—Philadelphia**  
 Armstrong Cork Co., 408 N. 3d .....AAAA

Blaese & Co., G., 127 Walnut O  
 Brauer & Son, J., 248 N. Front .....B  
 Bruckman & Son, J. G., 188 N. 3d .....B

Butz Cork Co., A. L., 829 N. 3d .....B  
 Curran, P., 306 Race .....C  
 Wilkie, S., 842 N. 3d .....B

**PA.—Pittsburg**  
 Armstrong Cork Co., 23d & Alleys River (Split; Granulated, etc.) .....AAAA  
 Banar & Wieland, 210 1st Av. ....O

**E. I.—Providence**  
 Davol Rubber Co. (Rubber) AA

**CORKSCREWS**

**CONN.—Meriden**  
 Meriden Britannia Co. ....AAAA

**CORKSCREWS (Con.)**

Meriden Cutlery Co. ....AA  
**CONN.—New Britain**  
 Humason & Beckley Mfg. Co. ....A  
**CONN.—Plainville**  
 Hills Edison .....A  
**CONN.—Wallingford**  
 Wallace Sons Mfg. Co., R. ....AAAA

**CONN.—Winsted**  
 Empire Knife Co. ....B  
**MASS.—N. Attleboro**  
 Blackinton & Co., R. ....A  
**MASS.—Worcester**  
 National Mfg. Co. ....A

**N. H.—Alton**  
 Rockwell-Clough Co. (Advertising; Pocket; Vial) E  
**N. J.—Newark**  
 Crabb & Co., Wm. ....A

Williamson Wire Novelty Co., C. T. ....B  
**N. Y.—Troy**  
 Gorham Mfg. Co., Bway. & 19th .....AAAA

Parks & Parks .....D  
 Smith & Hemenway Co., 296 Bway. ....D  
 Walbridge & Co., J. H., 387 Bway .....B

**PA.—Erie**  
 Erie Specialty Co. ....B  
 Reed Mfg. Co. ....A

**CORN, BROOM**

**ILL.—Arcola**  
 Lyons & Co., Thos. ....A  
 Woodworth, S. L. ....O  
**ILL.—Casey**  
 Johnson & Young .....O

**ILL.—Charleston**  
 Griffen, Geo. B. ....E  
 Marshall, C. T. ....F  
**ILL.—Chicago**  
 Ferry & Co., A. D. ....O

Gross & Co., J. P. ....A  
 Lande & Co., S. ....A  
**ILL.—Humbolt**  
 Danner, J. ....E

**ILL.—Mattoon**  
 Checkley & Co. ....O  
 Gasaway, Chas. D. ....F  
 Phillips Broom Corn Co. ....D  
**ILL.—Oakland**  
 Carter & Son, L. D. ....D

**ILL.—Sullivan**  
 Duncan, W. A. ....D  
**KANS.—Lindsburg.**  
 Anderson, G. A. ....X

Anderson, John .....X  
**KANS.—Sterling**  
 Findlay & Co., Robt. ....O  
**KANS.—Topeka**  
 Supple, Wm. ....D

**MO.—St. Louis**  
 Boggs Broom Corn Co. ....E  
 Loewen Broom Corn Co. ....O  
**OHIO—Dayton**  
 Chambers, M. W. ....O

**OHIO—Sidney**  
 Donaldson & Boal Broom Co. B  
**TENN.—Nashville**  
 Cooley & Co., J. S. ....A

**CORN, CANNED**

See Canned Goods

**CORN, EVAPORATED**

**CAL.—San Francisco**  
 Guggenlime & Co. (Evaporated; Veg.) .....A  
**MICH.—East Tawas**  
 National Milling & Evap. Co. (Evaporated) .....O

**OHIO—Ada**  
 Peterson, Hugh (Evaporated) .....D  
**OHIO—Alger**  
 Thompson & Son, C. P. (Evaporated) .....F

**CORN, POP**

See Popcorn

**CORNMEAL**

Cereals (also Appendix)

## CORNERS

**CONN.**—Bristol  
Sessions & Son, J. H.  
(Trunk) .....AAA  
**ILL.**—Chicago  
Golden Novelty Mfg. Co.,  
194 So. Clinton (Metal) ..C  
**MD.**—Baltimore  
Monumental Mfg. Co.  
(Crate) .....D  
**MASS.**—Worcester  
Warren Leather Goods Co.  
(Leather) .....B  
**MICH.**—Grand Rapids  
Waddell Mfg. Co. (Casket)  
.....B  
**N. J.**—Newark  
Jenkinson & Co., R. O.  
(Box; Sample Case;  
Trunk) .....A  
**N. Y.**—Brooklyn  
De Haven Mfg. Co., 50 Col-  
umbia (Box) .....A  
Prahlar, L. P., 124 Pearl  
(Metal) Pocket Book) ..C  
**New York City**  
Cary Mfg. Co., 19 Roosevelt  
(Box) .....B  
Gould-Mersereau Co. (Car-  
pet) .....B  
Judd & Co., H. L. (Stair)  
.....AA  
**N. Y.**—Northville  
Hubbell, Ray (Stair) ....C  
**OHIO**—Cleveland  
Cleveland Hardware Co.  
(Dash) .....A  
**PA.**—Columbia  
Columbia Grey Iron Co.  
(Window Screen) .....C  
**PA.**—Philadelphia  
Wenar Mailing, E. & B. Co.  
(Book Mailing) .....D  
**VT.**—Burlington  
Porter Screen Mfg. Co.  
(Screen Frame) .....C  
Queen Anne Screen Co.  
(Screen Frame) .....A

## CORNICES

Galvanized Iron, etc.

**ALA.**—Bessemer  
Bessemer Cornice Wks. ....C  
**CAL.**—Fresno  
Kutner-Goldstein Co. ....AAA  
**CAL.**—San Francisco  
Conlin-Roberts .....A  
**CAL.**—San Jose  
Mangrum & Otter Co. ....A  
**CAL.**—Santa Barbara  
Boesoke-Dawe Co. ....B  
**COLO.**—Glenwood Springs  
Duggan, Wm. ....B  
**CONN.**—Bridgeport  
Drouve Co., G., 40 Tulip ..B  
**CONN.**—Meriden  
Griswold, Richmond & Glock  
Co., 2 W. Main .....B  
**CONN.**—New Haven  
Corbett, T. W., 29 Bway...A  
**ILL.**—Batavia  
U. S. Wind Eng. & Pump Co.  
.....AA  
**ILL.**—Chicago  
Allen's Cornice & Corrugat-  
ing Wks., 424 W. Ran-  
dolph .....C  
Bremer & Bielenberg, 1136  
W. 13th .....B  
Knisely Bros., 28th & 5th  
Av. ....B  
McFarland & Co., J. C., 27th  
& 5th Av. ....B  
Sykes Steel Roofing Co., 611  
So. Morgan .....B  
**ILL.**—Peoria  
Bushnell & Son, A. A., 1317  
So. Washington .....B  
Hunter & Strehlow, 114 So.  
Adams .....B  
**IND.**—Evansville  
Mesker & Co., Geo. L. ....AA  
**IND.**—Indianapolis  
Indianapolis Steel Roofing  
& Cornice Co., 25 E. South  
.....O  
**MD.**—Baltimore  
Hetzell & Son, John G. ...A  
**MASS.**—Boston  
Warren Bros. Co., 143 Fed-  
eral .....AA  
**MASS.**—Lowell  
Castello & Co., T., 211 Cen-

## CORNICES (Con.)

tral .....AA  
**MICH.**—Detroit  
Burton & Co., W. J., 164 W.  
Larned .....C  
Detroit Cornice & Slate  
Wks., 145 St. Antoine ...A  
**MINN.**—Duluth  
Duluth Corrugating & Roof-  
ing Co., 126 E. Michigan  
.....B  
**MINN.**—Minneapolis  
Strenel Bros., 1215 Washing-  
ton Av. No. ....C  
**MINN.**—St. Paul  
St. Paul Roofing, Cornice, &  
Ornament Co., Water &  
Wabash .....B  
**MO.**—St. Louis  
Banantine Galv. Iron Mfg.  
Co., 113 Soullard .....A  
Gerock Bros. Mfg. Co., 1252  
Old Manchester Rd. ....C  
Mesker & Bro., 421 So. 6th  
.....AA  
**N. J.**—Jersey City  
N. Y. Iron Roofing & Corru-  
gating Co. ....C  
Ringle & Son, Jacob, 83  
Newark Av. ....A  
**N. J.**—Newark  
Herpers Bros., 18 Crawford  
.....B  
**N. J.**—Trenton  
Trenton Archt. Cornice  
Wks., 101 S. Warren ....C  
**N. Y.**—Albany  
Ackrovd. James .....A  
**N. Y.**—Brooklyn  
Seton, J., 78 Wash Av...B  
**New York City**  
Berger Mfg. Co., 210 E.  
23rd .....AA  
Moseley Iron, Bridge & Roof  
Co., 39 Cortland .....B  
Nugent, Thos., 223 E. 80th  
.....A  
**N. Y.**—Rochester  
Goggin & Knowles, 50  
Franklin .....B  
**N. Y.**—Utica  
Metal Roofing & Cornice Co.,  
71 Main .....AA  
**OHIO**—Akron  
May & Fleberger .....A  
**OHIO**—Cambridge  
Cambridge Roofing Co. ..B  
**OHIO**—Canton  
Berger Mfg. Co. ....C  
Canton Steel Roofing Co...A  
Eller & Co., J. H. ....A  
Kanneberg Roofing & Cell-  
ing Co. ....B  
**OHIO**—Cincinnati  
Fraund Roofing Co., J.,  
Mitchell Av. & B. & O.  
S-rb Ry. ....B  
Kleehler Mfg. Co., Armory  
Av. & Clinton .....C  
Scott & Co., 234 E. Front..B  
**OHIO**—Cleveland  
Cleveland Galvanizing Wks.,  
18 Cooper .....C  
Garry Iron & Steel Co., Coe  
& Lake .....A  
**OHIO**—Columbus  
Kinnear & Gager Co. ....A  
**OHIO**—Forest  
Dickelman Mfg. Co. ....A  
**OHIO**—Salem  
Mullins, W. H. ....A  
**PA.**—Allegheny  
Irwin, Thos. W., 411 Re-  
becca .....A  
**PA.**—Philadelphia  
Gara, McGinley & Co., 23  
S. 17th .....A  
Lupton's Sons, David, Alle-  
gheny Av. & Tulip .....B  
Meade Roofing & Cornice  
Co., 3717 Filbert .....C  
Thorn Co., J. S., 1227 Cal-  
lowhill .....A  
**PA.**—Pittsburg  
Kelghley Metal Ceiling &  
Mfg. Co., 819 Locust ..B  
Rasner & Dinger Co., 100  
2nd Av. ....C  
**R. I.**—Providence  
Clason Arch'l Metal Wks.  
(Inc.), 428 Kinsley Av..C  
**TENN.**—Chattanooga  
Chattanooga Roofing &

**CORNICES (Con.)**

Fdry. Co., 720 Montgome-  
ry Av. ....A  
Mountain City Stove & Mfg.  
Co., 623 Market .....A  
**TENN.**—Nashville  
Phillips & Buttorff Mfg.  
Co., 217 N. College :AAA  
**W. VA.**—Wheeling  
Wheeling Corrugating Co. A  
**WIS.**—La Crosse  
La Crosse Steel Roofing &  
Corrugating Co. ....B  
**WIS.**—Milwaukee  
Milwaukee Corrugating Co.,  
S. Bay & Aldrich .....A

**CORNUCOPIAS**

New York City

Meyer, Bernard .....D

**CORSETS**

& Corset Waists

**CAL.**—San Francisco  
Corner R. Co. ....E  
**CONN.**—Bethel  
Senior Corset Co., A. H.  
(Waists) .....E  
**CONN.**—Bridgeport  
Birdsey & Somers .....A  
Downer, Hawes & Co. ...C  
Warner Bros. ....AAAA  
**CONN.**—Derby  
Brewster Corset Co. ....C  
**CONN.**—New Haven  
Hickok Co. (Custom) ....E  
Koch, Isaac .....D  
Newman & Sons, I. ....A  
Ottenheimer Bros. Co. ....A  
Strause, Adler & Co. .AAA  
Strause & Co., I. ....E  
Todd, Henry H. (Custom-  
made) .....E  
**CONN.**—South Norwalk  
R. & G. Corset Co. ....A  
**ILL.**—Aurora  
Aurora Corset Co. ((&  
Waists) .....AA  
Chicago Corset Co. (S. Flor-  
sheim & Son) (Ladies;  
Children's; Waists) ...A  
**ILL.**—Chicago  
Gage, Downs Co. (& Waists)  
B  
**IOWA.**—Des Moines  
Des Moines Shirt & Corset  
Mfg. Co. ....E  
**KY.**—Louisville  
Peter & Co., Arthur .....B  
**MD.**—Baltimore  
Brinkman & Co., A. H. ...C  
Pohl & Co., E. ....C  
**MASS.**—Boston  
Frost Co., Geo. (& Waists)  
B  
**MASS.**—Springfield  
Bay State Corset Co. ....B  
**MASS.**—Worcester  
Globe Corset Co. (& Waists)  
A  
Royal Worcester Corset Co.  
(& Waists) .....AA  
**MICH.**—Ann Arbor  
Crescent Works (& Waists)  
D  
Goodspeed Mfg. Co. ....E  
Randall Skirt & Corset Co.  
E  
**MICH.**—Detroit  
American Lady Corset Co. C  
American Suit & Corset Co.  
AA  
**MICH.**—Jackson  
Bortree Corset Co. (&  
Waists) .....C  
Coronet Corset Co. (&  
Waists) .....B  
Her Ladyship Corset Co. C  
Jackson Corset Co. (&  
Waists) .....B  
Michigan Corset Co. ....C  
Pandora Corset Co. (&  
Waists) .....C  
Reliance Corset Co. (&  
Waists) .....C  
**MICH.**—Kalamazoo  
Kalamazoo Corset Co. (&  
Waists) .....AA

**CORSETS (Con.)**

Puritan Corset Co. ....B  
**MINN.**—Albert Lea  
Case Corset Co. (& Waists)  
E  
**MO.**—St. Louis  
St. Louis Corset Co. (&  
Waists) .....B  
Western Corset Co. ....C  
Williamson Corset & Brace  
Co. ....D  
**N. J.**—Hoboken  
Horwood & Co., E. H. (&  
Waists) .....E  
**N. J.**—Newark  
Benjamin Bros. ....D  
Bowers & Co., James ...AA  
Delsarte Mfg. & Supply Co.  
(& Waists) .....D  
Ferris Bros. Co. (Waists)..  
AA  
Hellmer & Herzog .....C  
Jackson & Co., T. W. ....B  
Pfeiffer & Co., H. A. (&  
Waists) .....E  
Weingarten Bros. ....AAA  
**N. Y.**—Brooklyn  
California Corset Co. ....E  
Menahan, Patrick J. ....C  
**N. Y.**—McGraw  
McGraw Corset Co., A. P. C  
New York City  
Binner, Madame R. (Cus-  
tom) .....D  
Cohn & Co., M. ....E  
Courtney, Mrs. T. J. ....D  
Kops Bros. ....A  
Normal Corset Co. ....B  
Pansy Corset Co. (Import-  
ers') .....E  
Vlau, B. ....D  
Wade Corset Co. (& Waists)  
AAAA  
Weeks Co., E. J. ....B  
Wolfe, Miss Fannie ....E  
**N. Y.**—Syracuse  
Wood & Co., J. E. ....C  
**N. Y.**—Weedsport  
Weedsport Skirt & Waist  
Co. ....B  
**N. Y.**—Philadelphia  
Anderson & Barry .....A  
Baratet, M. A. ....D  
Eastburn, Channing ....B  
Philadelphia Corset Co. ...B  
Western & Wells Mfg. Co. B  
**R. I.**—Providence  
Gould Corset Co. ....E  
**CORUNDUM**  
**ILL.**—Chicago  
Chicago Wheel & Mfg. Co. C  
**IND.**—Plymouth  
Abrasive Mining & Mfg. Co. B  
**MASS.**—Boston  
Ashland Emery & Corundum  
Co., 100 Boylston .....A  
**MASS.**—Chester  
Hamilton Emery & Corun-  
dum Co. ....C  
**MASS.**—North Grafton  
Washington Mills Emery  
Mfg. Co. ....B  
**MASS.**—Springfield  
Hampden Corundum Wheel  
Co. ....X  
**MASS.**—Westfield  
Vitrified Wheel Co. ....C  
**MASS.**—Worcester  
Norton Emery Wheel Co...  
AA  
**N. H.**—Pike  
Pipe Mfg. Co. ....A  
New York City  
Best, L. ....C  
**PA.**—Philadelphia  
Keystone Emery Mills...C  
**R. I.**—Providence  
American Emery Wheel  
Wks. ....B  
**COSMETICS**  
**MICH.**—Detroit  
Seelye Mfg. Co. ....C  
New York City  
Colgate & Co. ....AAA  
Wetmore Co., S. H. ....D

**COSMETICS (Con.)**  
**OHIO—Cincinnati**  
 Freeman Perfume Co.  
 (Manicure) .....D  
**PA.—Philadelphia**  
 Vail Bros. ....C

## COSTUMES

**ILL.—Greenville**  
 De Moulin & Bro., Ed.  
 (Burlesque; Lodge; Reg-  
 galla) .....A  
**LA.—New Orleans**  
 Alaban, Mrs. Julia .....X  
**MASS.—Boston**  
 Curtis & Weld.....E  
 New York City  
 Koehler & Co., A., 54 Union  
 Sq. (Theatrical) .....C  
 Warnock Uniform Co., 19  
 W. 31st (Theatrical)...C  
**OHIO—Cincinnati**  
 Beck & Sons, Wm. ....C  
**OHIO—New London**  
 Ward & Stetson (Lodge)...C

## COTS

See Beds; Furniture

**ILL.—Chicago**  
 Cold Blast Feather Co.  
 (Folding) .....AA  
 Fowler, John P. (Wire)..D  
 Haggard & Marcusson Co.  
 (Folding.. Wire).....B  
 Union Wire Mattress Co.  
 (Iron) .....AA  
**IND.—Indianapolis**  
 Laycock Mfg. Co., T. B.  
 (Canvas; Wire) .....AA  
**IOWA—Cedar Rapids**  
 Adams Mfg. Co., A. L.  
 (Folding) .....E  
**MICH.—Muskegon**  
 Sargeant Mfg. Co. (Army)  
 B  
**MINN.—Minneapolis**  
 Minneapolis Bedding Co...A  
**MO.—Kansas City**  
 Lloyd, J. H. (Canvas; Wire)  
 D  
**MO.—St. Louis**  
 Missouri Tent & Awning Co.  
 (Canvas) .....B  
 Scarritt-Comstock Furniture  
 Co. (Folding) .....A  
 Smith & Davis Mfg. Co.  
 (Folding) .....AA  
**N. J.—Trenton**  
 Bloom & Godley (Wire)..A  
**N. Y.—Buffalo**  
 Hard Mfg. Co. (Canvas;  
 Folding) .....B  
 New York City  
 Hall, Frank A. (Folding).B  
 McHugh, John F. (Ambu-  
 lance) .....C  
**N. Y.—Rochester**  
 Sisserand Mfg. Co., Essex  
 Bldg. (Finger) .....F  
**N. Y.—Utica**  
 Foster Bros. Mfg. Co. (Can-  
 vas; Folding; Iron; Wire)  
 A  
**OHIO—Akron**  
 Miller Rubber Mfg. Co.  
 (Seamless Tissue) .....B  
**OHIO—Barberton**  
 Pure Gum Specialty Co.  
 (Rubber) .....C  
**PA.—Philadelphia**  
 Pack, W. H. ....X  
**WIS.—Racine**  
 Gold Medal Cam Furniture  
 & Novelty Co. (Army;  
 Folding) .....B

## COTTERS

**CONN.—Chester**  
 Brooks & Sons, M. S.  
 (Spring) .....B  
**MASS.—Plymouth**  
 Cobb & Drew (Spring).AA  
**MASS.—Worcester**  
 Wire Goods Co. (Spring)..A  
**OHIO—Akron**  
 Whitman & Barnes Mfg. Co.  
 (Spring) .....AAAA  
**OHIO—Cincinnati**  
 Cincinnati Screw & Tap Co.

**COTTERS (Con.)**  
 (Spring) .....A  
**OHIO—Cleveland**  
 Standard Tool Co. (Spring)  
 AA  
**OHIO—Dayton**  
 Climax Tag Co. (Spring)..X  
**PA.—Pittsburg**  
 McKay & Co. (Chain).AAA  
**PA.—Sharon Hill**  
 Pickering, R. S. (Spring).E  
**R. I.—Pawtucket**  
 Jenckes Mfg. Co., E.  
 (Spring) .....A  
**R. I.—Valley Falls**  
 Hindley Mfg. Co. (Spring)  
 D

## COTTON DEALERS

**ALA.—Birmingham**  
 Brown, W. S. ....A  
 Drennan & Co. ....A  
 Earle, Terrell & Co. ....A  
 Hood, Fielding & Co. ....A  
**ALA.—Eufaula**  
 Shorter, E. S. (Warehouse)  
 B  
**ALA.—Mobile**  
 Burgess & Co., D. R. ....A  
 Bush & Co., J. C. ....AAA  
 Heurin, Morriss & Co....A  
 Ross Bros. & Co. ....B  
 Tonat, L. ....A  
 Watters & Co., J. A. ....B  
**ALA.—Montgomery**  
 Marks & Gayle .....B  
**ALA.—Selma**  
 Hooper & Co., C. W.....A  
 Lamar, L. & E. ....A  
 Woolsey, M. ....B  
**ALA.—Tuskegee**  
 Campbell & Wright .....A  
**ARK.—Little Rock**  
 Carl & Tobey Co. ....B  
 Geyer & Adams Co. ....B  
 Penzel Grocery Co., C. F...B  
**ARK.—Pine Bluff**  
 Blumenthal & Co., S....B  
 Gillespie & Bro. Co....B  
 Hammett Grocery Co. ....B  
**GA.—Athens**  
 Moss & Co., R. L. ....B  
 Phinizy, Billups .....B  
**GA.—Augusta**  
 Nixon & Danforth .....A  
 O'Dowd Sons & Co., M...B  
 Phinizy & Co. ....A  
 Pope & Fleming .....A  
 Whitney, S. M. ....A  
**GA.—Savannah**  
 Brantley Co., A. P. ....A  
**GA.—Carrollton**  
 Mandeville & Co., L. C...A  
**GA.—Columbus**  
 Blanchard, Humber & Co..A  
 Bradley Co., W. C. ....A  
 Davis & Co., J. T. Jr....A  
**GA.—Griffin**  
 Boyd, Douglas .....A  
**GA.—Macon**  
 English, Johnston & Co..  
 AAAA  
 Heard Bros. ....A  
 Jones, B. L. ....A  
 Mayer & Watts .....B  
 Willingham, C. B. ....A  
**GA.—Savannah**  
 Butler, Stevens & Co. ....A  
 Ellis, Chas. ....A  
 Flannery, John .....A  
 Gordon & Co., W. W. ....A  
 Hunter, Pearce & Battery  
 A  
 Leffler Co., A. ....AA  
 William & Co., J. P. ....AA  
 Wood & Bro., J. S. ....B  
**GA.—Senola**  
 Couch & Co., M. H.....A  
**KY.—Louisville**  
 McCord & Wright, 631 Main  
 B  
**LA.—Alexandria**  
 Taylor Co., W. F. ....A  
**LA.—New Orleans**  
 Abraham & Son, Hy., 216  
 Broome .....A  
 Atkinson & Co., Wm., 824  
 Gravier .....A  
 Frankenhush & Son, J. M.,  
 806 Perdido .....A

**COTTON DEALERS**

Gumbel & Co., F., 812  
 Perdido .....AAA  
 Gumbel & Co., S., 824  
 Gravier .....AAAA  
 Hardies' Sons & Co., J. T.,  
 843 Union .....B  
 Hardie & Co., W. T., 938  
 Gravier .....A  
 Hyman, Hiller & Co., 829  
 Union .....AA  
 Lehman, Stern & Co., 839  
 Gravier .....A  
 Levy & Sons, M., 830 Gra-  
 vier .....A  
 Lichtenstein & Son, H., 848  
 Union .....A  
 Minge & Co., C. H., 845  
 Union .....A  
 Newman, H. & C., 932  
 Union .....AA  
 Parker & Co., J. M., 819  
 Perdeda .....A  
 Peale & Co., W. A., 838  
 Union .....B  
 Putnam & King, 926 Gra-  
 vier .....A  
 Richardson & May, 820  
 Perdido .....A  
 Stewart Bros. & Co., 836  
 Union .....AAAA  
 Thomas & Co., S. O., .....A  
 Thompson & Co., W. B., 808  
 Perdedo .....B  
 Walmsley, S. P., 812  
 Perdedo .....A  
 Wells & Co., J., 817 Gravier  
 AAAA

**MD.—Baltimore**

Elliot Bros., 21 S. Gay...A  
 Turnbull & Morris, German  
 & Calvert .....B

**MASS.—Boston**

Beebe & Co., Lucius, 89  
 State .....A  
 Emerson & Co., A., 683 At-  
 lantic Av. (Waste) ...B  
 Hill & Cutler, 567 Atlantic  
 Av. (Waste) .....B  
 Purdy & Co., O. N., 290  
 Sumner (Peruvian) ...B  
 Remick & Co., T., 489 At-  
 lantic Av. (Waste) ...A

**MASS.—Springfield**

Mayo & Co., A. N., 156  
 Lyman (Waste) .....A

**MASS.—Taunton**

Carr, Peter H. (also Waste)  
 AA

**MISS.—Corinth**

Corinth Cotton Com. Co. AA

**MISS.—Greenville**

Blum, A. ....B  
 Crittenden & Co., O. B. ...B  
 Ireys & Co., Henry T. ...B

**MISS.—Jackson**

Hart, J. & B. ....AA  
 Johnson-Taylor Co. ....B

**MISS.—Meridian**

Lyle, J. T. ....B  
 Marks, Rothenberg & Co. ...

Threefoot Bros. & Co. ....AAA

Winnier & Meyers .....AA

**MISS.—Natchez**

Carpenter & Co., J. N. ...A  
 Lowenburg & Co., I. ....A  
 Postlewait & Chase .....B

**MISS.—Tupelo**

Clark & Co. ....B

**MISS.—Vicksburg**

Brown, Sam. ....AAAA  
 Vicksburg Cotton Press

Assn. ....A

Willis, Moore & Co. ....A

**MISS.—Yazoo City**

Powell, J. F. ....B

**MO.—St. Louis**

Adler-Goldman Com. Co.,  
 108 S. Main .....AAAA  
 Allen-West Com. Co., 104  
 S. Main .....A

Hill Cotton Co., Napoleon,  
 116 S. Main .....A

Senter Comm. Co., 3rd, cor.  
 Walnut .....B

**N. C.—Waxhaw**

Heath Co., A. W. ....A

Rodman, Heath & Nivens  
 B

**N. C.—Wilmington**

Calder Bros. ....A

**COTTON DEALERS**

Sprunt & Son, Alex. ...AA  
 Worth Co., The .....B

**OHIO—Cincinnati**

Railway Supply & Mfg. Co.,  
 1242 Harrison Av. (also  
 Waste) .....B

**OKLA.—Oklahoma City**

Amer. Cotton Co. ....AAAA  
 Oklahoma Compress Co. ...B

**PA.—Philadelphia**

D'Oller & Co., Wm., 3rd &  
 Chestnut .....A  
 Hoffman, Geo. E., 248  
 Chestnut .....A

Hyde, Edw. S., 223 Chest-  
 nut .....B

McFadden & Bro., G. H.,  
 121 Chestnut .....AAA

McCloskey, John J., 34  
 N. Front (Waste) .....A

O'Neill, Chas., 57 N. Front..  
 AA

Sloan & Co., N. P., 241  
 Chestnut .....B

**PA.—Pittsburg**

Childs & Co., Harvey L.  
 (Waste) .....A

R. I.—Pawtucket

Briggs & Co., H. A.  
 (Waste) .....A

R. I.—Providence

Brooks, Geo. B., 297 Canal  
 (Waste) .....B

Deming & Co., R. H., 10  
 S. Water .....A

Emerson & Co., A., 176  
 W. Exchange (also  
 Waste) .....B

R. I.—Woonsocket

Ray, E. K. (Waste) ...AAA

**S. C.—Charleston**

Inman & Co. ....AA

Seignious, James M. ....B

Wagener & Co., F. W. AAA

Whaley & Rivers .....B

**TENN.—Memphis**

Ball & Co., W. M., 286  
 Front .....A

Bowdre Bros. & Co., 272  
 Front .....A

Boyd & Son, Irby, 352 Front  
 B

Brown & Perkins, 266  
 Front .....B

Chism Bros. & Co., 332  
 Front .....B

Delta Cotton Co., 8½ Madi-  
 son .....A

Dillard & Coffin Co., 306  
 Front .....A

Dockery & Donelson, 320  
 Front .....B

Duffin Bros. & McGehee,  
 272 Front .....A

Fargason & Co., J. T., 869  
 Front .....A

Frank & Co., J. T., 282  
 Front .....A

Fulmer & Co., 348 Front...A

Gage & Co., W. A., 800  
 Front .....A

Goodlett & Co., 282 Front...A

Hill Cotton Co., Jerome, 334  
 Front .....B

Hughes & Mercer, 224  
 Front .....B

Knight, Nelson & Co., 304  
 Front .....A

Lundee, Chapman & Co., 384  
 Front .....B

Mallory & Sons Co., 381  
 Front .....AA

Palk, Spinning & Co., 268  
 Front .....A

Pritchett, McCormack &  
 Co., 9 Union .....B

Sledge-Norfleet Co., 372-374  
 Front .....A

Stewart, Gwynne & Co., 356-  
 358 Front .....A

Tate Bros., 336 Front...B

Taylor & Co., W. F., 314  
 Front .....A

Wilson-Ward Co., 4 W.  
 Court .....B

Wyme, Love & Co., 361  
 Front .....B

Schloss, Miller & Malone  
 (Comm. Brokers) ..AAAA

**TEXAS—Anna**





# COTTON GOODS

**CONN.—Voluntown**  
 Briggs Mfg. Co. (Sateens; Twills) .....A  
**CONN.—Waterbury**  
 American Mills Co. (Narrow Elastic; Non-Elastic Fabrics) .....B  
**CONN.—Waugrean**  
 Waugrean Co. (Lawn; Fancy) .....AAA  
**CONN.—Willimantic**  
 Willimantic Cotton Mills Corp. (Plain three & four leaf Twills; Sateens; Fancy Goods) .....A  
 Windham Mfg. Co. (Twills; Sheetings; Prints) .....B  
**CONN.—Wilmington**  
 Brancroft Sons & Co. Joseph (Window Shade Fabrics; Window Hollands; Book Cloths) .....AAAA  
**GA.—Athens**  
 Athens Mfg. Co. (Plaids; Convict Stripes) .....A  
**GA.—Atlanta**  
 Atlanta Cotton Mills (Sheetings; Drills) .....A  
 Elizabeth Cotton Mills (Drills; Sheetings) ....B  
 Exposition Cotton Mills (Sheetings; Shirtings; Drills) .....AAA  
 Fulton Bag & Cotton Mills (Light Sheetting; Batting) ..AA  
**GA.—Augusta**  
 Augusta Factory, The (Sheetings; Shirtings; Drills) .....AAA  
 Enterprise Mfg. Co. (Brown Sheetings; Shirtings; Drills) .....AA  
 Globe Cotton Mills (Duck; Sheetings; Osnaburg; Drills) .....C  
 Graniteville Mfg. Co. (Sheetings; Shirtings) .....AAAA  
 Langley Mfg. Co. (Sheetings; Shirtings; Drills) .....AAA  
 Riverside Mills (Batting; Machinery Waste Paper Stock; Waste) .....A  
 Sibley Mfg. Co. (Stripes; Ducks; Plaids; Brown Goods; Chevliots; Crashes) .....AAA  
 Warren Mf. Co. Cotton (Standard Print) .....AA  
**GA.—Carrollton**  
 Mandeville Mills (Sheetings) .....A  
**GA.—Columbus**  
 Columbus Mfg. Co. (Sheetings) .....AA  
**Eagle & Phenix Mills**  
 (Plaids; Gingham; Denims; Domets; Cotton Worsted; Cottonades; Kerseys; Tickings; Prison Stripes; Chevliots) .....AAAA  
 Muscogee Mfg. Co. Chevliots; Fancy Shirting; Denims; Kerseys) .....A  
 Swift Mfg. Co. (Cottonades; Plaids; Checks) .....A  
**GA.—Dalton**  
 Crown Cotton Mills (Duck; Osnaburgs) .....A  
**GA.—Dublin**  
 Dublin Cotton Mills (Sheetings) .....B  
**GA.—Eastman**  
 Eastman Cotton Mills ...B  
**GA.—Gainesville**  
 Gainesville Cotton Mills (Sheetings; Drills) ....A  
**GA.—Greensboro**  
 Mary-Leila Cotton Mills (Sheeting; Drills) .....B  
**GA.—Griffin**  
 Boyd-Mangham Mfg. Co. (Fancy Weaves) .....A  
 Griffin Mfg. Co. (Hickory Stripes; Cottonades; Plaids; Chevliots; Denims; Fancy Ducks) .....AA  
 Kincaid Mfg. Co. (Damasks; Crashes) .....AA  
 Rushton Cotton Mills (Brown Sheetings; Domets; Momie, &c.) ....A

# COTTON GOODS

**GA.—Harmony Grove**  
 Harmony Grove Mills (Brown Shirtings; Sheetings; Drills) .....A  
**GA.—Hartwell**  
 Witham Cotton Mills (Sheetings; Drills) .....B  
**GA.—High Shoals**  
 High Shoals Mfg. Co. (Shirtings; Stripes) .....A  
**GA.—Hogansville**  
 Hogansville Mfg. Co. (Duck) .....AAAA  
**GA.—Jefferson**  
 Jefferson Cotton Mills (Brown Sheetings) .....A  
**GA.—La Fayette**  
 Union Cotton Mills (Fine Sheetings; Drills) .....A  
**GA.—La Grange**  
 Dixie Cotton Mills (Duck; Sheetting; Drills) .....A  
 United Cotton Mills (Duck) ..AA  
**GA.—Lindale**  
 Mass. Mills in Georgia (Sheetings; Drills; Duck) .....AAAA  
**GA.—Macon**  
 Willingham Cotton Mills (Sail; Hose; Belting Duck) .....A  
**GA.—Monroe**  
 Monroe Cotton Mills (Sheetings) .....A  
 Walton Cotton Mills Co. (Drills; Sheetings) ....B  
**GA.—Moultrie**  
 Moultrie Cotton Mills (Sheetings; Drills) .....A  
**GA.—Pelham**  
 Pelham Mfg. Co. (Duck; Osnaburgs; Drills) ...B  
**GA.—Poulan**  
 Poulan Cotton Mills (Sheetings) .....B  
**GA.—Rome**  
 Anchor Duck Mills (Duck) .....B  
**GA.—Roswell**  
 Roswell Mfg. Co. (Sheetings; Shirtings) .....A  
**GA.—Valdosta**  
 Strickland Cotton Mills (Sheetings; Drills) ....A  
**GA.—West Point**  
 Lanett Cotton Mills (Duck; Sheetings; Drills; Sateens) .....AAA  
 Riverdale Cotton Mills (Duck) .....B  
**GA.—Winder**  
 Winder Cotton Mill (Denims) .....B  
**ILL.—Aurora**  
 Aurora Cotton Mills (Brown Sheetings) .....AA  
**ILL.—Chicago**  
 Bliss, Fabran & Co. (Commission Print G'ds.) .....AAAA  
 Burton Co., J. (Bats; Felts) .....B  
 Catlin & Co. (Commission) .....AAAA  
 Converse, Stanton & Co. (Commission) .....AAA  
 Faulkner, Page & Co. (Commission Denims; Dress Goods) .....AAA  
 Foster & Co., F. A. (Comm. Sheetings; Shirtings) ..AA  
 Jenkins, Kreer & Co. (Comm.) .....B  
 Lawrence & Co. (Comm. Prints; Sheetings; Dress Goods) .....AAAA  
 Minot, Hooper & Co. (Comm. Sheetings; Shirtings; Drills) .....AAAA  
 Record & Co., M. L. (Comm.) .....AAA  
 Shaw & Co., T. A. (Comm.) .....AAA  
 Slater & Sons, S. (Comm.) .....AAAA  
 Wellington, Sears & Co. (Comm. Duck; Bunting; Cotton Goods) .....AAAA  
 Wood & Son, Jos. W. (Comm.) .....A  
**IND.—Cannelton**  
 Indiana Cotton Mills (Brown Sheetings) .....A

**COTTON GOODS****IND.—Evansville**

Evansville Cotton Mfg. Co.  
(Sheeting; Drills; Bat-  
ting) .....A

Lincoln Cotton Mills Co. ...A

**IND.—Indianapolis**

Brower & Love Bros. (Brown  
Sheeting) .....A

**IND.—Madison**

Eagle Cotton Mills Co.  
(Brown Sheetings; Drills;  
Carpet Warps) .....A

**LA.—Monroe**

Ouachita Cotton Mills  
(Sheetings) .....A

**LA.—New Orleans**

Lane Mills of New Orleans  
(Denims; Camlets; Drills;  
Stripes) .....AA

Maginnis Cotton Mills  
(Sheetings; Shirtings; Os-  
naburgs; Twills; Duck;  
Canton; Drills) .....AA

**MAINE—Auburn**

Barker Mill (Sheeting;  
Shirting) .....A

**MAINE—Augusta**

Edwards Mfg. Co. (Print  
Cloths; Sheetings) .....AAAA

**MAINE—Biddeford**

Pepperell Mfg. Co. (Sheet-  
ings; Flannels; Drills;  
Jeans; Shirtings) .....AAAA

**MAINE—Brunswick**

Cabot Mfg. Co. (Fine Shirt-  
ings) .....AAA

**MAINE—Lewiston**

Androscoggin Mills (Sheet-  
ings; Shirtings; Sateens;  
Seersuckers) .....AAA

Bates Mfg. Co. (Gingham;  
Seersuckers) .....AAAA

Continental Mills (Sheet-  
ings; Twills; Lawns; Sa-  
teens; Muslin; Momie  
Cloth) .....AAAA

Hill Mfg. Co. (Sheetings;  
Twills; Shirtings; Sa-  
teens) .....AAAA

**MAINE—Lisbon**

Farwell Mills (Fine Sheet-  
ings; Shirtings; Fancy  
Goods) .....AA

**MAINE—Saco**

York Mfg. Co. (Denims;  
Dress Goods; Gingham) ...AAA

**MAINE—Waterville**

Lockwood Co. (Sheetings;  
Shirtings) .....AAAA

**MD.—Albertyon**

Albertyon Cotton Mills;  
(Duck; Drills; Twills;  
Osnaburgs) .....AAAA

**MD.—Baltimore**

Ashland Mfg. Co. (Duck) ...AAA

Carey; Bayne & Smith Co.  
(Com.) .....AA

Dickey & Sons, W. J. (Com.) ...AAA

Mount Vernon - Woodberry  
Cotton Duck Co. (Duck) ...AAAA

Woodward, Baldwin & Co.  
(Com.) .....AAAA

**MD.—Hchester**

Thistle Mills Co. (Cotton-  
ades; domets; Crashes) A

**MD.—Millington**

Unicorn Mills (Fancy  
Weaves; Crashes, etc.) ...A

**MD.—Oella**

Dickey & Sons (Oella Mills)  
(Duck) .....AAA

**MD.—Warren**

Warren Mfg. Co. (White;  
Colored Duck; Cottonades) ...A

**MASS.—Adams**

Berkshire Cotton Mfg. Co.  
(Fine) .....AAAA

Renfrew Mfg. Co. (Dress  
Goods; Turkey Red De-  
masks; Demasks; Madras  
Shirtings) .....AAAA

**MASS.—Amesbury**

Hamilton Woollen Co.  
(Print Cloths; Sheetings) ...AAA

**MASS.—Blackstone**

Blackstone Mfg. Co. (Sheet-  
ings; Shirtings) .....AA

**COTTON GOODS****MASS.—Boston**

Amory, Browne & Co. (Com.  
Sheetings; Ticks; Ging-  
hams) .....AAA

Battelle, Hurd & Co. (Com.  
Duck; Sheetings; Shirting;  
Gingham) .....A

Bishop, Robt. (Est. of)  
(Nat. Carp. Lining Co.),  
157 W. 6th (Dyed; Carded) ...A

Bliss, Fabyan & Co. (Com-  
Print Gods) .....AAAA

Catlin & Co. (Com.) .....AAAA

Faulkner, Page & Co. (Com.  
Denims; Dress Goods) ...AA

Floyd Bros. & Co. (Com.) ...AA

Foster & Co., F. A. (Com.  
Sheeting; Shirting) ...AA

Howard Mfg. Co., Ch'town  
(Elastic) .....A

Joy, Langdon & Co. (Com.  
Prints) .....AAAA

Lane & Co., J. H. (Com.) ...AAA

Lawrence & Co. (Com.  
Prints; Sheetings; Dress  
Goods) .....AAAA

Minot, Hooper & Co. (Com.  
Sheeting; Shirting; Drills) ...AAAA

Nevins Co. (Com. Ticks;  
Cotton Flannels) .....A

Parker, Wilder & Co. (Com.  
Sheetings) .....AAAA

Smith, Hogg & Co. (Com.) ...AAAA

Wellington, Sears & Co.  
(Com. Duck; Bunting;  
Cotton Gods) .....AAAA

**MASS.—Chicopee**

Dwight Mfg. Co. (Sheetings;  
Sheetings; Dress Goods) ...AAAA

**MASS.—Chicopee Falls**

Chicopee Mfg. Co. (Sheet-  
ings) .....AAAA

**MASS.—Clinton**

Lancaster Mills (Gingham;  
Cheviots; Dress Goods) ...AAAA

**MASS.—Colerain**

Griswoldville Mfg. Co.  
(Shirtings; Sheetings; Ab-  
sorbent Gauze) .....A

**MASS.—Dodgeville**

Hebron Mfg. Co. (Dodgeville  
Mills) (Fine Sheetings;  
Twills) .....A

**MASS.—Exeter**

Exeter Mfg. Co. (Shirtings;  
Sheetings, etc.) .....A

**MASS.—Fall River**

American Linen Co. (Print  
Cloths) .....AAA

Arkwright Mills (Spec.) AA

Barnaby Mfg. Co. (Fine Col-  
ored) .....AA

Barnard Mfg. Co. (Plain  
Twill; Sateen; Fancy) ...AAA

Borden Mfg. Co., Rich  
(Print Cloths) .....AAA

Borden City Mfg. Co. (Wide  
Gods; Spec.) .....AAAA

Bourne Mills (Sateen;  
Twills) .....AA

Chance Mills (Twills; Print  
Cloths) .....AAA

Conanticut Mills .....A

Cornell Mills (Print Cloths) ...AA

Davis Mills (Fine; Fancy) ...A

Davol Mills (Sheetings;  
Shirtings; Fancy Cottons) ...AA

Durfee Mills (Print; Odd  
Goods) .....AAA

Fall River Iron Wks. Co.  
(Print Cloths) .....AAAA

Fall River Mfg. ....A

Flint Mills .....AA

Granite Mills (To order) ...AAAA

Hargrave Mills (Fine Goods) ...AAA

King Phillip Mills (Cam-  
bric; Muslin; Sateens;  
Lawns) .....AAAA

Laurel Lake Mills (Print  
Cloths) .....AA

## COTTON GOODS

Merchants Mfg. Co. (Print Cloths) .....AAA  
 Metacomet Mfg. Co. ....AAAA  
 Narragansett Mills (Corset Jeans; Sateens; Print Cloths) .....AA  
 Osborn Mills (Print Cloths) .....AAA  
 Parker Mills (Fine Goods)  
 Pocasset Mfg. Co. (Sheetings; Print Cloths; Shirtings) .....AAA  
 Robeson Mills .....B  
 Sagamore Mfg. Co. (Print Cloths) .....AAA  
 Seacomet Mills (Odd Goods) .....AAA  
 Shove Mills (Print Cloths) .....AAA  
 Slade Mills (Print Cloths; Twills; Sateens) .....AA  
 Stafford Mills (Print Cloths) .....AAAA  
 Tecumseh Mills (Odd Goods) .....AAA  
 Troy Cotton & Woolen Mfr. (Print Cloths) .....AAA  
 Union Cotton Mfg. Co. (Print Cloths) .....AAA  
 Wampanoag Mills (Print Cloths; Twills; Sateens) .....AAA  
 Wheelamoe Mills (Print Cloths) .....AAA  
**MASS.—Fitchburg**  
 Fitchburg Duck Mills (Sail; Belting; Hose Duck) ....A  
 Nockeye Mill (Plain; Fancy Cloths) .....A  
 Parkhill Mfg. Co. (Fine Dress Goods) .....AA  
**MASS.—Grafton**  
 Fisher Mfg. Co. (Fancy) .....AAA  
 Saunders Cotton Mills (Twills; Sateens; Sheetings; Shirtings) .....B  
**MASS.—Holyoke**  
 Lyman Mills (Sheetings; Shirtings; Drills; Lawns) .....B  
**MASS.—Lawrence**  
 Atlantic Cotton Mills (Sheetings; Sateens) .....AAA  
 Everett Mills (Dress Goods; Cottonades; Shirtings; Denims) .....c.AAA  
 Lawrence Duck Co. (Duck) .....A  
 Pacific Mills (Prints; Fancy; Denims; Delaines) .....AAAA  
 Pemberton Mfg. Co. (Cottonades) .....AA  
**MASS.—Lowell**  
 Appleton Co. Sheetings; Drills) .....AA  
 Boot Cotton Mills (Drills; Sheetings; Shirtings; Fancy Dress Goods) .....AAAA  
 Hamilton Mfg. Co. (Prints; Shirtings; Stripes; Drills; Flannels) .....AAAA  
 Lowell Weaving Co. (Sail Duck; Fire Cloths) .....D  
 Mass. Cotton Mills (Sheetings; Shirtings; Drills; Canton Flannel; Denims; Duck, etc.) .....AAAA  
 Merrimack Mfg. Co. (Prints) .....AAAA  
 Tremont & Suffolk Mills (Sheetings; Shirtings; Drills; Cotton Flannels) .....AAA  
**MASS.—Mechanics Mills**  
 Mechanics Mills (To order) .....AAA  
**MASS.—Methuen**  
 Methuen Co. (Ginghams; Ticks; Shirtings; Duck) .....A  
**MASS.—Millbury**  
 Cordis Mills (Ticks) .....A  
**MASS.—Montague**  
 Turners Falls Cotton Mills (Sheetings; Shirtings) ...A  
**MASS.—New Bedford**  
 Acushnet Mill Corp. (Bleached; Brown) .....AAA  
 Bristol Mfg. Corp. (Print Cloths) .....AAA  
 Butler Mill .....AAA  
 Dartmouth Mfg. Corp. (Fine Goods) .....AAA

## COTTON GOODS

Grinnell Mfg. Corp. (Fine Goods) .....AAAA  
 Pierce Mfg. Co. ....AAAA  
 Potomsker Mills Corp. (Fine Soule Mill (Fine) .....AAA  
 Wamsutta Mills (Shirtings; Sheetings; Muslin; Lawns; Sateens) .....AAAA  
 Whitman Mills .....AAAA  
**MASS.—No. Adams**  
 Beaver Mill (Fine) .....AAAA  
 Eclipse Mill (Fine) .....AAAA  
 Greylock Mills (Lawns; Sateens; Sheetings) .....A  
 Johnson-Dunbar Mills Co. (Gingham; Dress Goods; Madras) .....A  
**MASS.—Northbridge**  
 Whiting Mfg. Co. Paul (Cambrics; Lawns; Sateens) .....A  
 Whitinsville Cotton Mills (Fine) .....A  
**MASS.—Palmer**  
 Boston Duck Co. (Duck) .....AA  
 Otis Co. (Dress Goods; Denims; Shirting) .....AAAA  
 Thorndike Co. (Ticks; Stripes; Shirtings) .....AAA  
**MASS.—Plymouth**  
 Plymouth Woolen & Cotton Co. (Sail Duck) .....D  
**MASS.—Salem**  
 Naumkeag Steam Cotton Co. (Shirtings; Sateens; Sheetings; Drills) .....AAAA  
**MASS.—Sturbridge**  
 Fiskdale Mills (Print Cloths) .....AA  
**MASS.—Taunton**  
 Coer Mfg. Co. (Plain; Fancy) .....AA  
 Poole Mills, Elizabeth (Cotton Flannels) .....B  
 Whittenton Mfg. Co. (Dress Goods) .....AAA  
**MASS.—Thorndike**  
 Thorndike Co. (Denims) .....AAA  
**MASS.—Three Rivers**  
 Palmer Mills (Otis Co.) (Fancy Denims) .....AAAA  
**MASS.—Uxbridge**  
 Uxbridge Cotton Mills (Fine Sheetings; Shirtings) ...A  
**MASS.—Waltham**  
 Boston Mfg. Co. (Sheetings; Colored Fabrics; Cotton; Silk Mixtures) .....A  
**MASS.—Ware**  
 Otis Co. (Checks; Denims; Awnings) .....AAAA  
**MASS.—Warren**  
 Thorndike Co. (Ticking; Husking Cloth; Linings; Shirtings) .....AAA  
**MASS.—Webster**  
 Slater Mills, H. N. (Silestias; Jaconets; Lawns; Sateens; Cambrics) .....AAAA  
**MASS.—White Valley**  
 White Valley Mills (Blue Denims) .....AA  
**MASS.—Winchendon Springs**  
 White Bros. (Denims) .....AAA  
**MASS.—Worcester**  
 Wachusett Mills (Fancy) ...C  
**MISS.—Columbus**  
 Tombridge Cotton Mills (Shirting; Sheetings; Osanburgs) .....B  
**MISS.—Meridian**  
 Meridian Cotton Mills (Plain; Fancy Weaves), B  
**MISS.—Natchez**  
 Natchez Cotton Mills (Brown Sheetings; Shirtings; Drills) .....B  
**MISS.—Stonewall**  
 Stonewall Cotton Mills (Sheetings; Drills; Osanburgs; Madras) .....AA  
**MISS.—Tupelo**  
 Tupelo Cotton Mills (Sheetings; Drills; Denims) ...B  
**MISS.—Wesson**  
 Mississippi Mills (Domets; Fancy Cotton, Worsteds) .....AAA  
**MISS.—Winona**  
 Winona Cotton Mills (Sheetings; Drills; Shirtings) ...B  
**MO.—St. Louis**  
 Fame Cotton Mills (Sheet-

COTTON GOODS	
ing) .....	AAAA
N. H.—Claremont	
Monadnock Mills (Sheetings)	A
N. H.—Dover	
Cocheco Mfg. Co. (Cloths for Printing) .....	AAA
N. H.—Greenville	
Columbian Mfg. Co. (Denims; stripes Cheviots; Ticks) .....	A
N. H.—Jaffray	
Jaffray Mills (Denims)...	A
N. H.—Manchester	
Amory Mfg. Co. (Sheetings; Jeans; Shirtings; Sateens) .....	AAAA
Amoskeag Mfg. Co. (Gingham; Denims; Ticks) .....	AAAA
Manchester Mills (Prints) .....	AAAA
Stark Mills (Sheetings; Shirtings; Ducks; Drills) .....	AAAA
N. H.—Nashua	
Jackson & Co. (Sheetings; Shirtings) .....	AAAA
Nashua Mfg. Co. (Shirtings; Sheetings) .....	AAAA
N. H.—Newmarket	
Newmarket Mfg. Co. (Shirtings; Sheetings; Pongees) .....	AAAA
N. H.—Pembroke	
China Mfg. Co. (Print Cloths) .....	B
Webster Mfg. Co. (Print Cloths) .....	AA
N. H.—Salmon Falls	
Salmon Falls Mfg. Co. (Fine; Fancy Goods; Sateens) .....	AAAA
N. H.—Somersworth	
Great Falls Mfg. Co. (Shirtings; Sheetings; Drills) .....	AAAA
N. J.—May's Landing	
May's Landing Water Power Co. (Print Cloths) ....	A
N. J.—Yardville	
Morris & Co. (Duck) ....	A
N. Y.—Cohoes	
Harmony Mills (Print Cloths; Sateens) ..	AAAA
N. Y.—Elmira	
Call Mfg. Co. (Interlinings)	C
N. Y.—Newburgh	
Newburgh Steam Mills (Print Cloths) .....	AAAA
New York City	
Amory, Browne & Co. (Com. Sheetings; Ticks; Gingham) .....	AAA
Bailey & Co., Joshua L. (Com.; Jeans; Cotton; Worsteds; Gingham; Sheetings; Denims; Flannelles) .....	AAAA
Baker, Carver & Morrell (Com. Duck) .....	A
Battelle, Hurd & Co. (Com.)	A
Bausher & Co., C. L. (Com.; Ticks; Denims; Gingham; Mapped Fabrics; Brown; Bleached Cottons), ..	AAAA
Bernhard & Son, B., (Com.)	A
Bernheimer & Bro., Jacob S. (Com.) .....	AAA
Bernheimer & Walter (Com.) .....	AAA
Bliss, Fabyan & Co. (Com. Prints) .....	AAAA
Brown Sons & Co., M. (Com.; Jeans; Cottonades)	B
Burgess & Co., W. H. (Com.) .....	AAA
Carey, Bayne & Smith Co. (Com.) .....	AA
Catlin & Co. (Com.) ..	AAAA
Childs & Co., H. C. (Com.; Dress Goods; Prints, etc.)	A
Cone Export & Com. Co.	AAA
Conrad & Co., W. B. (Com.)	AA
Converse, Stanton & Co. (Com.) .....	AAA
Cooke & Co., Jas. W. (Com.; Gingham, etc.) .....	A
COTTON GOODS	
Cooley, Martin I. (Com.)	A
Creighton & Burch (Com.)	AA
Curtis & Warren (Com.)..	B
Danforth, Clarke & Co. (Com.) .....	A
Deering, Milliken & Co. (Com.) .....	AAAA
Dickey & Sons, W. J. (Com.)	AAA
Eldredge, Lewis & Co. (Com.; Sheetings; Drills; White Goods; Dress Goods) .....	AAAA
Elms & Co. (Com.) .....	B
Farber Drewry & Co., H. J. (Com.; Dress Goods) ...	C
Farish Stafford Co. (Com.)	B
Farnum & Co., Jno. (Com.;	AAAA
Faulkner, Page & Co. (Com.; Shirtings; Cottonades; Unbleached Goods, etc.)	AAA
Fillebrown & Co., C. B. (Com.) .....	A
Fish & Co., Wm., Jr. (Com.) .....	B
Fithian & Co., J. H. (Com.)	A
Forstman & Co. (Com.)	AAA
Foster & Co., F. A. (Com.; Sheetings; Shirtings),	AA
Galey & Lord (Com.) ....	A
Garnet & Co. (Com.; Sateens; Shirtings; Prints; Dress Goods; Percalés; Lawns) .....	AAAA
Haines & Bishop (Com.) ..	A
Hamilton & Co., E. H. (Com.) .....	A
Harding, Whitman & Co. (Com.) .....	AAAA
Hardt, von Bernuth & Co. (Com.) .....	AAAA
Heller & Long (Com.; Prints) .....	AA
Hinchman & Co., W. H. (Com.) .....	B
Jenkins, Kreer & Co. (Com.)	A
Joy, Langdon & Co. (Com.; Prints, etc.) .....	AAAA
Juilliard & Co., A. D. (Com.)	AAAA
Kohlman & Co., Chas. (Com.) .....	A
Kremer & Steubing (Com.; Prints) .....	AAAA
Lane & Co., J. H. (Com.)	AAA
Langley & Co., W. H. (Com.) .....	AAAA
Lawrence & Co. (Com.; Prints; White Goods; Dress Goods, etc.) ..	AAAA
Libby & Co., H. J. (Com.; Dress Goods) .....	A
Masters & Co., Francis B. (Com.; Madras; Dress; Wash Goods) .....	B
Meyer & Goetz (Com.) ..	B
Millus & Bros., E. (Com.)	A
Minot Hooper & Co. (Com.; Fancy White Goods; Prints; Sheetings; Drills)	AAAA
Moss, Taylor & Co., (Com.; Prints; White Goods, etc.)	AAA
Nevins Co., The (Com.)...	A
Oelbermann, Doumerich & Co. (Com.; Dress Goods)	AAAA
Parker, Wilder & Co. (Com.; Sheetings, etc.) ..	AAAA
Poor & Co., J. Harper (Com.; Colored; White; Printed; Madras) ..	A
Remy, Schmidt & Pleissner (Com.; Dress; White Goods) .....	AA
Renolds & Co., Jas. E. (Com.; Sheetings) ..	A
Riggs & Co., Geo. (Com.)..	A
Robinson-Hughes Co. (Com.)	A
Rothschild & Hein (Com.),	B
Schwab & Co., S. M., Jr. (Com.) .....	A
Sheridan & Co., G. K. (Com.; Duck) .....	A

# COTTON GOODS

Slater & Sons, S. (Com.)  
AAAA  
Smith, Alb. D. (Com.)...A  
Smith, Hogg & Co. (Com.)  
AAAA  
Southern Cotton Mills &  
Com. Co. (Com.).....B  
Stevens & Co., J. P. (Com.)  
A  
Strusburg & Co., W. Shell  
(Com.).....A  
Talcott, James (Com.;  
Jeans; Cottonades) AAAA  
Townsend & Montant  
(Com.).....AAA  
Townsend & Co., E. M.  
(Com.).....A  
Treat & Converse (Com.;  
Prints).....AAA  
Turner Co., J. Spencer  
(Com.; Duck; Bunting)  
AAA  
Victor & Archells, Fred.  
(Com.).....AAAA  
Watson, Porter, Giles & Co.  
(Com.).....A  
Weed & Bro. (Com.)...AAA  
Wellington, W. L. (Com.) A  
White & Co., Jas. F.  
(Com.).....AAAA  
Whiteside, Jos. S. (Com.;  
Damask; Ticks; Crashes)  
B  
Whitlin & Collins (Com.;  
Shirting; Sheetings)...A  
Whitman & Phelps (Shirt-  
ings; Denims; Ticks) AAA  
Whitman & Co., Clarence  
(Com.; White Goods;  
Gingham).....AA  
Willis Grinnell & Co. (Com.;  
Sheeting; Shirtings; Mus-  
lin; any Goods)...AAA  
Wilmerding & Bisset (Com.)  
AA  
Wilmerding, Morris &  
Mitchell (Com.).....AA  
Wilson & Bradbury (Com.)  
AAA  
Woods & Son, Jos. W.  
(Com.).....A  
Woodward Baldwin & Co.  
(Com.).....AAA  
Yelland, Wm. (Com.); Cot-  
tonades; Worsted; Shirt-  
ings).....B  
New York Mills  
New York Mills (Shirtings;  
Sheetings; Cottonades;  
Camlets).....AAAA  
N. Y.—Niagara Falls  
Cataract Hair Cloth Co.  
(French; Herringbone;  
Twilled Hair Cloth)....B  
N. Y.—Stuyvesant Falls  
Van Alen Cotton Mills  
(Print Cloths).....A  
N. Y.—Utica  
Utica Steam & Mohawk  
Valley Cotton Mills  
(Sheetings; Shirtings)  
AAA  
N. Y.—Victory Mills  
Saratoga Victory Mfg. Co.  
(Silesia; Sleeve Linings)  
AAA  
N. C.—Ashville  
Ashville Cotton Mill (Plaids;  
Cheviots; Stripes; Tick-  
ings).....A  
N. C.—Bessemer City  
Bessemer City Cotton Mills  
(Madras Cloth).....C  
Southern Cotton Mills  
(Brown; Colored).....A  
N. C.—Burlington  
Alamance Cotton Mills  
(Plaids).....B  
Aurora Cotton Mills (Ging-  
ham).....AAA  
Carolina Cotton Mills  
(Plaids).....B  
Elmira Cotton Mills (Colored  
Goods).....A  
Glencoe Mills (Shirtings;  
Cheviots; Stripes; Domets)  
A  
N. C.—Caroleen  
Henrietta Mills.....AA  
N. C.—Cedar Falls  
Cedar Falls Mfg. Co.  
(Sheetings).....B  
N. C.—Charlotte  
Chadwick Mfg. Co. (Sheet-  
ings).....B

# COTTON GOODS

Highland Park Mfg. Co.  
(Gingham).....A  
High Shoals Co. (Sheetings)  
A  
Louise Mills (Fine Cloth)...A  
Orient Mfg. Co. (Sateens;  
Madras; Dimities).....B  
N. C.—China Grove  
Patterson Mfg. Co. (Plain  
White).....A  
N. C.—Cliffside  
Cliffside Mills (Ginghams)  
B  
N. C.—Concord  
Cabarrus Cotton Mill (Sheet-  
ings).....A  
Cannon Mfg. Co. (Sheetings)  
A  
Gibson Mfg. Co. (Madras) A  
N. C.—Coolseemee  
Coolseemee Cotton Mills  
(Sheetings; Drills), AAA  
N. C.—Durham  
Durham Cotton Mfg. Co.  
(Chambrays; Gingham;  
Domets; Shirtings)...AA  
Erwin Cotton Mills Co. (De-  
nims; Camlets; Cham-  
brays).....AAA  
Golden Belt Mfg. Co.  
(Sheetings).....AA  
N. C.—East Durham  
Pearl Cotton Mills (Sheet-  
ings).....A  
N. C.—Elm College  
Williamson & Sons, Jas. N.  
(Plaids; Cottonades; Flan-  
nelettes).....AAA  
N. C.—Fayetteville  
Hope Mills Mfg. Co. (Mad-  
ras; Shirtings).....AA  
Holt-Morgan Mills (adras;  
Shirtings; Gingham;  
Tickings).....A  
N. C.—Forest City  
Florence Mills (Sheetings;  
Drills; Print Cloth)...A  
N. C.—Franklinville  
Randolph Mfg. Co. (Sheet-  
ings).....B  
N. C.—Gastonia  
Avon Mills (Sheetings)...A  
Loray Mills (Sheetings;  
Drills).....AAA  
N. C.—Gibsonville  
Minnola Mfg. Co. (Ging-  
hams; Plaids; Checks)...B  
N. C.—Goldsboro  
Wayne Cotton Mills (Sheet-  
ings).....B  
N. C.—Graham  
Bellemont Cotton Mills  
(Plaids).....AAA  
Holt, L. B. (Twills; Chev-  
iots; Chambrays)....AAA  
N. C.—Greensboro  
Hucomuga Mills (Ginghams;  
Blues; Browns).....A  
Proximity Mfg. Co. (Colored  
Goods).....A  
Revolution Cotton Mills  
Canton Flannels).....B  
N. C.—Haw. River  
Holt-Granite Mfg. Co.  
(Plaids; Dress Goods;  
Cheviots; Chambrays)...A  
N. C.—Hickory  
Shuford Mfg. Co., E. L.  
(Twills; Sateens).....B  
N. C.—Hope Mills  
Hope Mills Mfg. Co. (Chev-  
iots; Cottonades)....AAA  
N. C.—Huntersville  
Anchor Mills (Gingham)...B  
N. C.—Kings Mountain  
Crowder Mountain Cotton  
Mills (Sheetings).....B  
Dilling Cotton Mills (Brown  
Sheetings).....A  
Kings Mountain Mfg. Co.  
(Plain).....B  
N. C.—Lexington  
Nokomis Cotton Mills  
(White Goods).....A  
Wenonah Cotton Mills  
(Plaids; Checks; Stripes;  
Sheetings).....A  
N. C.—Lowell  
McAdam Mills (Plaids; De-  
nims; Cheviots).....AA  
N. C.—Mooreville  
Mooreville Cotton Mills  
(Sheetings).....A  
N. C.—Neuse  
Neuse River Mills (Brown

COTTON GOODS	
Sheetings).....A	
N. C.—Patterson	
Gwyn-Harper Mfg. Co.	
(Plaids).....B	
N. C.—Raleigh	
Caraleigh Mills Co. (Dress	
Ginghams).....A	
Pilot Cotton Mills (Colored	
Goods).....A	
N. C.—Ramseur	
Columbia Mfg. Co. (Sheet-	
ings).....A	
N. C.—Randleman	
Naomi Falls Mfg. Co. (Col-	
ored).....B	
Randleman Mfg. Co.	
(Plaids; Checks; Stripes;	
Denims).....R	
N. C.—Reidsville	
Edna Cotton Mills (Drills)	
AA	
N. C.—Rhodhiss	
Rhodhiss Mfg. Co. (Drills;	
Sheetings).....B	
N. C.—Roanoke Rapids	
Roanoke Mills Co. (Fine Col-	
ored).....A	
Rosemary Mfg. Co. (Da-	
mask).....B	
N. C.—Rockingham	
Steeles Mill (Prints) ..A	
N. C.—Salisbury	
Kisler Mfg. Co. (Sheetings)	
B	
N. C.—Sanford	
Sanford Cotton Mills (Sheet-	
ings).....A	
N. C.—Saxanahaw	
White, Williamson & Co.	
(Piece Goods).....A	
N. C.—Shelby	
Shelby Cotton Mills (Sheet-	
ings).....A	
N. C.—Spray	
Leaksville Cotton Mills	
(Plaids; Ginghams).....A	
Morehead Cotton Mills Co. B	
Nantucket Mills (Colored	
Goods).....A	
N. C.—Statesville	
Statesville Cotton Mills	
(Brown Sheetings).....A	
N. C.—Swepsonville	
Virginia Cotton Mills	
(Plaids; Denims; Sheet-	
ings).....B	
N. C.—Troy	
Smitherman Cotton Mills	
(Sheetings).....B	
N. C.—Wilmington	
Delgade Mills.....AA	
N. C.—Winston-Salem	
Fries, F. & H. (Shirtings;	
Cheviots).....AAAA	
South Side Mfg. Co. (Shir-	
tings).....A	
OHIO—Cincinnati	
Goodin, Weaver, Reid & Co.	
(Com.).....B	
Putnam, Hooker & Co.	
(Com.).....A	
PA.—Chester	
Aberfoyle Mfg. Co. (Dress	
Goods).....AAA	
Chester Mfg. Co. (Table	
Damask; Tickings).....A	
Galey & Lord Mfg. Co.	
(Fine Goods).....AA	
Jordan Mfg. Co. ....A	
PA.—Lancaster	
Conestogo Steam Mills	
(Ticks; Sheetings; Awn-	
ings).....AAAA	
PA.—Philadelphia	
Bacon & Co. (Corn)....AAA	
Balley & Co. Joshua L.	
(Com. Dress Goods).....AAA	
Blankenburg & Co. R.	
(Com.).....A	
Bradbury Bros. (Table Dam-	
ask; Dress Goods).....B	
Burton Bros. & Co. (Com.)	
A	
Carruth & Co., Jno. G.	
(Seersuckers; Shirtings;	
Madras; Chambrays; Cot-	
ton Worsted).....AAA	
Connelly & Sons, Jas. (Ging-	
hams).....A	
Frankford Co-operative Mfg.	
Co. (Table Damask)....B	
Glasgow Mills (Madras)....B	
Greer, Benj. W. ....B	
Hewett, C. G. (Table Dam-	
ask).....C	
COTTON GOODS	
Kerr, Jas. H. (Ginghams;	
Cheviots; Madras).....A	
King, Hillman & Gill	
(Com.).....AA	
Kneedler & Co. (Sateens;	
Tickings; Worsted Cloth)	
B	
Kremer & Strubing (Com.)	
AAAA	
Lane & Co., J. H. (Com.)	
AAA	
Lanne & Co., Frank D.	
(Com. Dress Goods)....AAA	
Milne & Sons, C. J. (Shir-	
tings).....AAAA	
Neff & Co., Robt. K. (Com.)	
B	
O'Neill, Wm. (Damask)....C	
Porter & Son, Chas. (Men's	
Wear).....AAA	
Providence Mills Mfg. Co.	
(Damasks; Crashes)....C	
Schadewald & Sons, Henry	
(Turkey Red Damask)....B	
Taylor & Scott (Turkey Red	
Damask).....D	
Thorpe, Richard (Turkey	
Red; Bleached Damask)	
B	
Wardlow, J. & W. (Table	
Damask).....E	
Whitaker & Sons, Wm.	
(Tickings; Stripes)....A	
Wilson & Bradbury (Com.)	
AAA	
Witt & Co. Charles	
H. (Turkey Red Damask)	
A	
PA.—Reading	
Garner & Co. (Shirtings;	
Sheetings; Twills).....AAA	
R. I.—Bristol	
Richmond Mfg. Co. (Print	
Cloths).....A	
R. I.—Coventry	
Coventry Co. (For Convert-	
ers).....AAA	
R. I.—Crompton	
Quidnick Mfg. Co. (For Con-	
verters).....AAA	
R. I.—Cumberland	
Berkeley Co. (Cambrics; In-	
dia Lawns; Nainsooks)	
AAA	
R. I.—Hopkinton	
Nichols & Langworthy Ma-	
chine Co. (Print Cloths)....A	
R. I.—Lincoln	
Samoset Co. (Sheetings;	
Lawns).....A	
R. I.—Lonsdale	
Lonsdale Co. (Bleached	
Goods; Silesias, &c.)	
AAAA	
R. I.—Mansville	
Mansville Co. (Plain; Fancy)	
AAAA	
R. I.—Pawtucket	
American Yarn Mfg. Co.	
(Twills; Sateens; Zanil-	
las).....A	
Royal Wearing Co. ....AA	
Slater Cotton Co. (Sheet-	
ings; Shirtings; Cambrics;	
Muslins; Lawns).....AAA	
U. S. Cotton Co. (Print	
Cloths).....AA	
R. I.—Providence	
Hebron Mfg. Co. (Shirtings;	
Sheetings).....AAAA	
Nottingham Mills (Sheet-	
ings; Prints).....AAAA	
R. I.—Scituate	
Fiskeville Mills (Sheetings)	
AAAA	
Jackson Mills (Shirtings;	
Twills).....AAAA	
Hope Co. (Shirtings)....AAA	
R. I.—Smithfield	
Bernon Mills (Print Cloths;	
Twilled Goods; Sateens)....A	
Enfield Mills (Light; wide;	
Fancy Goods).....A	
Forestdale Mfg. Co. (Sheet-	
ings; Shirtings).....A	
R. I.—Warren	
Warren Mfg. Co. (Sheet-	
ings; Shirtings; Twills;	
Sateens).....AAAA	

## COTTON GOODS

**E. I.—Warwick**  
 Centreville Cotton Mill  
 (Sheetings) .....AAA  
 Crompton Co. (Print Cloths)  
 AAA  
**Lippitt Mill** (Sheetings;  
 Twills) .....AAAA  
**Natick Mills** (Shirtings;  
 Twills) .....AAAA  
**Warwick Mills** (Plain;  
 Fancy) .....AAAA  
**E. I.—Westerly**  
 Solway Mills (Fancy Col-  
 ored) .....AAA  
 White Rock Mill (Fine  
 Sheetings) .....AAAAA  
**E. I.—Woonsocket**  
 Clinton Mfg. Co. (Sheetings;  
 Shirtings) .....AAAA  
 Eagle Mills (Fancy Dress  
 Goods; Sateens; Brocades)  
 A  
**Naushon Co.** (Dress Goods)  
 A  
**S. C.—Bamberg**  
 Bamberg Cotton Mills  
 (Sheetings) .....A  
**S. C.—Batesburg**  
 Middleburg Mills (Sheet-  
 ings) .....B  
**S. C.—Bath**  
 Aiken Mfg. Co. (Shirtings;  
 Sheetings; Cotton Print)  
 A  
**S. C.—Belton**  
 Belton Mills (Brown Shir-  
 tings; Cotton Drills) .....AAA  
**S. C.—Camden**  
 Camden Cotton Mills .....B  
**S. C.—Catechee**  
 Norris Cotton Mills Co.  
 (Sheetings) .....A  
**S. C.—Cherokee Falls**  
 Cherokee Falls Mfg. Co.  
 (Brown Sheetings) .....AA  
**S. C.—Chester**  
 Eureka Cotton Mills (Fill-  
 ing; Hard Twist) .....B  
 Springstein Mills (Ging-  
 hams; Madras) .....A  
 Wylie Mills (Skein; Warp)  
 B  
**S. C.—Clifton**  
 Clifton Mfg. Co. (Sheet-  
 ings; Shirtings; Drills)  
 AAAA  
**S. C.—Clinton**  
 Clinton Cotton Mills (Fancy  
 Stripes; Specialties) .....A  
**S. C.—Clover**  
 Clover Cotton Mfg. Co.  
 (Combed Egyptian;  
 Carded Peeler) .....A  
**S. C.—Columbia**  
 Capital City Mills (Sheet-  
 ings) .....B  
 Columbia Mills Co. (Duck)  
 AAAA  
 Granby Cotton Mills (Cot-  
 ton Print Cloths) .....AA  
 Olympia Cotton Mills (Fine  
 Sheetings; Print Cloths)  
 AAAA  
**Palmetto Cotton Mills**  
 (Welts; Dress Goods;  
 Print Cloths) .....B  
**Richland Cotton Mills**  
 (Twills; Sheetings) .....A  
**S. C.—Cowpens**  
 Cowpens Mfg. Co. (Sheet-  
 ings) .....B  
**S. C.—Darlington**  
 Darlington Mfg. Co. (Sheet-  
 ings; Drills) .....AAA  
**S. C.—Easley**  
 Easley Cotton Mills (Sheet-  
 ings) .....A  
**S. C.—Edgefield**  
 Edgefield Mfg. Co. (Sheet-  
 ings) .....B  
**S. C.—Enoree**  
 Enoree Mfg. Co. (Brown  
 Drillings; Sheetings) .AA  
**S. C.—Fairmont**  
 Tyger Cotton Mills (Sheet-  
 ings) .....A  
**S. C.—Fort Mill**  
 Fort Mill Mfg. Co. (Ging-  
 hams) .....A  
**S. C.—Gaffney**  
 Gaffney Mfg. Co. (Dress;

## COTTON GOODS

Fancy Weaves; Madras;  
 Cloth) .....AAAA  
 Limestone Mills (Cloth) ...A  
**S. C.—Glendale**  
 Converse Co., D. E. (Shir-  
 tings; Sheetings; Drills)  
 AA  
**S. C.—Graniteville**  
 Graniteville Mfg. Co.  
 (Brown Shirtings; Sheet-  
 ings; Drills) .....AAAA  
**S. C.—Greenville**  
 American Spinning Co.  
 (Cloth) .....AA  
 Brandon Mills (Converters;  
 Cloth; Sheetings) .....AA  
 Huguenot Mills (Cottonades;  
 Chevots; Plaids; Outing  
 Cloth) .....B  
 Mills Mfg. Co. (Fine White)  
 AA  
 Monaghan Mills (Print; Oil  
 Cloth Convertibles) .....A  
 Poe Mfg. Co., F. W. (Gray,  
 for converting and mfg.  
 trade) .....AA  
**S. C.—Greenwood**  
 Greenwood Cotton Mills  
 (Standard Drills; Sheet-  
 ings) .....AA  
 Grendel Mills (4-yd. Goods)  
 AA  
**S. C.—Greers**  
 Victor Mfg. Co. (Sheetings;  
 Print Cloth) .....AA  
**S. C.—Hartsville**  
 Hartsville Cotton Mill  
 (Print Cloth) .....A  
**S. C.—Inman**  
 Inman Mills .....A  
**S. C.—Irene**  
 Saxo-Gotha Mills (Sheet-  
 ings; Drills) .....B  
**S. C.—Lancaster**  
 Lancaster Cotton Mills  
 (Sheetings) .....AAA  
**S. C.—Lando**  
 Manetta Mills .....B  
**S. C.—Langley**  
 Langley Mfg. Co. (Shir-  
 tings; Sheetings; Drills)  
 AAA  
**S. C.—Laurens**  
 Laurens Cotton Mills (Bed-  
 ford Cords; Twills) .....AA  
 Watts Mills (Fine Sheet-  
 ings) .....A  
**S. C.—Lexington**  
 Lexington Mfg. Co. (Tick-  
 ings) .....C  
**S. C.—Lockhart**  
 Lockhart Mills (Brown  
 Sheetings) .....A  
**S. C.—Newberry**  
 Newberry Cotton Mills  
 (Brown Sheetting; Drills)  
 AA  
**S. C.—Newry**  
 Courtany Mfg. Co. (Sheet-  
 ings) .....A  
**S. C.—Ninetysix**  
 Ninetysix Cotton Mills  
 (Sheetings) .....A  
**S. C.—Orangeburg**  
 Orangeburg Mfg. Co.  
 (Brown Sheetings) .....A  
**S. C.—Pacolet**  
 Pacolet Mfg. Co. (Standard  
 Sheetings; Drills) .AAAA  
**S. C.—Pelzer**  
 Pelzer Mfg. Co. (Sheetings;  
 Shirtings; Drills) .AAAA  
**S. C.—Reedy River**  
 Reedy River Mfg. Co.  
 (Sheetings; Drills) .....A  
**S. C.—Rock Hill**  
 Highland Park Mfg. Co.  
 (Ginghams; Checks; Fan-  
 cles) .....A  
 Manchester Cotton Mills Co.  
 (Brown Sheetings) .....A  
 Victoria Cotton Mills (Ging-  
 hams) .....B  
**S. C.—Spartanburg**  
 Arcadia Mills (Fine) .....A  
 Arkwright Mills (Sheeting;  
 Drills) .....AA  
 Saxon Mills (Print Cloth)  
 A  
 Spartan Mills (Sheetings;



**COTTON GOODS**

Shirtings; Print Cloth) AAAAA

**S. C.—Union**

Aetna Cotton Mills (Print Cloth) .....B

Buffalo Cotton Mills (Sheetings) .....AAA

Monarch Cotton Mills (Converters' Goods) .....A

Union Cotton Mills Co. (Fine Sheetings) .....AAA

**S. C.—Walhalla**

Walhalla Cotton Mills (Sheetings) .....A

**S. C.—Walterboro**

Colleton Cotton Mills ....B

**S. C.—Warrenville**

Warren Mfg. Co. (Print Cloths) .....AA

**S. C.—Westminster**

Cheswell Cotton Mills Co. (Sheetings; Twills) ....A

**S. C.—Whitmires**

Glenn-Lowery Mfg. Co. (Sheetings) .....AA

**S. C.—Whitney**

Whitney Mfg. Co. (Shirtings; Sheetings) .....A

**S. C.—Williamston**

Williamston Mills (Sheetings) .....A

**TENN.—Columbia**

Columbia Cotton Mills Co. (Heavy Brown Twills; Sheetings) .....A

**TEXAS—Covington**

Tipton Cotton Mills (Plain) B

**TEXAS—Cuero**

Cuero Cotton Mill (Sheetings; Converting Cloth).A

**TEXAS—Dallas**

Dallas Cotton Mills (Duck) AA

**TEXAS—Gonzales**

Gonzales Cotton Mills (Sheetings; Dress Ducks) B

**TEXAS—Hillsboro**

Hillsboro Cotton Mill Co. (Sheetings; Ducks) ....B

**TEXAS—Waxahachie**

Waxahachie Cotton Mills (Duck) .....B

**VT.—Burlington**

Burlington Cotton Mills (Prints) .....AA

Queen City Cotton Co. (Print Cloth) .....AAA

**VT.—North Pownal**

North Pownal Mfg. Co. (Prints) .....AA

**VA.—Danville**

Riverside Cotton Mills (Sheetings; Plaids; Checks; Stripes; Cheviots) AAAAA

**VA.—Lynchburg**

Lynchburg Cotton Mill Co. (Canton Flannels; Drills; Sheetings) .....A

**WIS.—Beaver Dam**

Beaver Dam Cotton Mills (Sheetings) .....A

**WIS.—Janesville**

Rock River Cotton Co. (Batting) .....B

**COTTON: SEWING: SPOOL**

See Thread

**COTTONADES**

See Cotton Goods

**COUCHES**

See Furniture

**COULTERS****CAL.—Benicia**

Benicia Agricultural Wks., Baker & Hamilton (Plow) AAA

**CONN.—Collinsville**

Collins Co. (Plow) ..AAAA

**COUNTERS (Con.)****IND.—Evansville**

Blount, Henry F. (Plow) AAAAA

**IOWA—De Witt**

Cyclone Works (Plow) ...H

**KY.—Louisville**

Avery & Sons, B. F. (Plow) AAA

**N. Y.—Auburn**

Osborne & Co., D. M. (Plow) AAAAA

**OHIO—Canton**

Buckeye Mfg. Co. (Plow Rolling) .....D

Canton Saw Co. (Plow)...D

**PA.—Beaver Falls**

Beaver Falls Steel Works (Plow) .....X

**COUNTERS**

See also Fixtures for Store Counters

**CONN.—Bridgeport**

Grant Mfg. & Mach. Co. (Revolution) .....E

Hubbell, Harvey (Revolution) .....O

**CONN.—Bristol**

Root, C. J. (Revolution)..B

**CONN.—Hartford**

Pratt & Whitney Co. (Revolution) .....AAA

Veeder Mfg. Co. (Revolution) .....A

**ILL.—Chicago**

Ball & Bro., A. (Game; Card) .....AA

Brewers' & Bottlers' Machy. Wks. (Beer Barrel)...G

McDonnell Odometer Co., S. Kedzie Av. & W. 35th (Revolution; Tally; Special) .....X

Marsh & Co., Jas. P., 224 Washn. (Revolution) ...B

Warren Mfg. Co., J. D. (Store; Wrapping) ....B

**MASS.—Boston**

American Steam Gauge & Valve Mfg. Co. (Revolution) .....A

Ashton Valve Co., 271 Franklin (Revolution)..A

Boston Counter Co. (Boot; Shoe) .....O

Crosby Steam Gauge & Valve Co., 95 Oliver (Revolution) .....AA

Dennison Mfg. Co. (Game; Card) .....AAAA

Fuller, F. T., 16 Lincoln (Boot; Shoe) .....O

Mousam Mfg. Co. (Boot; Shoe) .....D

Star Brass Mfg. Co., 103 E. Dedham (Revolution) A

National Fibre Board Co. (Boot; Shoe) .....A

MASS.—Lynn

Hilliard & Merrill (Boot; Shoe) .....A

Parker Bros. (Boot; Shoe).E

MASS.—Taunton

Campbell Printing Press & Mfg. Co. (Printing Press) B

MASS.—Townsend Harbor

Spaulding Bros. Co. (Boot; Shoe) .....AA

MASS.—Worcester

Graton & Knight Mfg. Co. (Boot; Shoe) .....AAAA

MICH.—Battle Creek

Hart, R. A. (Revolution).E

N. Y.—Brooklyn

Schaffer & Budenberg, 10 Division (Revolution)..D

N. Y.—Frankfort

Utica Steam Gauge Co. (Revolution) .....X

New York City

Ashcroft Mfg. Co., 85 Liberty (Revolution) ....A

Brunswick-Balke - Collender Co. (Card; Game).AAAA

Grote & Co., F., 14th St. Card; Game) .....D

**COUNTERS (Con.)**

**PA.—Erie**  
Exhibition Show Case Co.  
(Glass) .....B  
**PA.—Philadelphia**  
Belfield & Co., H., 435 N.  
Broad (Revolution) ...AA  
Tabor Mfg. Co., 1742 Ham-  
ilton (Revolution) .....B  
**R. I.—Providence**  
Standard Machinery Co.  
(Revolution) .....B  
**VA.—Glen Allen**  
Cussons, May & Co. (Card)  
.....B  
**WIS.—Milwaukee**  
Durant, Walter N. (Revolu-  
tion; Printing Press) ..E

**COUNTER-SHAFTS**

**CONN.—Hartford**  
Pratt & Whitney Co. ....AAAA  
Quint, A. D. ....D  
**CONN.—Waterbury**  
Blake & Johnson .....A  
**ILL.—Chicago**  
Chicago Wheel & Mfg. Co.,  
39 W. Randolph .....D  
**ILL.—Joliet**  
Bates Machine Co. ....A  
**IND.—Columbus**  
Reeves Pulley Co. ....A  
**IND.—Mishawaka**  
Dodge Mfg. Co. ....AAA  
**MASS.—Boston**  
Cutter, Wood & Stevens Co.  
.....C  
Sturtevant Co., B. F., 84  
Oliver .....AAA  
**MASS.—Greenfield**  
Wells Bros. Co. ....A  
Wiley & Russell Mfg. Co.  
.....AA  
**MICH.—Grand Rapids**  
Wilmarth & Morman Co.  
(Wilmarth Friction) ...C  
**MINN.—Minneapolis**  
Minneapolis Steel & Machy.  
Co. ....A  
**MO.—St. Louis**  
St. Louis Machine Tool Co.,  
1114 S. 8th .....X  
**N. Y.—Brooklyn**  
Almond, T. R., 83 Washn..C  
**N. Y.—Buffalo**  
Buffalo Forge Co. ....AA  
Holmes Machy. Co., E. &  
B., 59 Chicago (Variable  
Speed, &c.) .....B  
Oliver Mfg. Co., W. W.,  
1483 Niagara .....C  
**New York City**  
Fairbanks Co., 416 Broome  
(Friction) .....AAAA  
Garwin Machine Co., 137  
Varick (Friction) .....AAA  
Manning, Maxwell & Moore,  
89 Liberty .....AAA  
Niles-Bement-Pond Co., 136  
Liberty .....AAAA  
Prybil, P., 512 W. 41st..AA  
Zucker & Levett & Loeb  
Co., 526 W. 25th .....A  
**OHIO.—Ashland**  
Myers & Bro., F. E. ....AA  
**OHIO.—Canal Fulton**  
Fulton Machine Co. (Self-  
Oiling) .....F  
**OHIO.—Cincinnati**  
American Tool Works, 6th  
& Eggleston Av. ....AAA  
Lodge & Shipley Mach. Tool  
Co., 3055 Colerain Av. ....A  
National Mach. Tool Co.,  
308 Lawrence .....E  
Oesterlein Mach. Co., Elam  
& Garrard Av. (Friction  
Clutch) .....C  
**OHIO.—Cleveland**  
Bardons & Oliver (Double  
Friction) .....A  
Warner & Sway Co., E.  
Prospect (Double Fric-  
tion) .....A  
**OHIO.—Columbus**  
Case Mfg. Co. ....AA  
**OHIO.—Mansfield**  
Humphreys Mfg. Co. ....A

**COUNTERSHAFTS**

**OHIO.—Salem**  
Deming Co. ....A  
**OHIO.—Tiffin**  
Sterling Emery Wheel Mfg.  
Co. ....B  
**PA.—Harrisburg**  
Hickok Mfg. Co., W. O. ....AA  
**PA.—Philadelphia**  
Challenge Machine Co., 3223  
Turner .....D  
Cresson Co., Geo. V., 18th  
& Allegheny Av. ....AA  
Fairmount Machine Co.,  
2108 Wood .....A  
Stow Flexible Shaft Co. ....B  
**PA.—Waynesboro**  
Frick Co. ....AAA  
**R. I.—Central Falls**  
Mossberg Wrench Co. ....C  
**R. I.—Providence**  
Brown & Sharpe Mfg. Co.  
.....AAAA  
Builders' Iron Foundry. ....A  
Diamond Machine Co. ....A  
Standard Machy. Co. ....A  
**VT.—Montpelier**  
Lane Mfg. Co. ....A  
**WIS.—Milwaukee**  
Kempsmith Mfg. Co. ....A  
**COUNTER-SINKS**  
**CONN.—Bridgeport**  
Knapp & Cowles Mfg. Co. ....C  
Smith & Egge Mfg. Co. ....A  
**CONN.—Chester**  
Deuse, J. S. ....E  
**CONN.—Hartford**  
Billings & Spencer (Drop  
Forged) .....A  
Pratt & Whiting Co. ....AAA  
**CONN.—New Britain**  
Stanley Rule & Level Co.  
.....AA  
**CONN.—Rockfall**  
Smith, Otis A. (For Wood-  
workers') .....B  
**CONN.—Seymour**  
Humphreysville Mfg. Co. ....E  
Swan Co., James .....A  
**ILL.—Chicago**  
Vaughan & Bushnell Mfg.  
Co. ....B  
Whitman & Barnes Mfg. Co.  
.....AAAA  
**ILL.—Rockford**  
Forest City Bit & Tool Co.  
.....O  
**MASS.—Boston**  
Atlantic Machine Screw Co.  
.....F  
Hunter & Co., J. B. ....C  
**MASS.—Brookton**  
Tuck Mfg. Co. ....E  
**MASS.—Chicopee Falls**  
Stevens Arms & Tool Co., J.  
.....A  
**MASS.—Fiskdale**  
Snell Mfg. Co. ....B  
**MASS.—Greenfield**  
Goodell-Pratt Co. ....B  
Reece Co., E. F. ....E  
Wells Bros. & Co. ....A  
Wiley & Russell Mfg. Co.  
.....AA  
**MASS.—Millbury**  
Buck, Charles .....B  
Buck Bros. (Flat; Rose;  
Snall) .....A  
**MASS.—New Bedford**  
Morse Twist Drill & Ma-  
chine Co. ....AAA  
**MASS.—Shelburne Falls**  
Mayhew Co., H. H. ....C  
**MASS.—Springfield**  
Springfield Mach. Screw Co.  
.....D  
**MICH.—Detroit**  
Detroit Twist Drill Co. ....C  
**N. J.—Elizabeth**  
Braunsdorf-Mueller Co. ..D  
**N. J.—Newark**  
Johnson, Wm., 249 Plane..D  
**New York City**  
Russell & Erwin Mfg. Co.  
.....AAAA  
**N. Y.—Syracuse**  
Syracuse Twist Drill Co. ....B

## COUNTER-SINKS

OHIO—Cincinnati  
Cincinnati Tool Co. ....A  
Tatum Co., Samuel C. ....B  
OHIO—Cleveland  
Cleveland Twist Drill Co.  
(Cox & Prentiss) cor.  
Lake & Kirtland .....A  
Standard Tool Co. ....AAA  
OHIO—Wilmington  
Irwin Auger Bit Co. ....B  
PA.—Millersburg  
Polk & Son, A. J. (For  
Drilling Machines, &c.)...D  
VT.—Derby Line  
Butterfield & Co. ....B

## COUPES

See Carriages & Wagons.

## COUPLERS

See also Hardware; Carriage.

CONN.—New Haven  
North & Co., O. B. (Collar)  
AA  
ILL.—Chicago  
Van Dorn Co., W. T. (Car)  
D  
ILL.—Jerseyville  
Jerseyville Novelty Works  
(Shaft; Pole) .....X  
ILL.—Monmouth  
Milne Mfg. Co. (Wire Rope)  
C  
IND.—Muncie  
Whitely Malleable Castings  
Co. (Car) .....AA  
MASS.—Reading  
Pierce Organ Pipe Co.,  
Samuel (Octave) .....C  
MASS.—Springfield  
Bemis Car Box Co. (Car)...D  
MO.—St. Louis  
American Steel Founders  
Co. (Car) .....AAAA  
Helmbacker Forge & Roll-  
ing Mills Co. (Car)...AA  
N. J.—Newark  
Peters Harness & Saddlery  
Co. (Collar) .....C  
N. Y.—Auburn  
Eccles Richmond Co. (Ball  
Bearing) .....B  
N. Y.—Buffalo  
Pratt & Letchworth Co.  
(Car; Collar; Freight Car)  
AAA  
N. Y.—Dunkirk  
Mulholland Co. (Shaft;  
Pole) .....B  
New York City  
Gould Coupler Co. (Car)...AA  
Standard Coupler Co. (Car)  
B  
N. Y.—Syracuse  
Bradley & Son, C. C. (Shaft;  
Pole) .....C  
N. Y.—Utica  
Empire State Shaft Coup-  
ling Co. (Shaft; Pole)...D  
OHIO—Cincinnati  
Queen City Forging Co.  
(Shaft; Pole) .....B  
OHIO—Cleveland  
National Malleable Castings  
Co. (Car) .....AAAA  
OHIO—Dayton  
Dayton Malleable Iron Co.  
(Car) .....AA  
OHIO—Springfield  
Springfield Malleable Iron  
Co. (Car) .....A  
PA.—Philadelphia  
Latrobe Steel Co. (Steel)  
AAAA  
PA.—Pittsburg  
Carnegie Steel Co. (Ltd.)  
(Freight Car) .....AAAA  
Hammon Coupler Co., Far-  
mers' Bank Bldg. (Gas  
Main) .....D  
McConway & Torley Co.  
(Car; Automatic; Freight;  
Tender) .....AA  
PA.—Thurlow  
American Steel Castings Co.  
(Car; Freight Car)...AAAA

## COUPLERS (Con.)

WIS.—Racine  
Racine Malleable &  
Wrought Iron Co. (Wire  
Fence) .....B

## COUPLINGS

See also Hardware; Carriage.

ALA.—Huntsville  
Huntsville Fdy. & Machine  
Works (Nolan & Jones)  
(Clutch; Compression;  
Flange; Shaft) .....B  
ARK.—Little Rock  
Thomas-Fordyce Mfg. Co.  
(Compression) .....A  
CONN.—Bridgeport  
Belknap Mfg. Co. (Pipe)...C  
CONN.—Hartford  
Billings & Spencer Co.  
(Belt) .....AA  
CONN.—New Haven  
Eastern Machinery Co. (Cut-  
off; Friction Clutch)...B  
Hotchkiss Co., E. M. (Hose)  
A  
New Haven Mfg. Co. (Fric-  
tion Clutch) .....AA  
New Haven Novelty Mach.  
Co. (Pipe) .....B  
Peck Bros. & Co. (Hose)  
AA  
CONN.—Norwich  
Ossawam Mills Co. (Bell  
Cord) .....B  
CONN.—Plantville  
Smith & Co., H. D. (Pole;  
Shaft) .....A  
GA.—Augusta  
Lombard Iron Works & Sup-  
ply Co. (Shaft) .....A  
GA.—Columbus  
Golden's Fdy. & Mach. Co.  
(Shaft) .....A  
ILL.—Chicago  
Allen Mfg. Co., W. D., 151  
Lake (Plain; Automatic  
Hose) .....A  
Allis-Chalmers Co., Home  
Ins. Bldg. (Flange; Shaft;  
Friction Clutch) .....AAAA  
Borden & Selleck Co., 48  
Lake (Flange; Shaft)...B  
Caldwell & Son Co., H. W.  
(Shaft; Friction Clutch;  
Universal Joint) ....AA  
Crane Co. (Hose; Pipe;  
Pump Rod) .....AAAA  
Illinois Malleable Iron Co.,  
30 W. Monroe (Closest;  
Pipe; Pump Rod; Flange;  
Shaft) .....AAAA  
Jones Fdy. & Mach. Co., 143  
North Av. (Cut-off) ...A  
Monash-Yunker Co., 203 S.  
Canal (Pipe) .....B  
Plamondon Mfg. Co., A., 57  
S. Clinton (Compression;  
Flange; Shaft; Friction  
Clutch) .....A  
Whitman & Barnes Mfg. Co.  
(Hose) .....AAAA  
ILL.—Decatur  
Mueller Mfg. Co., H. (Bol-  
ler; Lead Flange; Pipe;  
Automatic; Cone; Gas  
Meter) .....AAA  
ILL.—Kewanee  
Western Tube Co. (Iron;  
Brass; Boiler; Drill Rod;  
Pipe Line; Tubing)...AAA  
ILL.—Moline  
Barnard & Leas Mfg. Co.  
(Shaft) .....AA  
ILL.—Sterling  
Charter Gas Engine Co.  
(Shaft) .....A  
Novelty Iron Works (Hose)  
E  
IND.—Evansville  
Vandergrift Coupling Co.  
(Compression; Compression  
Shaft; Flange Shaft)  
E  
IND.—Indianapolis  
Nordyke & Marmon Co.  
(Shaft) .....AAA  
Pioneer Brass Works (Ex-  
pansion Ring; Hose)...C

# COUPLINGS (Con.)

**IND.—Mishawaka**  
Dodge Mfg. Co. (Clamp; Shaft; Friction Clutch; Universal Joint; Flange Shaft) .....AAA  
**KANS.—Enterprise**  
Ehram Machine Co., J. B. (Shaft) .....B  
**KANS.—Leavenworth**  
Great Western Mfg. Co. (Clamp; Friction Clutch; Shaft) .....AA  
**MD.—Baltimore**  
Cuyler & Mohler, 2324 Boston (Pipe) .....A  
Ellicott Machine Co., cor. Bush & Severn (Shaft) ..C  
Hutton & Co., G. H. (Pole; Shaft) .....F  
**MD.—Cumberland**  
Cumberland Steel Company (Flange Shaft) .....A  
**MASS.—Amesbury**  
Bailey & Co., S. R. (Pole; Shaft) .....A  
**MASS.—Boston**  
American Tool & Mach. Co., 109 Beach (Clamp; Flange; Friction Clutch) .....AA  
Boston Coupling Co., 156 Pearl (Fire Hose) .....E  
Boston Gear Works (Flange Shaft; Joint) .....B  
Callahan Co., C., 127 Purchase (Hose) .....D  
Durable Wire Rope Co. (Wire Rope) .....D  
Edson Mfg. Co., 257 Atlantic Av. (Hose) .....B  
Morse & Son, Andrew J., 140 Congress (Hose) .....B  
Samson Cordage Wks. (Bell Cord; Belt) .....A  
Strater & Sons, Herman, 74 Sudbury (Pipe) .....A  
Walworth Mfg. Co., 132 Federal (Hose; Flange Shaft) .....AAAA  
**MASS.—Cambridge**  
Boston Woven Hose & Rubber Co. (Hose) .....AAAA  
**MASS.—Holyoke**  
Holyoke Mach. Co. (Shaft) .....AA  
**MASS.—Lexington**  
Jefferson Mfg. Co. (Flange) .....X  
**MASS.—Newtonville**  
Silver Lake Co. (Bell Cord; Belt; Round Belt) .....A  
**MASS.—North Adams**  
Hunter Machine Co., James (Shaft) .....A  
**MASS.—Woburn**  
Smith & Wallace (Register Cord, for Street Railways) .....D  
**MASS.—Worcester**  
Union Machine Co. (Cut-off) .....X  
**MICH.—Battle Creek**  
Sherman Mfg. Co., H. B. (Hose) .....A  
**MICH.—Bay City**  
Garland Co., M. (Compression) .....O  
**MICH.—Detroit**  
Buhl Malleable Co., cor. Wright & Adair (Clutch; Shaft; Flange Shaft) ..A  
Co-operative Foundry Co. (Shaft) .....X  
Diamond Stamped Ware Co. (Garden Hose) .....A  
Globe Brass Works (Hose) .....D  
Park & McKay Co. (Closet) .....O  
**MINN.—Minneapolis**  
Howell & Co., R. R. (Horse Power) .....B  
Minneapolis Steel & Machy. Co. (Flange Shaft; Friction Clutch; Universal Joint) .....AAA  
**MO.—Kansas City**  
Witte Iron Works Co. (Shaft) .....B  
**MO.—St. Louis**  
Broderick & Bascon Rope

# COUPLINGS (Con.)

Co., 809 N. Main (Mine Car; Wire Rope) ....AA  
Handlan-Buck Mfg. Co., 213 N. 3d (Bell Cord; Hose) .....AA  
Kupferle, John C., 2d & Mound (Hose) .....AA  
Leschen & Sons Rope Co., A. (Wire Rope) .....AAA  
Medart Patent Pulley Co., 3500 De Kalb Av. (Clutch; Friction Clutch; Shaft) .....AAA  
Missouri Tent & Awning Co. (Wagon) .....B  
Plenger & Henger Mfg. Co., 1015 Herbert (Hose) ...A  
**N. H.—Exeter**  
Exeter Brass Works (Boiler) .....C  
**N. J.—Newark**  
Gould & Eberhardt (Joint) .....A  
**N. J.—Salem**  
Salem Brass & Iron Mfg. Co. (Rubber Closet) ...B  
**N. Y.—Auburn**  
Clapp Mfg. Co., E. D. (Pole; Shaft) .....B  
Eccles Co., Richard (Pole; Shaft) .....A  
**N. Y.—Brooklyn**  
Bliss Co., E. W. (Friction Clutch) .....AAAA  
Krantz Mfg. Co., H., Boerum Pl. & State (Insulator) .....B  
**N. Y.—Buffalo**  
Noye Mfg. Co., 50 Lakeview Av. (Shaft) .....X  
**N. Y.—New Hamburg**  
Stuart, R. J. (Wedge Compression; Shaft) .....A  
**New York City**  
Acme Brass Works, 147 Baxter (Hose) .....F  
American Railway Supply Co. (Bell Cord) .....X  
Brown Co., A. & F., 26 Cortland (Cut-off; Friction Clutch; Shaft; Universal Joint) .....B  
Creamer & Co., W. G., 96 John (Bell Cord) .....A  
Eaton, Cole & Burnham Co., 253 B'way (Hose) .....AAAA  
Empire Rubber Mfg. Co. (Expansion Ring; Shank) .....AA  
Eureka Fire Hose Co., 18 Barclay (Hose) .....AAAA  
Fairbanks Co., 416 Broome (Shaft; Flange; Universal Joint) .....AAAA  
Goodyear's India Rubber Glove Mfg. Co., 503 B'way (Hose) .....AAAA  
Graham & Co., John H., 113 Chambers (Hose) .....B  
Haydenville Co., 150 Nassau (Hose) .....A  
Hunt & Co., C. W. (Rope) .....AA  
McNab & Harlin Mfg. Co., 56 John (Hose) .....AA  
Waterbury Rubber Mfg. Co., 49 Warren (Hose) .....D  
**N. Y.—Rochester**  
Davis Machine Co., W. P. (Shaft; Flange Shaft; Compression) .....A  
Estes Mfg. Co., 301 State (Compression) .....C  
Nunn Brass Works (Inc.) (Boiler) .....F  
**N. Y.—Syracuse**  
Shaw Coupling Co. (Compression) .....E  
**N. Y.—Troy**  
McMurray Co., C. F. (Shaft) .....A  
**OHIO—Ashland**  
Myers & Bro., F. E. (Pump Rod) .....AAAA  
**OHIO—Canton**  
Kohler & Co., F. E. (Hose) .....C  
**OHIO—Cincinnati**  
Lane & Bodley Co., cor. John & Water (Shaft) ...B  
Oesterlein Mach. Co., Gar-

**COUPLINGS (Con.)**

rard Av. & Elam (Friction Clutch) .....B  
 Queen City Brass & Iron Works (Expansion; Hose, &c.) .....B  
**OHIO—Cleveland**  
 Bartlett & Snow Co., C. O. (Clutch) .....A  
 Cleveland City Forge & Iron Co. (Railroad) .....AA  
 Cleveland Hardware Co. (Pole; Shaft) .....AA  
 Cudell, F. E. (Cut-off)....B  
 Hill Clutch Co., ft. Waverly Av. (Friction Clutch)...B  
 Upson Nut Co. (Flange Shaft) .....AAAA  
**OHIO—Columbus**  
 Case Mfg. Co. (Shaft; Belt; Flange; Flexible Shaft; Friction Clutch; Universal Joint) .....A  
 Columbus Bolt Co. (Pole; Shaft) .....AA  
 Ohio Pump & Brass Co., 18th & Oak (Expansion Rod; Lead Flange) ....C  
**OHIO—Cuyahoga Falls**  
 Falls Rivet & Mach. Co. (Clutch; Friction Clutch; Cut-off; Shaft) .....A  
**OHIO—Mansfield**  
 Barnes Mfg. Co. (Pump Rod) .....A  
**OHIO—Massillon**  
 Hess-Snyder Co. (Cut-off; Flange Shaft; Friction Clutch) .....AA  
**OHIO—Salem**  
 Clark Co., W. J. (Hose)...A  
**OHIO—Shelby**  
 Brightmann Mfg. Co. (Friction Clutch; Cut-off)...AA  
**OHIO—Springfield**  
 Springfield Brass Co. (Hose) .....B  
**OHIO—Toledo**  
 Baker Bros. (Flange Shaft) .....A  
**OHIO—Youngstown**  
 Republic Rubber Co. (Closet) .....AA  
 Sennett Co., Geo. B. (Compression) .....B  
**PA.—Beaver Falls**  
 Standard Gauge Steel Co. (Clutch; Compression; Shaft) .....A  
**PA.—Braddock**  
 Braddock Mach. & Mfg. Co. (Compression; Flange)...A  
**PA.—Bradford**  
 Dresser, S. R. (Cast Iron Pipe) .....AA  
**PA.—Ellwood City**  
 Standard Engineering Co. (Pipe) .....AA  
**PA.—Erie**  
 Campbell Brass Works, J. B. (Boiler) .....A  
**PA.—Grove City**  
 Carruthers-Fithlam Clutch Co. (Cut-off) .....B  
**PA.—Nazareth**  
 Nazareth Fdr. & Mach. Co. (Flange Shaft) .....B  
**PA.—Philadelphia**  
 Cresson Co., Geo. V., 18th & Allegheny Av. (Internal; Clutch; Cut-off; Friction Clutch; Shaft; Universal Joint) .....AA  
 Dallett & Co., Thos. H. (Flexible Shaft) .....B  
 Hydraulic Specialty Co., 427 Walnut (Closet) .....B  
 Klein, Chas. C., 2850 N. Marshall (Clamp) .....D  
 Moore & White Co., 15th & Lehigh Av. (Cut-off)...AA  
 Philadelphia Pneumatic Tool Co., 21st & Allegheny Av. (Air Hose) .....B  
 Sellers & Co., Wm., 1600 Hamilton (Shaft; Flange Shaft) .....AAAA  
 Stow Flexible Shaft Co. (Universal Joint) .....B  
 Wolf Co. (Flange Shaft; Friction Clutch) .....AA

**COUPLINGS (Con.)**

**PA.—Pittsburg**  
 Columbia Bridge Co., Park Bldg. (Flange; Shaft)...AA  
 Jones & Laughlins Steel Co. (Clutch; Compression; Cut-off; Shaft; Friction Clutch; Universal Joint) .....AAAA  
 Kelly & Jones Co., 135 Water (Pipe) .....AA  
 McKay & Co., James (Coal Car) .....AAA  
 Standard Chain Co. (Mine Car) .....AAAA  
**PA.—Tamaqua**  
 Tamaqua Mfg. Co. (Compression; Face; Flange)...B  
**PA.—Warren**  
 Jacobson Mach. Mfg. Co. (Cut-off) .....C  
**PA.—Waynesboro**  
 Frick Co. (Clutch; Face) .....AAAA  
**PA.—Wilkesbarre**  
 Nicholson & Co., W. H. (Shaft; Flange Compression) .....C  
 Vulcan Iron Works (Clutch; Friction Clutch; Shaft) .....AAAA  
**PA.—Williamsport**  
 Darling Pump & Mfg. Co. (Hose) .....B  
 Valley Iron Works (Compression; Flange; Pole; Shaft) .....A  
**R. I.—Providence**  
 Allen Fire Dept. Supply Co. (Hose) .....D  
 Combination Ladder Co., 366 Fountain (Hose)...B  
 Franklin Machine Co. (Shaft) .....A  
**TENN.—Memphis**  
 Chickasaw Iron Works (Shaft) .....A  
**VT.—Montpelier**  
 Lane Mfg. Co. (Shaft; Friction Clutch) .....A  
**WIS.—Milwaukee**  
 Filer & Stowell Co. (Shaft; Flange Shaft; Friction Clutch; Universal Joint) .....AAA  
 Hoffman & Billings Mfg. Co., 96 2d (Boiler) ....AA  
 Spence Mfg. Co., 279 Park (Boiler) .....D  
**WIS.—South Milwaukee**  
 Stowell Mfg. & Fdy. Co. (Bell Cord) .....A

**COUPONS**

**IND.—Indianapolis**  
 Allison Coupon Co. (for Retail Stores) .....A

**COVERERS**

**MASS.—Chicopee Falls**  
 Belcher & Taylor Agricultural Tool Co. (Potato)...A  
**N. Y.—Geneva**  
 Herendeen Mfg. Co. (Potato) .....AA  
**N. Y.—Greenwich**  
 Eddy Plow Co., W. (Potato) .....B

**COVERINGS**

**CONN.—Hartford**  
 Jewell Pad Co. (Harness) .....AAA  
**ILL.—Chicago**  
 Chicago Fire Proof Cover Co. (Boiler; Steam Pipe) .....B  
 Mackolite Fireproofing Co., 109 Randolph (Column)...B  
**MASS.—Boston**  
 Nightingale & Childs Co. (Boiler; Steam Pipe)...C  
 Trainer Mfg. Co., Chas. W. (Boiler; Steam Pipe)...E  
**N. J.—Paterson**  
 Peerless Plush Mfg. Co. (Furniture) .....A  
**N. Y.—Albany**  
 Huyck & Sons, F. C. (Woolen Mangle) .....AA

**COVERINGS (Con.)**

**New York City**  
 Bhungara Co., F. P. (Furniture) .....C  
 Federal Clay Mfg. Co., 170 B'way (Column) .....B  
 Griffing Iron Co., A. A. (Boiler; Steam Pipe)...AA  
 Johns-Manville Co., H. W. (Asbestos; Sectional) .....AAAA  
 Person, O. D., 160 5th Av. (Column) .....X  
 Standard Table Oil Cloth Co. (Washable Hall) .....AAAA

**N. Y.—Troy**  
 Conners Paint Mfg. Co., Wm. (Asbestos) .....A  
**OHIO—Cincinnati**  
 Cincinnati Roofing Co. (Asbestos) .....H  
**OHIO—Haydenville**  
 Haydenville Co. (Column) .....A

**OHIO—Lockwood**  
 Carey Mfg. Co., Phillip (Asbestos; Sectional) ..AAA  
**OHIO—Logan**  
 Hocking Clay Mfg. Co. (Column) .....B

**PA.—Allegheny**  
 De Long & Co., Julius (Boiler; Steam Pipe)...B  
**PA.—Ambler**  
 Keasby & Mattison Co. (Asbestos; Magnesia) .AAAA  
 Magnesia Covering Co. (Magnesia) .....C

**PA.—Erie**  
 Watson Co., H. F. (Boiler; Steam Pipe; Asbestos; Sectional) .....AAA

**PA.—Philadelphia**  
 Cortright Metal Roofing Co. (Metallic Hip) .....B  
 Merritt & Co., 1025 Ridge Av. (Column) .....B  
 Schofield, Mason & Co. (Furniture) .....A  
 Stead, Miller & Co. (Furniture) .....AA

**PA.—Pittsburg**  
 McConnell Asbestos & Covering Co. (Boiler; Steam Pipe; Sectional) .....B  
 Turner, C. A. (Boiler; Steam Pipe) .....B

**COVERS**

for Horse Covers, see Blankets; Horse.

**ALA.—Birmingham**  
 Dimmick Pipe Co. (Sewer Manhole) .....AA

**ARK.—Little Rock**  
 Little Rock Tent & Awning Co. (Wagon) .....C

**CAL.—Los Angeles**  
 Hoegee Co., W. H. (Wagon) .....B

**CAL.—San Francisco**  
 Henrix, C. (Wagon) ....C  
 Neville & Co. (Wagon) ....A

**CONN.—Bristol**  
 Seasons Foundry Co. (Sewer Manhole) .....AAA

**CONN.—Danielson**  
 Jacobs & Co., E. H. (Roll) .....B

**CONN.—Georgetown**  
 Gilbert & Bennett Mfg. Co. (Wire; Dish; Barrel)...AAA

**CONN.—Meriden**  
 Manning, Bowman & Co. (Dish; Molasses Jug; Enamelled Chamber)...AA

**CONN.—New Britain**  
 National Spring Bed Co. (Fabrics & Length or Width for Couches, Divans, Spring Beds, &c.)..F

**CONN.—New Haven**  
 McLagon Fdy. Co. (Coal Hole) .....C

**CONN.—Waterbury**  
 Steele & Johnson Mfg. Co. (Piano) .....A

**CONN.—Woodbury**  
 Curtis' Sons, D. (Table)...A

**COVERS (Con.)**

**GA.—Columbus**  
 Muscogee Mfg. Co. (Couch) .....A

**ILL.—Chicago**  
 Barbee Wire & Iron Works (Orange; Lemon Box; Wire; Barrel) .....B  
 Carpenter & Co., Geo. B. (Horse; Wagon; Truck; Stack; Waterproof)...AA  
 Chicago Sidewalk Light Co., 501 Washn. (Coal Hole)...F  
 Clow & Sons, Jas. B., 844 Franklin (Sewer Manhole) .....AAA

Cook & Bro., E. C. (Binder; Fishing Rod; Gun; Haystack; Wagon) .....A  
 Dauchy Iron Works, 84 Illinois (Coal Hole) .....B  
 Illinois Malleable Iron Co. (Catch Basin; Cistern) .....AAA

**International Harvester Co.**  
 (Binder) .....AAAA

**Kimball Co., W. W. (Piano)**  
 .....AAAA

**Lyon & Healy (Piano)**  
 .....AAAA

**Tengwall File & Ledger Co.**  
 (Loose Leaf Catalogue) .....B

**U. S. Cast Iron Pipe & Fdy. Co., 317 La Salle (Sewer Manhole)** .....AAAA

**Vassar Swiss Underwear Co. (Knit Corset)** .....C

**Vierling, McDonald & Co., 23d & Stewart Av. (Coal Hole)** .....A

**Vulcan Iron Works, 63 Milwaukee Av. (Sewer Manhole; Catch Basin)** .....AAAA

**Wilt, Chas. T. (Trunk)** .....B

**ILL.—Freeport**  
 Stover Mfg. Co. (Catch Basin; Cistern) .....AA

**ILL.—Quincy**  
 Modern Iron Works (Sewer Manhole) .....B

**IND.—Evansville**  
 Meaker & Co., Geo. L. (Coal Hole) .....AA

**IND.—Fort Wayne**  
 Central Foundry Co. (Cistern) .....F

**IND.—Indianapolis**  
 Over, Ewald, 428 S. Penn. (Sewer Manhole) .....C

**IND.—Muncie**  
 Adamson Typewriter Press Co. (Disk) .....H

**Muncie Fdy. & Mach. Co. (Sewer Manhole)** .....X

**IND.—South Bend**  
 South Bend Fdy. Co. (Sewer Manhole) .....B

**IOWA—Dubuque**  
 Adams Co. (Stove) .....A

**MAINE—Lewiston**  
 Dickey & Son, H. H. ....D

**MD.—Baltimore**  
 Baldwin Mfg. Co. (Couch) .....C

**MASS.—Boston**  
 Coffin Valve Co. (Sewer Manhole) .....D

**Leigh, Evan Arthur (Roll)**  
 .....X

**Stoddard, Haserick, Richards & Co. (Roll)** .....B

**Sturtevant Co., B. F. (Catch Basin; Trench)** .....AAA

**Tower Co., A. J. (Boat; Sail)** .....AA

**MASS.—Fall River**  
 Union Belt Co. (Roll)....B

**Wetherell, Orrin B. (Roll)**  
 .....B

**MASS.—Holyoke**  
 Holyoke Belting Co. (Roll) .....C

**MASS.—Lynn**  
 Hayes Foundry Co., J. A. (Sewer Manhole) .....F

**MASS.—Milford**  
 Milford Iron Foundry (Cistern) .....C

**MASS.—Newburyport**  
 Russell & Sons' Co., Albert (Sewer Manhole) .....C

## COVERS (Con.)

**MASS.—Pittsfield**  
Hubbell, F. W. (Sewer Manhole) .....X  
**MASS.—Springfield**  
Dickinson Hard Rubber Co. (Battery Jar) .....X  
Iroquois Mfg. Co. (Wagon) .....X  
Springfield Foundry Co. (Sewer Manhole) .....A  
**MASS.—Worcester**  
National Mfg. Co. (Dish; Wire Dish) .....A  
Wire Goods Co. (Barrel).....A  
Wright Wire Co. (Barrel) .....AA  
**MICH.—Detroit**  
Amos & Co., Chas., 94 W. Larned (Coal Hole) ....F  
Anderson & Sons, W. H. (Sewer Manhole) .....C  
Co-operative Fdy. Co., Junction Av. & Wabash R. R. (Safety Manhole) .....X  
**MICH.—Grand Rapids**  
Michigan Barrel Co. (Barrel) .....A  
Rempes & Gallmeyer Fdy. Co. (Sewer Manhole) ...B  
**MINN.—Minneapolis**  
Minneapolis Steel & Machy. Co. (Sewer Manhole; Catch Basin) .....AAA  
Northwestern Fdy. (S. T. Ferguson), 312 S. 10th Av. (Sewer Manhole) .....A  
**MINN.—St. Paul**  
South Park Fdy. & Mach. Co., Gilfillan Blk. (Sewer Manhole) .....B  
**MO.—St. Louis**  
Koken Iron Works, Koken Bldg. (Sewer Manhole) ..B  
Morrison Tent & Awning Co. (Wagon) .....C  
St. Louis Stamping Co. (Enamelled; Saucepan; Chamber) .....AAAA  
Wenzel, Herman (Wagon) .....C  
**NEBR.—Omaha**  
Paxton & Vierling Iron Wks., 17th & U. P. Ry. (Sewer Manhole); Coal Hole) .....AA  
**N. H.—Concord**  
Concord Fdy. & Mach. Co. (Sewer Manhole) .....B  
**N. J.—Jersey City**  
Dixon Crucible Co., Joseph (Crucible) .....AAA  
**N. J.—Newark**  
Duranold Mfg. Co., 28 Prospect (Battery Jar) ....B  
Hay Fdy. & Iron Works (Sewer Manhole) ....AA  
Maher & Flockhart, 60 Polk (Sewer Manhole) .....A  
Metcalf & Co., Jas. (Sewer Manhole) .....E  
Peddie & Co., T. B. (Inc.) (Trunk) .....AA  
**N. Y.—Brooklyn**  
Sweeney Mfg. Co., W. H. (Molasses Jug) .....A  
**N. Y.—Buffalo**  
Buffalo Wire Works Co. (Barrel) .....A  
Shepard & Co., Sidney (Boiler; Pail; Tea Kettle) .....AAAA  
**N. Y.—Cortland**  
Wickwire Bros. (Wire Dish) .....AAAA  
**N. Y.—Newburg**  
Coldwell-Wilcox Co. (Sewer Manhole; also Pivot) ....B  
**New York City**  
American Hard Rubber Co., 11 Mercer (Battery Jar) .....AAAA  
Brunswick-Balke - Collender Co. (Billiard Table) .....AAAA  
Campbell & Co., John (Book) .....D  
Central Stamping Co. (Boiler; Bucket; Kettle; Tea Kettle; Tin Pot) .....AA  
Cornell Co., J. B. & J. M.,

## COVERS (Con.)

26th & 11th Av. (Sewer Manhole) .....AA  
Dimond, Thomas (Vault; Iron) .....A  
Dobbie Fdy. & Mach. Co., 42 Dey (Sewer Manhole) ..D  
Drummond & Co., M. J., 192 B'way (Sewer Manhole) .....A  
Fiske Iron Works, J. W. (Coal Hole) .....B  
Fitzpatrick & Co., J. J., 481 Canal (Dynamo; Engine) .....F  
Goodyear Rubber Co. (Billiard Table; Gun; Piano) .....AAAA  
Goodyear's India Rubber Glove Mfg. Co. (Violin) .....AAAA  
Hodgman Rubber Co. (Gun) .....AA  
Hutchings Bros. (Wagon) ..D  
Kloes, F. J. (Wagon) ....F  
Lalace & Grosjean Mfg. Co. (Enamelled; Dish; Chamber) .....AAAA  
Lissa, Henry (Trunk) ....B  
McHugh, John F. (Hamper; Boat; Sail; Trunk; Wagon) .....C  
Neppert Jr., Francis (Piano) .....X  
Olleshelmer & Bros., Theo. (Hamper) .....AA  
Plant & Co., H. W., 56 Leonard (Lace Parasol; Piano) .....D  
Richards & Co., E. Ira (Diamond Earring) .AAA  
Sloan & Co. (Inc.) (Diamond Earring) .....B  
Spalding & Bros., A. G. (Inc.) (Gun) .....AAAA  
Stoutenborough, X. (Boiler; Bucket; Kettle; Pail; Perforated Frying Pan; Sauce Pan; Tea Kettle; Tin Pot; Wire Dish) ...D  
Von Lengerke & Detmold (Fishing Ring; Gun) ...A  
Zinn & Co., Chas. (Hamper) .....B  
Zittlosen Mfg. Co. (Wagon; Horse) .....B  
**N. Y.—Rochester**  
Enterprise Fdy. Co., 48 Olean (Sewer Manhole) ..B  
**N. Y.—Troy**  
Troy Stamping Co. (Tin Pot) .....AAAA  
**N. Y.—Utica**  
Miller & Son Co., Chas. (Sewer Manhole) .....AA  
Palmer, C. F. (Sewer Manhole; Coal Hole) .....C  
**OHIO—Akron**  
Whitman & Barnes Mfg. Co. (Binder) .....AAAA  
**OHIO—Ashtabula**  
Barber Mfg. Co. (Sewer Manhole; Coal Hole) ....C  
**OHIO—Cincinnati**  
Bromwell Brush & Wire Goods Co. (Barrel; Wire Dish) .....AA  
Buckeye Fdy. Co., 2237 Buck (Sewer Manhole) ..A  
Haney & Spieker, 125 W. 2d (Sewer Manhole) ....C  
Haven Malleable Casting Co. (Coal Hole) .....B  
Seinsheimer Paper Co. (Wagon) .....B  
**OHIO—Cleveland**  
Madison Av. Fdy. Co. (Sewer Manhole) .....D  
Wagner Mfg. Co. (Wagon) .....C  
**OHIO—Columbus**  
Holtzman & Sons, Henry (Piano) .....A  
McDonald Bros. (Sewer Manhole) .....C  
**OHIO—Dayton**  
Kramer Bros. Fdy. Co. (Sewer Manhole) .....C  
Kuhns Bros. (Sewer Manhole) .....B

**COVERS (Con.)**  
**OHIO—Elyria**  
 Topleff & Ely Co. (Kettle) B  
**OHIO—Hamilton**  
 Bentel & Margendant (Band Saw Wheel) .....A  
 Meyers Mfg. Co., Fred. J. (Dish; Barrel; Wire Dish; Coal Hole) .....B  
**OHIO—Tiffin**  
 Ohio Lantern Co. (Molasses Jug) .....B  
**OHIO—Toledo**  
 Toledo Fdy. & Mach. Co. (Sewer Manhole) .....B  
 Wilcox Co., M. I. (Wagon) A  
**PA.—Beaver Falls**  
 Co-operative Flint Glass Co. (Cake; Glass) .....A  
**PA.—Bradford**  
 Caldwell & Co., E. R. (Sewer Manhole) .....B  
**PA.—Catsanqua**  
 Davis & Thomas Co. (Sewer Manhole) .....AA  
**PA.—Cheltenham**  
 Pike, Mrs. E. V. (Chenille Table) .....D  
**PA.—Chester**  
 Bridge, John (Roll Top)...F  
 Howland, Wm. O. (Roll Top) .....D  
**PA.—East Bangor**  
 East Bangor Consolidated Slate Co. (Slate Grave) AA  
**PA.—Meadville**  
 Curry & Co. (Sewer Manhole) .....X  
**PA.—Mount Joy**  
 Rollman Mfg. Co. (Apple) G  
**PA.—Nazareth**  
 Nazareth Fdy. & Mach. Co. (Catch Basin) .....B  
**PA.—Philadelphia**  
 Armure Tapestry Mill (Table; Couch Tapestry)...E  
 Ayres & Sons, Wm. (Cow) AA  
 Belmont Iron Works, 22d & Washn. (Sewer Manhole) AA  
 Bromley Mfg. Co. (Chenille; Raw Silk; Silk; Tapestry Table) .....AAAA  
 Brooks & Son Co., Geo. (Tapestry Table) .....B  
 Bruner, Francis A., Union & Leiper (Tapestry Table) D  
 Campbell & Bro. Co., J. A. (Table) .....AA  
 Darby & Sons, Edw., 233 Arch (Barrel) .....A  
 Gillinder & Son (Cake; Cheese) .....A  
 Heide, Frank (Piano)....B  
 Hoyle, Harrison & Kaye, Indiana Av. & Front (Chenille; Silk; Tapestry Table) .....AAA  
 Humphry's Sons, Richard A. (Wagon) .....B  
 Lewis, Robt., Bridesburg (Table; Couch) .....B  
 Meehan-Mothes Co. (Tapestry Couch) .....A  
 Morse, Williams & Co. (Elevator Hatch) .....AA  
 Moss, Rose Mfg. Co. (Tapestry Table) .....A  
 Newton, Herbert B. (Tapestry Table) .....D  
 Phila. Tapestry Mills, Allegheny & Front (Raw Silk; Tapestry) .....AAA  
 Pollitz, Kaufman & Co., 1716 N. 5th (Lace Parasol) .....B  
 Ritchie Co., Robert J. & R. (Tapestry; Table; Couch) D  
 Smith & Co., W. T. (Chenille Table) .....AA  
 Star & Crescent Mills Co. (Table) .....A  
 Stead, Miller & Co. (Chenille; Tapestry) .....AA

**COVERS (Con.)**  
 Stroud, David H. (Chenille; Table; Couch) .....A  
 Taylor & Scott (Tapestry; Table) .....D  
 Thompson & Co., J., cor. Van Horn & Sophia (Sewer Manhole) .....A  
**PA.—Pittsburg**  
 McCullough-Dalzell Crucible Co. (Crucible) .....A  
 Phoenix Steel Construction Co., Penn. & 3d (Coal Hole) .....D  
**PA.—Reading**  
 Kitchen Specialty Co. (Perforated Frying Pan)....D  
**PA.—South Bethlehem**  
 Bethlehem Foundry & Machine Co. (Sewer Manhole) .....C  
**R. I.—Pawtucket**  
 Jenckes Mfg. Co., E. (Roll) A  
 Lumb, Geo. H. (Knit Corset) .....B  
**R. I.—Providence**  
 American Supply Co. (Roll) AA  
 Builders' Iron Foundry (Sewer Manhole) .....AA  
 Greene & Co., Wm. C. (Diamond Earring) .....D  
**TENN.—Chattanooga**  
 Chattanooga Car & Foundry Co. (Sewer Manhole) A  
**TENN.—Memphis**  
 Chickasaw Iron Works (Coal Hole) .....A  
**VA.—Hampton**  
 Hampton Mfg. Co. (Cistern) .....D  
**WIS.—Fond du Lac**  
 Fond du Lac Tent & Awning Co. (Wagon)....B  
**WIS.—Kiel**  
 Kiel Woodenware Co. (Barrel) .....B  
**WIS.—Mayville**  
 American Bottle Cover Co. (Bottle) .....X  
**WIS.—Milwaukee**  
 Am. Sign Co., 51 Erie Horse; Advertising)....A  
 Bagley & Sons, Wm., 732 Greenbush (Sewer Manhole) .....E  
 Kleckhefer Elevator Co., A. (Elevator Hatch) .....C  
**WIS.—Racine**  
 Secor Trunk Co., M. M. (Trunk) .....A  
**WIS.—South Milwaukee**  
 Stowell Mfg. & Fdy. Co. (Catch Basin) .....A

## COVERT CLOTH

Woolen Goods

## CRABS

See also Canned Goods  
 Pole Crabs see Hardware; Carriage.

**CONN.—Mount Carmel**  
 Woodruff & Sons, Walter W. (Pole) .....A  
**CONN.—New Haven**  
 English & Mersick Co. (Pole) .....B  
**CONN.—Stamford**  
 Yale & Towne Mfg. Co. (Safety) .....AAAA  
**ILL.—Chicago**  
 Fairbanks, Morse & Co., Franklin & Monroe (Windmill, &c.) .....AAAA  
 Standard Carriage Lamp Co. (Pole) .....D  
**ILL.—Harvey**  
 Whiting Ydry. Equipment Co. (Horse Power) ...AA  
**MICH.—Detroit**  
 Anderson & Sons, Wm. H. (Hoisting) .....C  
**N. Y.—Niagara Falls**  
 Dobbie Fdry. & Mach. Co.



**CRABS (Con.)**  
 (Hoisting) .....D  
**OHIO—Cleveland**  
 Brown Hoisting Machy. Co.,  
 1345 St. Clair .....AAAA  
 Round & Son, D., 2237  
 Bway. (Hoisting) .....A  
**OHIO—Ravenna**  
 Byers Machine Co. (Chain  
 Stone; Hook Stone) ....B  
**TENN.—Chattanooga**  
 Gustafson Mfg. Co., Hoist-  
 ing) .....C  
**TENN.—Nashville**  
 Union Machine Co. (Hoist-  
 ing) .....D  
**W. VA.—Fairmont**  
 Helmick Fdy. & Machine Co.  
 (Derrick) .....D

## CRACKERS

Bakers; Crackers, etc.

## CRACKERS: NUT

## CRACKERS: FIRE

See Fire Works

**CONN.—Bridgeport**  
 Acme Shear Co. ....B  
 Bridgeport Hdw. Mfg. Co. ....B  
 Jennings Bros. Mfg. Co. ....AA  
**CONN.—New Britain**  
 Landers, Frary & Clark ....AAA  
**ILL.—Chicago**  
 American Cutlery Co., 193  
 Mather .....AA  
**ILL.—Freeport**  
 Arcade Mfg. Co. ....A  
 New York City  
 International Silver Co., 9  
 Maiden Lane .....AAAA  
 Peck, Stow & Wilcox, 27  
 Murray .....AAAA  
 Sargent & Co., 151 Leonard  
 ....AAAA  
**OHIO—Cleveland**  
 Federal Mfg. Co. ....AAAA  
**OHIO—Ravenna**  
 Williams, A. C. ....A  
**PA.—Reading**  
 Reading Hdw. Co. ....AAAA

## CRACKLINGS

**OHIO—Cincinnati**  
 Conway, Daniel, 524 Poplar  
 (Tallow) .....D  
**VT.—Hyde Park**  
 Page, Carroll S. ....A

## CRADLES

See also Furniture

**IND.—ANDERSON**  
 Fisher, Thos. C. (Grain) ..C  
**IND.—Indianapolis**  
 North Indianapolis Cradle  
 Works, 29th & Elmira  
 (Grain) .....C  
**IND.—Seymour**  
 Seymour Mfg. Co. (Grain) ....B  
**IOWA—Fort Madison**  
 Iowa Farming Tool Co.  
 (Grain) .....A  
**MICH.—Jackson**  
 Withington & Cooley Mfg.  
 Co. (Grain) .....AA  
**N. Y. Conewango**  
 Spear, W. D. (Grain) ....F  
**New York City**  
 Fiske Iron Wks., J. W.  
 (Iron) .....B  
 Judd & Co., H. L. (Brass)  
 ....AA  
**OHIO—Columbus**  
 Brown, Hinman & Hunting-  
 don (Grain) .....A  
**OHIO—Kenton**

**CRADLES (Con.)**  
 Champion Iron Co. (Iron) ....AA  
**PA.—Wilmore**  
 McGuire, B. C. J. (Grain) ....F  
**VT.—Bellows Falls**  
 Derby & Ball (Grain) ....B  
**WIS.—Kenosha**  
 Kenosha Crib Co. (Toy) ..B  
**WIS.—Milwaukee**  
 Meinecke & Son, A. (Toy) ....AA  
**WIS.—Sheyboygan**  
 Garton Toy Co. (Toy) ....A

## CRANBERRIES

**CAL.—Oakland**  
 Pacific Cranberry Co. ....A  
**ILL.—Chicago**  
 Weaver & Co., C. H., 129  
 So. Water .....A  
**IOWA—Burlington**  
 Lagomarcino & Co., A. ....B  
**IOWA—Cedar Rapids**  
 Lagomarcino & Co., A. ....B  
**IOWA—Sioux City**  
 Haley & Lang Co. ....A  
**KY.—Louisville**  
 Allen & Co., J. T. ....C  
**MASS.—Falmouth**  
 Falmouth Cranberry Co. ....B  
**MASS.—Harwichport**  
 Small, E. ....B  
**MASS.—West Barnstable**  
 Makepeace, A. D. ....A  
**N. J.—Elwood**  
 Atlantic Co. for Culture of  
 Cranberries .....A  
 Champion, Saml. M. ....B  
**N. J.—Hammononton**  
 Hammononton Cranberry &  
 Imp. Ass'n .....B  
**N. J.—Laurel Springs**  
 Collings, E. J. ....B  
**N. J.—Medford**  
 Braddock Cranberry Co. ....C  
 Garwood, I. W. ....C  
 Haines, C. A. ....X  
**N. J.—Pemberton**  
 Forsyth, John. ....C  
**N. Y.—Buffalo**  
 Brennisen & Son, F., 156  
 Michigan .....B  
**New York City**  
 Lane & Son, M., 252  
 Washn. ....B  
**WASH.—Ilwaco**  
 Pacific Cranberry Co. (Br.)  
 ....A  
**WIS.—Berlin**  
 Stedman & Sons, H. ....C  
**WIS.—Eureka**  
 Trow, Rounds & Co. ....B  
**WIS.—Grand Rapids**  
 Briere & Pomanville. ....A  
**WIS.—Milwaukee**  
 Pierce Co., A. J. W., 305  
 Bway. ....B  
**WIS.—Tunnel City**  
 Winship, J. E. ....C

## CRANES

**CONN.—Ansonia**  
 Farrell Fdry. & Mach. Co.  
 (Railroad; Swing; Power;  
 Jib; Traveling) ....AAAA  
**CONN.—Derby**  
 Birmingham Iron Frdy.  
 (Power) .....AA  
 Whitcomb Metallic Bedstead  
 Co. (Iron) .....A  
**CONN.—Hartford**  
 Pratt & Whiting Co. (Light;  
 Movable Jib; Pillar; Pow-  
 er; Rectilinear; Rotary;  
 ..Swing; Tram; Walking  
 ....AAAA  
**CONN.—Stamford**  
 Yale & Towne Mfg. Co.  
 (Bridge; Derrick; Jib; Pil-  
 lar; Rectilinear; Rotary;  
 Tram; Walking) ..AAAA  
**ILL.—Batavia**  
 U. S. Wind Engine & Pump  
 Co. (Locomotive; Water)  
 ....AA  
**ILL.—Chicago**  
 Fairbanks, Morse & Co.,  
 cor. Franklin & Morse

**CRANES (Con.)**

(Locomotive; Water).... AAAA  
**HOISTING & CONVEYING**  
 Machinery Co., 44 N. Elizabeth (Jib) .....E  
 Otto Gas Engine Wks., 360 (Locomotive; Water) AAA  
 Shaw, Willis, N. Y. Life Bldg (New & Second Hand Traveling).....E  
**ILL.—Harvey**  
 Whitney F'd'y Equipment Co. (Dock; Electric; Compressed Air; Belt; Hydraulic; Power; Jib; Traveling; Pillar; Traveling; Locomotive; Pneumatic)... AA

**ILL.—Mount Vernon**  
 Mt. Vernon Car Mfg Co. (Wrecking) .....AAA

**IND.—Indianapolis**  
 Commercial Electric Co. (Electric) .....A

**IND.—New Albany**  
 New Albany Mfg Co. (Electric Traveling) .....C

**KANS.—Fort Scott**  
 Ft. Scott Fdy. & Mach. Co. (Traveling) .....H

**MAINE.—Portland**  
 Maine Electric Co. (Variable & Fixed Radius; Electric Locomotive) .....E

**MD.—Baltimore**  
 Sinclair-Scott Co. (Power).E

**MASS.—Boston**  
 Boston Bridge Wks., 47 Winter (Traveling; Gantry & Hand Power).....AA

**MASS.—Fitchburg**  
 Putnam Machine Co. (Light) A

**HASS.—Worcester**  
 Morgan Construction Co. (Hydraulic; Jib; Hand; Power; Traveling; Hydraulic; Jib; Steam) ...A

**MICH.—Bay City**  
 Industrial Wks. (Steam; Hand; Dock; Electric; Locomotive; Jib; Traveling; Pillar; Transfer; Wrecking; Derrick; Light; Locomotive) .....AA

**MICH.—Detroit**  
 Byram & Co. (Inc.), 435 Guvin (Hand; Power; Jib; Traveling; Ingot).....D

**Northern Engineering Wks.**  
 Cantilever; Dock; Elect. Locomotive; Gantry; Hand Power; Hydraulic; Jib; Pillar; Pneumatic; Railroad; Tower Riveting; Elect. Traveling).....A

**Russell Wheel & Fdy. Co.**  
 (Gantry) .....AA

**Whitehead & Kales Iron Wks.**  
 (Jib; Hand Traveling) .....A

**MICH.—Muskegon**  
 Shaw Electric Crane Co. (Elec. Traveling; Revolving; Hand Power; Charging; Dock; Gantry; Jib; Power) .....A

**MICH.—Saginaw**  
 Wickes Bros. (Hand Traveling) .....AAA

**MICH.—Three Rivers**  
 Sheffield Car Co. (Locomotive ater; Wrecking) AA

**MINN.—Minneapolis**  
 Kilgore Machine Co. (Steam Saw Mill).....X  
 Minneapolis Steel & Mch Co. (Jib; Hand Power) AAA

**MINN.—St. Paul**  
 Amer. Holst & Derrick Co. (Locomotive) .....AAA

**MO.—St. Louis**  
 American Car & Fdy. Co., 706 Chestnut (Wrecking) AAAA

**Curtis & Co. Mfg. Co., 2201 Washington Av.**  
 (Pneumatic Air Motor; Air Traveling) .....A

**N. J.—Jersey City**  
 Smith & Sone Co., Theo., ft. of Essex (Dock) .....A

**CRANES (Con.)**

**N. Y.—Albany**  
 Osgood Dredge Co. (Derrick; Power).....B

**N. Y.—Buffalo**  
 Contractors Plant Mfg. Co., 127 Erie (Jib) .....B

**N. Y.—Montour Falls**  
 General Pneumatic Tool Co. (Pneumatic) .....B

**New York City**  
 Fairbanks Co., 416 Broome (Hydraulic Jib).....AAA

**Manning, Maxwell & Moore,**  
 85 Liberty (Electric Traveling) .....AA

**New Jersey Fdy. & Mach. Co., 15 Murray**  
 (Elec. Traveling; Jib; Locomotive; Dock; Hand Power; Hand Traveling) D

**Niles-Bement-Pond Co., 136 Liberty**  
 (Elec. & Hand Traveling; Hand Power; Jib; Swing) .....AAA

**Reilly Bros. (Wash Line), D**  
 Shriver & Co., T., 333 E. 56th (Elec. Traveling; Hand Power) .....A

**Watson-Stillman Co., 210 E. 43rd**  
 (Hydraulic) .....A

**N. Y.—Niagara Falls**  
 Dobbie Fdy. & Mach. Co. (Dock; Hand Power; Jib; Traveling) .....D

**N. Y.—Schenectady**  
 General Elec. Co. (Elec. Traveling) .....AAAA

**N. Y.—Troy**  
 Ludlow Valve Mfg. Co. (Water; for sprinkling care, &c.) .....AAA

**N. Y.—Waterford**  
 Eddy Valve Co. (Water for sprinkling wagons, &c.) .....AA

**OHIO—Alliance**  
 Alliance Machine Co. (Charging; Drawing; Elec. Locomotive; Traveling; Forge; Gantry; Hand Power; Hydraulic; Hydraulic Jib; Pillar; Swing; Tower Riveting; AA

**Morgan Engineering Co.**  
 (Charging; Drawing; Elec. Traveling; Locomotive; Forge; Gantry; Hydraulic; Jib; Pillar; Tower Riveting; Derrick).....AAAA

**OHIO—Cincinnati**  
 American Valve & Meter Co. (Automatic Locomotive Water) .....A

**Bullock Electric Mfg. Co.**  
 (Electric Traveling; Locomotive) .....AA

**Obermayer Co. S. (Electric; Hand Power; Jib).....AA**

**Triumph Ice Mach. Co., 610**  
 Baymiller (Elec. Traveling; Pneumatic) .....A

**OHIO—Cleveland**  
 Brown Hoisting Mch. Co., 1345 St. Clair (Cantilever; Dock; Steam; Electric Traveling; Locomotive; Gantry, Hand Traveling; Gantry, Hand Traveling; Wrecking; Hand Traveling) .....AAAA

**Electric Controller & Supply Co. (Automatic; Electric) .....A**

**Garry Iron & Steel Co.**  
 (Hand Power; Pneumatic Air Motor; Revolving; Dock; Electric; Electric Bridge Gantry; Hand Traveling; Hydraulic; Jib; Locomotive; Hand Traveling) .....A

**Kaltenbach & Griess (Traveling) .....B**

**Vana Dorn Iron Wks. Co.**  
 (Hand Power).....AA

**Wellman-Seaver-Morgan**  
 Engraving Co. (Elec. Traveling; Revolving; Charging; Dock; Gantry; Hand Power; Hand Traveling; Hydraulic; Traveling Power) .....AAAA

**CRANES (Con.)**

**OHIO—Collinwood**  
Browning Engineering Co.  
(Dock; Electric Traveling;  
Power; Steam; Elec. Jib;  
Power and Steam Travel-  
ing) .....X  
**OHIO—Columbus**  
Case Mfg. Co. (Electric  
Traveling; Hand Power;  
Belt; Hand Power; Elec.  
Jib; Locomotive; Over-  
hanging Jib; Power;  
Charging; Gantry; Hy-  
draulic; Pneumatic;  
Traveling Power; Wreck-  
ing) .....A  
**OHIO—Cuyahoga Falls**  
Turner, Vaughn & Taylor  
Co. (Hand; Traveling  
Power) .....B  
**OHIO—Hamilton**  
Niles Tools Works Co. (Elec-  
tric; Traveling) ..AAAA  
**OHIO—Marion**  
Marion Steam Shovel Co.  
(Wrecking) .....AAA  
**OHIO—Springfield**  
Rogers Iron Co. (Electric  
Traveling; Hydraulic) ..B  
**OHIO—Toledo**  
Toledo Fdy. & Mach. Co.  
(Traveling) .....B  
**OHIO—Wickliffe**  
Cleveland Crane & Car Co.  
(Elec. Locomotive; Travel-  
ing; Bridge; Hand Power;  
Jib; Hand Traveling) ..B  
**OHIO—Youngstown**  
Tod Co., Wm., (Direct Self  
Acting Hydraulic) ....AA  
Youngstown Engineering Co.  
(Electric Traveling) ....H  
**PA.—Allegheny**  
Carlin's Sons, Thos (Travel-  
ing) .....A  
**PA.—Chambersburg**  
Chambersburg Engineering  
Co. (Hand Power; Hydraul-  
ic; Swing; Traveling) ..A  
**PA.—Coatesville**  
Ridgway, Craig & Son Co.  
(Hydraulic Direct Self  
Acting & S., Jib; Swing;  
Pneumatic; Power) ....A  
**PA.—Franklin**  
Franklin Portable Crane &  
Hoist Co. (Portable, all  
iron on wheels; Hand  
Power) .....B  
**PA.—New Castle**  
Vulcan Fdy. & Mach Co.  
Pillar; Center Post Jib;  
Locomotive; Pillar, for  
breaking large castings;  
Swing; Wrecking; Ingot;  
Derrick) .....A  
**PA.—Philadelphia**  
Bement, Niles & Co. (Power)  
.....AAAA  
Brill Co., J., G., 62nd &  
Woodland Av. (Electric  
Locomotive) .....AAAA  
Dallett & Co., Thos H., cor.  
York & Sedgley (Electric  
Traveling) .....B  
Dodge Coal Storage Co. (Re-  
volving Locomotive) ....A  
Harrington, Son & Co., Edw.  
15th & Penn. Av. (Hand  
Traveling; Electric) ..AA  
Maris Bros., 56th & Gay's  
Av. (Jib; Hand; Electric  
Traveling) .....D  
Pedrick & Ayer Co., 1001  
Hamilton (Pneumatic Jib)  
.....A  
Pennsylvania. Iron Wks.  
(Hydraulic) .....AAA  
Phila. Engineering Co.  
(Electric Traveling) .....AAAA  
Philadelphia Roll & Mach.  
Co., So. 23rd & Washing-  
ton Ave. (Hydraulic) ..A  
Sellers & Co., Wm. (Inc.),  
1600 Hamilton (Charging;  
Drawing; Dock; Electric;  
Power Traveling; Gantry;  
Hydraulic; Jib; Railroad;  
Swing; Wrecking; Car)  
.....AAAA  
Southwark Fdy. & Mach.  
Co. (Hydraulic) ....AAA  
Walton, P. M., 1023 Ger-  
mantown Av. (Traveling)

**CRANES (Con.)**

Wood & Co., R. D., 400  
Chestnut (Hydraulic; Jib;  
Traveling) .....AAAA  
**PA.—Pittsburg**  
Jones & Laughlin's Steel Co.  
(Small Jib or Worm  
Hoist) .....AAAA  
Lewis Fdy. & Mach Co.,  
1001 Bingham (Hand  
Power; Hydraulic; Jib) ..A  
Mackintosh-Hemphill & Co.,  
(Ltd.), ft. 12th (Hydrau-  
lic) .....AAAA  
Riter-Conley Mfg. Co. (Jib)  
.....AAA  
Scaife Fdy. & Mach. Co.,  
28th & Smallman (Hand  
Power; Hydraulic) .....B  
United Engineering & Fdy.  
Co., 54th & A. V. Ry. Hy-  
draulic; Jib; Whip) .AAAA  
**PA.—Reading**  
Johnston Fdry. & Mach Co.  
(Traveling) .....B  
Reading Crane & Hoist  
Wks. (Hand Power  
Traveling) .....A  
Speidel, J. G., cor. Button-  
wood & Gordon (Hand  
Power Traveling) .....B  
**PA.—South Bethlehem**  
Bethlehem Fdy. & Mach Co.  
(Traveling; Gantry) ....C  
**VT.—Barre**  
Smith Whitcomb & Cook  
Co. (Traveling) .....C  
Whitcomb Bros. (Hand  
Traveling) .....X  
**VT.—Montpelier**  
Lane Mfg. Co. (Traveling,  
for marblestone yards &c.)  
.....A  
**VT.—Rutland**  
Lincoln Iron Wks. (Swing;  
Electric Traveling) ....A  
**WIS.—Milwaukee**  
Pawling & Harnischfeger  
(Electric Traveling; Hand  
Power; Jib; Locomotive;  
Traveling Power; Ladle)  
.....AAA  
**WIS.—So. Milwaukee**  
Bucyrus Co. (Wrecking) ....AAA

**CRANKS**

**CONN.—New Britain**  
Corbin P. & T. (Bell) .....AAAA  
**CONN.—New Haven**  
Sargent & Co. (Bell) .AAAA  
**MASS.—Fairhaven**  
Babbitt Bros. (Loom) ....D  
**MASS.—Worcester**  
Steele & Bros., A. H.  
(Loom) .....X  
**MICH.—Detroit**  
Anderson & Sons. W. H.  
(Gas Engine) .....C  
**N. Y.—Auburn**  
Eccles Co., Richard .....A  
Leather & Brass Mfg. Co.  
(Bicycle) .....F  
**N. Y.—Buffalo**  
Pratt & Letchworth Co. ....AAA  
**New York City**  
Ostrander & Co., W. R.,  
22 Dey (Bell) .....A  
Peck, Stow & Wilcox, 27  
Murray (Bell) .....AAAA  
Sargent & Co., 151 Leonard  
(Bell) .....AAAA  
Russell & Erwin Mfg. Co.,  
43 Chambers (Bell) .AAAA  
**OHIO—Cleveland**  
Dyson & Sons, Jos. ....A  
**PA.—Reading**  
Reading Hdw. Co. (Bell)  
.....AAAA  
**PA.—South Bethlehem**  
Bethlehem Steel Co. (Marine  
Engine; Stationary En-  
gine) .....AAAA  
**PA.—Wilkesbarre**  
Vulcan Iron Wks. ....AAAA  
**VT.—Bellows Falls**  
Vermont Farm Mach Co.  
(Hoisting) .....C  
**WIS.—Evansville**  
Baker Mfg. Co. (Pumping)  
.....AA

## CRASHES

Cotton Goods

## CRATES

See also Boxes

**LA.**—New Orleans  
Pelican Box Factory.....D  
**MASS.**—Greenfield  
Rugg Mfg. Co.....F  
**MICH.**—Bay City  
Vance Box Co., E. J. (Ltd.)  
(Bicycle).....B  
**MICH.**—Saginaw W. S.  
Saginaw Basket Co. (Bicycle)  
.....C  
**N. J.**—Jersey City  
Dodge & Bliss.....AA  
**N. Y.**—Brooklyn  
Dykman, Jas. H.....A  
**N. Y.**—North Tonawanda  
Butts & Co., Chas. G.....D  
**OHIO**—Berlin Heights  
Berlin Fruit Box Co.....D  
**OHIO**—Cleveland  
Smeed Box Co.....B  
854 6:5 '05 543 Register 229  
**TENN.**—Greenfield  
Ward-Kent Co.....A  
**VA.**—Petersburg  
South Side Mfg. Co. (Fruit  
Nesting).....C

## CRAYONS

**GA.**—Spring Place  
Oohutta Talc Co. (Black-  
board; Boiler Makers';  
Metal Workers'; Railroad;  
Rolling Mill).....E  
**MASS.**—Pawtucketville  
Lowell Crayon Co.....B  
**N. J.**—Jersey City  
Dixon Crucible Co., Jos  
(Colored; Metal Workers')  
AAA  
**New York City**  
American Lead Pencil Co.  
(Colored).....AA  
Binney & Smith Co., 81  
Fulton (Artists').....D  
Chrystal, Chas. B. 51 Cliff  
(Metal Workers').....D  
Eagle Pencil Co. (Colored)  
AAA  
Faber, Eberhard (Colored)  
AAA  
Horn, Wm., 120 Centre  
(Lithographic; Marking)  
F  
**N. Y.** Silicate Book Slate  
Co. (Silicate).....D  
**N. Y.**—Rochester  
Franklin Crayon Co. (Check-  
ing; Civil Engineers') D  
**N. Y.**—Syracuse  
Will & Baumer (Wax) ..AA  
**N. C.**—Hewett  
North Carolina Talc & Min-  
ing Co. (Metal Workers')  
C  
**OHIO**—Cincinnati  
Obermayer Co., S. (Metal  
Workers').....AA  
**OHIO**—Girard  
Greenwood, D. (Billiard  
Cue; Dustless).....H  
**OHIO**—Sandusky  
American Crayon Co.  
(Artists').....AA  
**TENN.**—Chattanooga  
American Lava Co.  
(Foundry).....D  
Steward Mfg. Co., D. M.  
(Colored; Dustless) ....B

## CREAM

See Milk

## CREAM, COLD

**MAINE**—Portland  
Hinds, A. L.....A  
**MICH.**—St. Louis  
Pozzoni & Co., J. A.....B  
Seilve Mfg. Co.....C  
**N. Y.**—Binghamton  
Simons Mfg. Co., W. E...D  
**N. Y.**—Brooklyn  
Chesebrough Mfg. Co..AAAA  
**N. Y.**—Buffalo  
Larkin Co.....AAAA

## CREAM, COLD (Con.)

**New York City**  
Barclay & Co., 44 Stone...A  
Caswell, Massey & Co....X  
Doggett & Ramsdell, W.  
34th .....C  
Recamier Mfg. Co.....F  
**OHIO**—Toledo  
Robinson Thermal Bath Co.  
C  
**PA.**—Philadelphia  
Shull, Wm. A., 142 N. 4th  
F  
Vall Bros., 25 Broad.....C  
**R. I.**—Providence  
Rumford Chemical Co.  
AAAA

## CREAM TAR- TAR

**MASS.**—Boston  
Slade Co., D. & L., 18  
India .....A  
**New York City**  
Pfizer & Co., Charles.AAAA  
Tartar Chemical Co.....AAA

## CREASERS

**N. J.**—Newark  
Heller Bros. Co. (Black-  
smiths') .....AA

## CREELS

**MASS.**—Lowell  
Lowell Machine Shop (Re-  
volving) .....AAAA  
**PA.**—Philadelphia  
Diamond Textile Machine  
Wks., 2d & Diamond...E  
Smith Woolen Machy. Co.,  
Jas., 411 Race.....AA

## CREEPERS

**CONN.**—Torrington  
Union Hdw. Co. (Ice) ....A  
**MAINE**—Augusta  
Gay, Geo. E. (Ice).....E  
**MD.**—Baltimore  
Sinclair-Scott Mfg. Co.  
(Ice) .....E

## CREME-DE- MENTHE

Cordials

## CREOSOTE

**GA.**—Savannah  
Pine Products Co. (Crude)  
X  
**LA.**—New Orleans  
American Creosote Wks...B  
**LA.**—Shidell  
Southern Creosoting Co...A  
**MO.**—St. Louis  
Mallinckrodt Chemical Wks.  
AAAA  
**New York City**  
Barrett Mfg. Co.....AAAA  
White Tar Co., 101 No.  
Moore .....E  
**N. C.**—Wilmington  
Spiratine Chem. Co. (Wood)  
O  
**VA.**—Norfolk  
Norfolk Creosoting Co...A

## CREPE-DE- CHINE

See Silk Goods

## CRESTING

**OHIO**—Canton  
Berger Mfg. Co. (Galvan-  
ized Iron) .....AA  
**PA.**—Pittsburg  
Kratzer & Co., W. N. (Gal-  
vanized Iron) .....D  
**WIS.**—Milwaukee  
Bayley & Sons Co., Wm.  
(Galvanized Iron).....A

## CRIBS

See also Furniture

**ILL.**—Joliet  
Adam, W. J. ....X  
**IND.**—Richmond  
Elliott & Reid Co. (Portable  
Corn) .....D  
**IA.**—Cedar Rapids  
Denning Wire & Fence Co.  
(Portable Corn) .....B  
**KANS.**—Kansas City  
Clippinger & Son, A. B.  
(Portable Corn) .....B

## CRIMPERS

**CONN.**—Waterbury  
American Pin Co. (Hair)  
AA

**IND.**—Richmond  
Bartel & Co., A. H. (Hair)  
A

**MASS.**—Boston  
New England Novelty Mfg.  
Co. (Hair) .....H

**MASS.**—Worcester  
National Mfg. Co. (Pie)...A

**MICH.**—Sturgis  
Berridge Shear Co. (Pipe)  
C

**N. J.**—Smithville  
Smith Mach. Co., H. B.  
(Blind Slat) .....A

**N. Y.**—Buffalo  
Buffalo Last Wks. ....B  
New York City  
American Wood Working Co.  
(Blind Slat) .....AAAA

Dunlap Machinery Co. ....F  
Walbridge & Co., J. H., 337  
Broadway .....B

**PA.**—Philadelphia  
Philadelphia Novelty Mfg.  
Co. (Hair) .....D

## CRINOLINE

**CONN.**—Middletown  
Palmer, I. E. ....AA

**N. Y.**—New Brighton  
Irving Mfg. Co. ....B  
**R. I.**—Scituate  
North Scituate Cotton Mills  
O

## CRIPPLES

**OHIO**—Elyria  
Worthington Mfg. Co.  
(Bicycles) .....B

## CROCKERY

See also Stoneware; Earth-  
enware, &c.

**CONN.**—New Haven  
Elm City Mfg. Co. ....C  
**GA.**—Atlanta  
Lillienthal Crockery Co. ....D

**ILL.**—Chicago  
Burley & Co., 118 Wabash  
Av. ....AA

**N. J.**—Trenton  
Greenwood Pottery Co. ....A  
Norris, James E. ....A

**Resolute Pottery Co.** ....X  
New York City  
Barth & Son, L., 87 1st  
Av. ....A

**OHIO**—Cincinnati  
Cincinnati Glass & Crockery  
Co. ....O

**OHIO**—East Liverpool  
Knowles, Taylor & Knowles  
Co. ....AAAA

Laughlin, Homer China Co.  
AAAA

Thompson Pottery Co., C.  
O. ....AA

**OHIO**—Toledo  
Daudt Glass & Crockery Co.  
A

**OHIO**—Toronto  
American China Co. ....B

## CROCKERY (Con.)

**W. VA.**—Wheeling  
Wheeling Potteries Co. AAA

## CROCKS

542C CROCKS  
**CAL.**—San Francisco  
Gladding, McBean & Co.  
(Acid) .....AA

**COLO.**—Denver  
Denver Stoneware Co.  
(Milk) .....X

**IOWA**—Fort Dodge  
Fort Dodge Stoneware Co.  
O

**N. J.**—Haddonfield  
Wingender & Bro., Chas.  
(Earthenware Chimneys)  
E

## CROCUS

**MICH.**—Detroit  
Stevens, F. B. (English)...A  
New York City  
Smith & Co., J. Lee....AA

## CROOKS

**ILL.**—Chicago  
Burch & Co., F. S. (Shep-  
herds') .....B

**IOWA**—Fort Madison  
Iowa Farming Tool Co.  
(Shepherds') .....A

**MICH.**—Jackson  
Withington & Cooley Mfg.  
Co. (Shepherds').....AA

## CROPS: RIDING

New York City  
880 6:6 '5 543 Register—830  
Follmer, Clogg & Co., 395  
Broadway .....AAA

Gorham Mfg. Co., 19th &  
Broadway .....AAAA

Harrison, W. W., 1149  
Broadway .....D

Ware & Co., Arthur W., 109  
Leonard .....B

White & Major, 46 Howard  
X

**PA.**—Philadelphia  
Hirsh & Bro. ....A  
Simons Bro. & Co. ....A

## CROQUET

See Games

## CROSSES

**CONN.**—Bridgeport  
Belknap Mfg. Co. ....O

**N. J.**—Newark  
Durand & Co. (Inc.)....AA  
New York City  
Fiske Iron Wks., J. W.  
(Iron) .....B

Hughes, Thos., 51 E. 9th  
(Electric) .....D

Jones, Thos. W., 18  
Fletcher (Church).....E

Lamb, J. & R. (Bronze;  
Iron) .....D

Richards & Co., E. Ira  
AAA

Sloan & Co. ....B  
Westervelt, A. B. & W. T.  
(Iron) .....B

**R. I.**—Providence  
Lederer Co., S. & B. ....C  
**WIS.**—Sheboygan  
Kohler Sons Co., J. M.  
Enameled; Cast Iron)...A

## CROSSINGS

See also Frogs

**ILL.**—Chicago  
Ajax Forge Co., 138 E. Jack-  
son Boul. (Railroad)...AA

Morden Frog & Crossing  
Wks., The Rookery (Rail-  
road) .....A

Pettibone, Mulliken & Co.

**CROSSINGS (Con.)**  
 (Railroad) .....AAAA  
**ILL.—East St. Louis**  
 Elliott Frog & Switch Co.  
 (Railroad) .....AA  
**IND.—Elkhart**  
 Elkhart Frog & Crossing  
 Wks. (Railroad) .....C  
**MASS.—Boston**  
 Harrington, Robinson & Co.  
 D  
**MASS.—Cambridge**  
 Barbour, Stockwell Co.  
 (Railroad) .....A  
**MASS.—Springfield**  
 Hawkins Iron Wks., R. F.  
 E  
**N. J.—Hoboken**  
 New York Switch & Cross-  
 ing Co. (Railroad) .....A  
**New York City**  
 Buckley & Co., L. J., 257  
 Bway. (Railroad) .....B  
 Hunt Co., C. W., 45 Bway.  
 (Railroad) .....AA  
 Koppel, Arthur, 68 Broad  
 (Railroad) .....A  
**OHIO—Cincinnati**  
 Weir Frog Co., Front &  
 Smith (Railroad) .....A  
**OHIO—Cleveland**  
 Bowler Mfg. Co. ....B  
 Cleveland Frog & Crossing  
 Co. (Railroad) .....B  
 Fulton Foundry Co. ....C  
**OHIO—Springfield**  
 Indianapolis Switch & Frog  
 Co. (Railroad) .....B  
**PA.—Allentown**  
 Allentown Rolling Mills  
 (Railroad) .....AAA  
**PA.—Philadelphia**  
 Pennsylvania Steel Co.  
 AAAA  
**Wharton & Co., Wm., Jr.**  
 (Inc.) (Railroad) .....AAA  
**PA.—Steelton**  
 Pennsylvania Steel Co.  
 (Railroad) .....AAAA  
**PA.—Swissvale**  
 Union Switch & Signal Co.  
 (Railroad) .....AAAA  
**PA.—Wilkesbarre**  
 Vulcan Iron Wks. (Rail-  
 road) .....AAAA  
**WIS.—Milwaukee**  
 Falk Co. (Railroad) .....AAA

## CROSSWALKS

**547 CROSSWALKS**  
**N. Y.—Oxford**  
 Clarke Blue Stone Co., F. G.  
 (Stone) .....A  
**OHIO—Cleveland**  
 Cleveland Stone Co. (Stone)  
 AAAA  
**OHIO—West Clarksfield**  
 Warner Stone Co. ....A

## CROWFEET

**CONN.—Guilford**  
 Spencer's Sons, I. S. (Iron)  
 A

## CROWNS

**CONN.—Seymour**  
 Matthews Mfg. Co. (Fork)  
 B  
**ILL.—Chicago**  
 Lefort, Henry G., 153 Wa-  
 bash Av. (Watch) .....C  
**N. J.—Newark**  
 Nobs & Son, Chas. H.  
 (Watch) .....D  
**New York City**  
 Consolidated Dental Mfg.  
 Co., 115 W. 42d (Gold  
 Dental) .....B

## CROZER

**OHIO—Cleveland**  
 Oram, Jno. S., 1 N. Coe  
 (Hogshead) .....A

## CRUCIBLES

**COLO.—Denver**

**CRUCIBLES (Con.)**  
 Denver Fire Clay Co. ....AA  
**CONN.—Bridgeport**  
 Bridgeport Crucible Co. ....A  
**MASS.—Taunton**  
 Phoenix Crucible Co. ....AAA  
 Taunton Crucible Co. ....B  
**N. J.—Jersey City**  
 Dixon Crucible Co., Jos.  
 AAA

**New York City**  
 Peabody & Co., Henry W.  
 AAA

**OHIO—Cincinnati**  
 Obermayer Co., S. ....AA  
**PA.—Malvern**  
 Bishop & Co., J. (Platinum)  
 D

**PA.—Philadelphia**  
 Seidel, Reuben B. ....A  
 Taylor, Robert J., Inc., 19th  
 & Callowhill (Bleck Lead)  
 A

**PA.—Pittsburg**  
 McCullough-Dalzell Crucible  
 Co. (Brass Melting) ....A

## CRUCIFIXES

**New York City**  
 Lamb, J. & R., 59 Carmine  
 D  
 Sloan & Co. ....B

## CRULLERS

**MO.—St. Louis**  
 St. Louis Stamping Co.  
 AAAA

**New York City**  
 Central Stamping Co. ....AA  
 Lalanc & Grosjean Mfg.  
 Co. ....AAAA  
 Stoutenborough, X. ....D

## CRUMBERS

**N. H.—Antrim**  
 Goodell Co. (Bread) .....A

## CRUPPERS

**IND.—Charlestown**  
 Bastian & Sussman .....H  
 Graf Crupper Co., J. ....F  
**N. J.—Newark**  
 Peters Harness & Saddlery  
 Co. ....C  
**New York City**  
 Smith, Worthington & Co.  
 AA

**OHIO—Dayton**  
 Victor Crupper Co. ....H

## CRUSHERS

See also Rollers; Pulver-  
 izers; Ag. Implements.

**CAL.—Benicia**  
 Benicia Iron Wks. (Barley;  
 Corn; Cob) .....AA  
**CAL.—Los Angeles**  
 Calkins Co. (Rock; Ore) .E  
**CAL.—San Francisco**  
 Hendy Mach. Wks., Joshua,  
 38 Fremont (Rock; Ore)  
 AA

**Marshutz & Cantrell, cor.**  
 Main & Howard (Rack;  
 Ore) .....A  
 Union Iron Wks., 222 Mar-  
 ket (Rock; Ore) .....X

**COLO.—Denver**  
 Denver Engineering Wks.  
 Co., cor. Blake & 30th  
 (Ore) .....A  
 Mine & Smelter Supply Co.  
 (Ore) .....AAAA  
 Stearns-Rogers Co. (Ore) .A

**CONN.—Ansonia**  
 Farrell Fdry. & Machine Co.  
 (Portable; Ore; Rack;  
 Stone) .....AAAA

**CONN.—New Haven**  
 Harrison, Leonard D. (Corn;  
 Cob) .....H

**CONN.—Thompsonville**  
 Bushnell Press Co., G. H.  
 (Grape) .....A

**CRUSHERS (Con.)**

**DEL.**—Wilmington  
Walker & Elliot (Phosphate;  
Rock; Stone) .....B  
**GA.**—Atlanta  
Van Winkle Gin & Mach.  
Wks., E. (Cotton Seed) .....AAA  
**ILL.**—Aurora  
Western Wheeled Scraper  
Co. (Rock; Stone)....AAA  
**ILL.**—Batavia  
Appleton Mfg. Co. (Corn;  
Cob) .....A  
**ILL.**—Chicago  
Allis-Chalmers Co., Home  
Ins. Bldg. (Coal; Rock;  
Ore) .....AAAA  
Austin Western Co., Man-  
hattan Bldg. (Rock; Ore) .....B  
Contractors' Supply & Equip-  
ment Co. (Rock; Ore)....B  
Drake Standard Mach. Wks.  
(Clay) .....B  
National Drill & Mfg. Co.,  
Pullman Bldg. (Rock;  
Ore) .....B  
Raymond Bros. Impact Pul-  
verizer Co., 142 Laflin  
(Clay; Rock; Ore).....D  
Shaw, Willis, N. Y. Life  
Bldg. (Rock; Ore).....E  
**ILL.**—Decatur  
Leader Iron Wks. (Clay).D  
**ILL.**—Downers Grove  
Dicke Tool Co. (Rock;  
Stone) .....C  
**ILL.**—Freeport  
Stover Mfg. Co. (Corn)...AA  
**ILL.**—Galesburg  
Frost Mfg. Co. (Clay)....A  
**ILL.**—Harvey  
Austin Mfg. Co., F. C.  
(Rock; Ore; Stone)...AAA  
**ILL.**—Peru  
Brunner, Chas. (Clay)....A  
**IND.**—Anderson  
American Bridge & Scraper  
Co. (Rock; Ore).....D  
Anderson Fdry. & Mach.  
Wks. (Clay) .....B  
**IND.**—Aurora  
Stedman's Fdry. & Mach.  
Co. (Clay; Coal; Coke;  
Phosphate Rock).....D  
**IND.**—Columbus  
Keller, C. M. (Coal; Coke)  
.....C  
**IND.**—Fort Wayne  
Indiana Road Machine Co.  
(Rock; Ore; Stone)...A  
**IND.**—Frankfort  
Wallace Mfg. Co. (Clay).C  
**IND.**—Indianapolis  
Nordyke & Marmon Co.  
(Barley; Corn; Cob).AAA  
Over, Ewald (Clod).....C  
**IND.**—Richmond  
Richmond City Mill Wks.  
(Corn; Cob).....B  
**IND.**—Rushville  
Madden & Co. (Clay)....D  
**IND.**—South Bend  
Bowsler Co., N. P. (Corn).D  
**IOWA**—Des Moines  
Eagle Iron Wks. (Clay)...A  
**KANS.**—Leavenworth  
Great Western Mfg. Co.  
(Corn) .....AAA  
**LA.**—New Orleans  
Whiting Iron Wks. Co.  
(Sugar Cane) .....AA  
**MD.**—Baltimore  
Sinclair-Scott Co. (Corn;  
Cob) .....E  
**MASS.**—Boston  
Ames Plow Co., Quincy  
Hall (Corn; Cob)...AAAA  
Bradley Fertilizer Co. (Ore;  
Rock; Stone).....AAAA  
Sturtevant Mill Co., Harri-  
son Sq. (Rock; Ore; Plas-  
ter) .....B  
**MICH.**—Detroit  
Huettemann & Creamer Co.  
(Clay) .....A  
**MICH.**—Grand Rapids  
Butterworth & Lowe (Plas-

**CRUSHERS (Con.)**

ter) .....A  
**MICH.**—Hancock  
Portage Lake Fdry. & Mach.  
Co. (Rock; Ore).....D  
**MICH.**—Marquette  
Lake Shore Engine Wks.  
(Rock; Ore) .....A  
**MICH.**—Monroe  
Wildier Strong Impl. Co.  
(Fertilizer; Clod).....B  
**MICH.**—Port Huron  
Port Huron Engine &  
Thresher Co. (Rock; Ore)  
.....AAA  
**MICH.**—Tecumseh  
Brewer & Co., H. (Clay).B  
**MINN.**—Minneapolis  
Schutz-O'Neill Co. (Clay;  
Coal; Rock; Ore).....C  
**MO.**—St. Louis  
Fernholtz Brick Machy. Co.,  
Boyle & Old Manchester  
Av. (Clay) .....D  
Scott Mfg. Co. (Clay)...D  
South St. Louis Fdry., 7516  
S. Bdw. (Rock; Ore).C  
Williams Patent Crusher &  
Pulverizer Co., 2705 N.  
Bdw. (Clay; Quartz  
Rock) .....B  
**N. H.**—Nashua  
White Mountain Freezer Co.  
(Ice) .....AA  
**N. J.**—Garwood  
Beckley & Co., A. J. (Rock;  
Stone) .....D  
**N. J.**—High Bridge  
Taylor Iron & Steel Co.  
(Rotary) .....AAAA  
**N. J.**—Rockaway  
Hoagland Son Co., M.  
(Rock; Stone).....A  
**N. Y.**—Brooklyn  
Nebel, M. A., 72 Grand Av.  
(Clay) .....D  
Pioneer Iron Wks., 151  
William (Sugar Cane)...A  
**N. Y.**—Buffalo  
Noye Mfg. Co., John T., 50  
Lakeview Av. (Coal; Bar-  
ley; Plaster; Corn; Cob)  
.....X  
Sculer Mfg. Co., Geo. L.,  
420 Niagara (Sugar Cane;  
Coffee) .....AAAA  
**N. Y.**—Frankfort  
Acme Road Machy. Co.  
(Rock; Ore) .....B  
**N. Y.**—Marathon  
Climax Road Machine Co.  
(Rock; Ore) .....B  
**N. Y.**—Newburgh  
Coldwell-Wilcox Co. (Rock;  
Ore; Sugar Cane).....B  
**New York City**  
American Road Roller Co.,  
156 5th Av. (Rock; Ore)  
.....B  
Bacon, Earle C., 26 Cort-  
landt (Rock; Ore) .....B  
Burns & Sons, Jabez (Cof-  
fee) .....B  
Cornell Co., J. B. & J. M.,  
26th & 11th Av. (Sugar  
Cane) .....AA  
Crandall & Godley Co. (Ice)  
.....AA  
Deeley & Co., Robt., 507  
W. 32d (Sugar Cane)...AA  
Hunt Co., C. W., 45 Bway.  
(Coal; Rock; Ore)....AA  
Krajewski-Pesant Co., 82  
Bway. (Sugar Cane)...AA  
Kroun Machine Wks., 170  
Bway. (Rolling Toggle).D  
Mead & Co., John A., 11  
Bway. (Coal) .....AA  
Mundt & Sons, Chas. (Ore;  
Rock) .....B  
Newell Mfg. Co., 149  
Bway. (Clay) .....D  
Scholl & Co., Julian, 126  
Liberty (Rock; Ore)...C  
Turlis' Sons, Jno., 536 W.  
28th (Sugar Cane).....D  
**N. Y.**—Syracuse  
Boomer & Boschert Co.  
(Cotton Seed) .....A

**CRUSHERS (Con.)**

**M. Y.—Walton**  
 Hoyt & Co., L. E. (Rock;  
 Ore) .....X  
**M. C.—Statesville**  
 Steele & Sons, J. C. (Clay)  
 B  
**OHIO—Akron**  
 Taplin-Rice & Co. (Clay)..B  
 Webster, Camp & Lane  
 Mach. Co. (Clay)..AAAA  
**OHIO—Bucyrus**  
 Amer. Clay Working Machy.  
 Co. (Clay) .....X  
**OHIO—Canton**  
 Aultman Co. (Rock; Ore)  
 AAAA  
 Bonnot Co. (Clay; Rock;  
 Ore) .....A  
**OHIO—Cincinnati**  
 Arnold-Creager Co. (Clay)..B  
 Miller, L. J. (Cotton Seed)  
 X  
 Stacey Mfg. Co., 239 Mill  
 (Coke) .....AA  
**OHIO—Cleveland**  
 Bartlett & Snow Co., C. O.  
 (Ore; Rock) .....A  
 Kilby Mfg. Co. (Sugar  
 Cane) .....X  
 Wellman-Seaver-Morgan Co.  
 (Ore; Rock) .....AAAA  
**OHIO—Columbus**  
 Jeffrey Mfg. Co. (Coal;  
 Coke; Mining; Ore; Rock)  
 AAAA  
**OHIO—Dayton**  
 Raymond Co., C. W. (Clay)  
 A  
**OHIO—Galion**  
 Freese & Co., E. M. (Clay)  
 A  
**OHIO—Hillsboro**  
 Bell & Co., C. S. (Sugar  
 Cane; Corn; Cob).....A  
**OHIO—Springfield**  
 Foos Mfg. Co. (Cotton  
 Seed) .....A  
**OHIO—Tiffin**  
 National Machy Co. (Ore;  
 Rock; Stone) .....AA  
**OHIO—Wellsville**  
 Stevenson & Co. (Clay)...B  
**OHIO—Zanesville**  
 Griffith & Wedge Co.  
 (Rock; Stone) .....B  
**OREGON—Portland**  
 Hammond Mfg Co. (Rock;  
 Stone) .....X  
 Phoenix Iron Wks. (Rock;  
 Ore) .....D  
**PA.—Allegheny**  
 Carlin's Sons, Thos. (Rock;  
 Stone) .....A  
**PA.—Allentown**  
 Mosser & Son, Wm. F.  
 (Rotary) .....A  
**PA.—Bausman**  
 Bausman, David H. (Corn)  
 O  
**PA.—Birdsboro**  
 Diamond Drill & Machine  
 Co. (Rock; Stone; Ore)..A  
**PA.—Chambersburg**  
 Woods' Sons, T. B. (Corn;  
 Cob) .....A  
**PA.—Coatsville**  
 Ridgway & Son, Craig  
 (Corn; Cob) .....A  
**PA.—Danville**  
 Curry & Co. (Ore; Rock)..B  
**PA.—Kennett Square**  
 American Road Machine Co.  
 (Rock; Ore; Road)...AA  
 Good Roads Machy. Co.  
 (Rock; Ore) .....D  
**PA.—Lancaster**  
 Martin Brick Machine Mfg.  
 Co., Henry (Clay; Ore).B  
**PA.—Muncy**  
 Sprout-Waldron & Co. (Coal;  
 Rock; Ore; Corn).....A  
**PA.—Philadelphia**  
 Cresson Co., Geo. V., 18th  
 & Allegheny Av. (Rock;  
 Ore) .....AA  
 Enterprise Mfg. Co. (Ice)  
 AAAA  
 Harrison Safety Boiler Wks.

**CRUSHERS (Con.)**

(Ice) .....A  
**Latrobe Steel Co. (Ore;  
 Rock) .....AAAA**  
**Mills & Bros., Thos. (Ice)**  
 A  
**Morris, Henry G., Phila.**  
 Bourse (Sugar Cane)....B  
**Phila. Roll & Machine Co.**  
 (Rock; Stone).....A  
**Standard Steel Wks.**  
 (Mining) .....AAA  
**PA.—Pittsburg**  
 Fischer Fdry. & Mach. Co.  
 (Ore; Rock) .....AA  
 Garrison Fdry. Co., A.  
 (Ore; Rock) .....AAA  
 Hogg Iron & Steel Fdry. Co.,  
 Geo. A. (Olay; Rock)...A  
 Mesta Machine Co. (Rock;  
 Ore) .....AAAA  
 Phillips & McLaren, 24th &  
 Smallman (Rock; Ore;  
 Stone) .....B  
 United Engineering & Fdy.  
 Co. (Ore; Rock)...AAAA  
 Yagle Fdry. & Machine Co.,  
 400 32d (Rock; Ore)....O  
**PA.—Pittston**  
 Exeter Machine Wks. (Rock;  
 Ore) .....AA  
**PA.—Shamokin**  
 Mullen & Son, John (Coal)  
 AA  
**PA.—So. Bethlehem**  
 Bethlehem Fdry. & Machine  
 (Rock; Ore) .....O  
 Bethlehem Steel Co.  
 (Spindle) .....AAAA  
**PA.—Tatamy**  
 Messinger Mfg. Co. (Min-  
 ing) .....B  
**PA.—Tyrone**  
 Tyrone Fdry. & Machine Co.  
 (Stone; Rock; Ore)....X  
**PA.—Wilkesbarre**  
 Vulcan Iron Works (Coal;  
 Rock; Ore; Coke; Rock  
 Salt) .....AAAA  
**PA.—York**  
 Dempwolf & Co., C. H.  
 (Mining) .....A  
 Motter & Sons, Geo. F.  
 (Rock; Stone; Ore; Plas-  
 ter) .....O  
**TENN.—Chattanooga**  
 Chattanooga Plow Co. (Cot-  
 ton Seed) .....AA  
**VA.—Richmond**  
 Cardwell Machine Co. (Cot-  
 ton Seed) .....A  
**W. VA.—Fairmont**  
 Wagner-Palmore Mfg. Co.  
 (Coal) .....A  
**WIS.—Cudahy**  
 Power & Mining Machy. Co.  
 (Coal; Rock; Ore)...AAA  
**WIS.—Milwaukee**  
 Allis-Chalmers Co. (Ore;  
 Rock; Stone) .....AAAA  
**WIS.—Whitewater**  
 Merriam, I. Z. (Corn)....E

**CRUTCHES**

**MASS.—Boston**  
 Codman & Shurtleff.....O  
 Hersey Mfg. Co. ....AA  
**New York City**  
 Frees, C. A. ....X  
 Marks, A. A. ....AA  
 Pomeroy Co. ....B  
**N. Y.—Rochester**  
 Fuller, Geo. B. ....E  
**OHIO—Elyria**  
 Worthington Mfg. Co.....B  
**PA.—Philadelphia**  
 Hastings & McIntosh Truss  
 Co. ....B  
 Horn & Bro., Wm. H.....B  
 Philadelphia Truss & Band-  
 age Co. ....X  
 Seeley, Isaac B. ....F  
**PA.—Pittsburg**  
 Feick Bros. Co.....D



## CRYSTAL-LIZERS

**DEL.**—Wilmington  
Pusey & Jones Co. ....AAA  
**ILL.**—Chicago  
Wolf Co., F. W., 139 Rees  
AAA  
**LA.**—New Orleans  
Whitney Iron Wks. Co. ....AA  
**MD.**—Baltimore  
Bartlett, Hayward & Co.,  
Continental Trust Bldg.  
B  
**MASS.**—Boston  
Cochrane Chemical Co., 55  
Kilby (Tin) .....AA  
**N. Y.**—Brooklyn  
Pioneer Iron Wks., 151 Wil-  
liam .....A  
New York City  
Cornell Co., J. B. & J. M.,  
26th & 11th Av. ....AA  
Deeley & Co., Robt., 507  
W. 32d .....AA  
Turl's Sons, Jno., 536 W.  
28th .....D  
**OHIO.**—Cleveland  
Dyer & Co., E. H., New  
England Bldg. ....AAA  
**PA.**—Philadelphia  
Morris, Henry G., Phila.  
Bourse .....B

## CRYSTALS

See also Glasses; Watch.

**N. Y.**—Syracuse  
Solway Process Co. (Mono-  
hydrate; Snow Flake)  
AAAA

## CUES

**MASS.**—Worcester  
Blood, O. L. (Billiard) ..H  
New York City  
Brunswick - Balke - Collen-  
der Co. (Billiard) ..AAAA  
Grote & Co., F., E. 14th  
(Billiard) .....B  
Kaldenberg Importing &  
Trading Co. (Billiard) ..D  
Shardlow, Joseph (Billiard)  
D

**OHIO.**—Toledo  
Toledo Billiard Ball Co.  
(Billiard) .....D

## CUFFS

See Collars & Cuffs

## CULLERS

**MASS.**—Worcester  
Hamblin & Russell Mfg.  
Co. (Wire Strawberry) ..B  
**OHIO.**—Maria Stein  
Maria Stein Machine Works  
(Flue) .....D

## CULVERTS

**IND.**—Winamac  
Winamac Bridge Co. ....G  
**MICH.**—St. Johns  
St. Johns Iron Works ....E

## CULTIVATORS

See Agr. Implements

## CUPBOARDS

See also Furniture

**IND.**—Indianapolis  
Madden Son & Co., Thos. ..A  
**MO.**—Kansas City  
Abernathy Furniture Co. ....AA  
**MO.**—St. Louis  
Scarritt-Comstock Furniture  
Co. ....A  
**OHIO.**—Defiance  
Gelger Furniture Co. ....B  
**WIS.**—Sheboygan  
Mattoon Mfg. Co. ....A

## CUPOLOS

**ALA.**—Birmingham  
Means & Fulton Iron Wks.  
(Foundry) .....X  
**CONN.**—New Haven  
Bigelow Co., 435 Guoin  
(Foundry) .....B  
**ILL.**—Harvey  
Whiting Fdry. Equipment  
Co. (Foundry) .....AA  
**MASS.**—Worcester  
Stewart & Son, C. (Foundry)  
B  
**MICH.**—Detroit  
Byram & Co. (Foundry) ..D  
Northern Engineering Wks.  
(Foundry) .....A  
**OHIO.**—Cincinnati  
Hill & Griffith Co. ....D  
**OHIO.**—Cleveland  
Smith Fdry. Supply Co., J.  
D., 40 S. Water (Foundry)  
D  
**OHIO.**—Lowellville  
Meehan Boiler & Construc-  
tion Co. ....B  
**OHIO.**—Portsmouth  
Portsmouth Harbinson-  
Walker Co. ....AAAA  
**OHIO.**—Youngstown  
Pollock Co., Wm. B. ....AA  
**PA.**—Allegheny  
Carlin's Sons Co., Thos. ....A  
**PA.**—Lebanon  
Union Boiler & Mfg. Co.  
(Foundry) .....B  
**PA.**—Philadelphia  
Etting, Edw. J., Land Title  
Bldg. (Foundry) .....B  
Hibbs, E. A., 209 Quarry  
(Foundry) .....B  
Paxson Co., J. W., 1021 N.  
Delaware Av. (Foundry)  
AA  
Sellers & Co., Wm. (Inc.),  
1600 Hamilton (Foundry)  
AAAA  
**PA.**—Pittsburg  
Carroll-Porter Boiler & Tank  
Co., Empire Bldg. (Found-  
ry) .....B  
McCormack Co., J. S., 25th  
& A. V. Ry. (Foundry) ..B  
Munroe & Son, R. ....AA  
Riter-Conley Mfg. Co. ....AA  
**PA.**—Pottstown  
Sotter Bros. (Foundry) ....B  
**PA.**—Washington  
Petroleum Iron Works Co.  
(Foundry; Calcining) ..A  
**TENN.**—Chattanooga  
Casey & Hedges Mfg. Co.  
(Foundry) .....A

## CUPS

See also Otilers; Aluminium  
Ware; Chinaware; Glass-  
ware; Silverware; Tin-  
ware.

**CONN.**—Bridgeport  
Belknap Mfg. Co. (Oil) ...G  
**CONN.**—Hartford  
Hartford Machine Screw Co.  
(Bicycle) .....AAAA  
Tucker, W. W. & C. F.  
(Self-Closing Rotary) ...F  
**CONN.**—Meriden  
Manning, Bowman & Co.  
(Drinking; Enamelled) AA  
Meriden Britannia Co.  
(Collapsible) .....AAAA  
Wilcox Silver Plate Co.  
(Drinking) .....AAAA  
**CONN.**—New Haven  
Harrison, Leonard D.  
(Elevator) .....H  
Peck Bros. & Co. (Oil) ..AA  
**CONN.**—Wallingford  
Wallace & Sons Mfg. Co.,  
R. (Collapsible) ...AAAA  
**CONN.**—Waterbury  
Novelty Mfg. Co. (Collapsi-  
ble) .....A  
Scovill Mfg. Co. (Aluminum;  
Pocket) .....AAAA  
**ILL.**—Chicago  
Allen Mfg. Co., W. D., 151

**OUPS (Con.)**  
 Lake (Oil; Grease) ....A  
 Bealy & Co., Chas. H. (Oil; Grease) .....AAA  
 Chicago Screw Co. (Bicycle) .....AAA  
 Crane Co. (Brass; Copper; Oil; Grease) .....AAAA  
 Walker & Ehrman Mfg. Co. (Bicycle) .....A  
 Western Leather Mfg. Co. (Dice) .....D  
**ILL.—Elgin**  
 Moseley Lathe Co. (Bicycle Oil) .....D  
**ILL.—Lemont**  
 Illinois Pure Aluminum Co. (Aluminum) .....X  
**ILL.—Waukegan**  
 Thomas Brass & Iron Co. (Oil; Grease) .....A  
**IND.—Indianapolis**  
 Nordyke & Marmon Co. (Elevator) .....AAA  
**MASS.—Andover**  
 Tyler Rubber Co. (Cupping) .....AA  
**MASS.—Boston**  
 Crosby Steam Gauge & Valve Co., 97 Oliver (Oil; Grease) .....AA  
 New England Pottery Co. (Porous) .....O  
 Selbert Cylinder Oil Cup Co., 53 Oliver (Oil; Grease) ..F  
 Star Brass Mfg. Co. (Oil) ..A  
 Walworth Mfg. Co. (Oil; Grease) .....AAAA  
**MASS.—Chelsea**  
 Low Tile Co. (Sponge) ..F  
**MASS.—Whitinsville**  
 Whitinsville Spinning Ring Co. (Travelers') .....AA  
**MASS.—Worcester**  
 Bay State Stamping Co. (Oil; Grease; Self-Closing) .....E  
**MICH.—Detroit**  
 American Injector Co., Congress & Brooklyn Av. (Brass; Oil Grease) ....D  
 Detroit Lubricator Co., Hedges Bldg. (Oil; Grease; Glass; Oil) ....X  
 Detroit Shipbuilding Co. (Brass; Oil; Grease) ....AAAA  
 Essex Brass Co., G. B. (Oil; Grease) .....O  
 Globe Brass Wks., 13 Maccomb (Oil; Grease) ....D  
 Michigan Lubricator Co., 663 Beaubien (Oil; Grease) .....A  
 Penberthy Injector Co., 346 Holden Av. (Oil; Grease) .....A  
**MICH.—Port Huron**  
 Lee Mfg. Co. (Oil; Grease) .....B  
**MICH.—Saginaw**  
 Koehler Bros. (Grease) ..E  
**MINN.—Minneapolis**  
 Stahl-Salter Lubricating Co., 963 17th Av. (Oil; Grease) .....X  
**MO.—St. Louis**  
 Cahill-Swift Mfg. Co. (Oil) .....B  
 Ruppenthal & Son, J., 1602 B'way (Grease) .....F  
 St. Louis Stamping Co. (Drinking) .....AAAA  
**N. J.—High Bridge**  
 Taylor Iron & Steel Co. (Elevator) .....AAAA  
**N. J.—Newark**  
 Bernz, Otto, S. 13th, cor. S. Orange Av. (Plumbers' Soil) .....B  
 Sacks Iron Fdry., Louis (Shoemakers' Nail) ....A  
**N. J.—New Brunswick**  
 Consolidated Fruit Jar Co. (Oil; Grease) .....AA  
**N. Y.—Auburn**  
 Bowen Mfg. Co. (Oil; Grease) .....B  
**N. Y.—Brooklyn**  
 Acton, Jno., 118 John (Oil;

**OUPS (Con.)**  
 Grease) .....D  
 Miller Co., Wm. P. (Grease) .....D  
 Schaffer & Budenberg (Compression Grease) .....D  
 Sweeney Mfg. Co., W. H. (Drinking; Tin) .....A  
**N. Y.—Buffalo**  
 Crosby Co. (Ball Bearing) .....A  
 Shepard & Co., Sidney (Aluminum; Enamelled Marking; Measuring) .....AAAA  
 Serwood Mfg. Co., 34 Washington (Oil; Grease; Compression Grease) .....B  
**N. Y.—Elmira**  
 Swift Lubricator Co. (Glass; Brass Oil; Compression Grease) .....B  
**N. Y.—Geneva**  
 Chapman, C. A. (Measuring) .....E  
**New York City**  
 Ashcroft Mfg. Co. (Oil) ...A  
 Central Stamping Co. (Marking; Measuring; Muffin; Split) .....AA  
 Cooks, Adams Sons Co., 313 West (Oil; Grease) ....A  
 Eaton, Cole & Burnham Co., 253 B'way (Oil; Grease) ..AAAA  
 Edison Phonograph Agency (Porous) .....D  
 Estes & Sons, E. B. (Pin) .....AA  
 Goodyear Rubber Co. (Cupping) .....AAAA  
 Goodyear's Ind. Rub. Glove Mfg. Co. (Dice; Cupping; Pin) .....AAAA  
 Gordon Battery Co. (Porous) .....D  
 Hall Mfg. Co., R. H., 40 Cortland (Oil; Grease) ..G  
 International Silver Co. (Silver Plated; Shaving; Children's) .....AAAA  
 Judd & Co., H. L. (Sponge) .....AA  
 Lalance & Grosjean Mfg. Co. (Drinking; Enamelled) ...AAAA  
 Mace & Co., L. H. (Soap) ..B  
 McNab & Harlin Mfg. Co., 56 John (Oil; Grease) ....AAA  
 Montrose, Norman E. (Palette) .....F  
 Nathan Mfg. Co., 92 Liberty (Brass Oil; Grease) ....A  
 Pedrick & Ayer Co. (Oil) ..A  
 Reilly Bros. (Painters'; Palette) .....D  
 Reilly Repair & Supply Co., James, 229 West (Oil; Grease) .....AA  
 Robins Conveying Belt Co. (Grease) .....A  
 Schieren & Co., Chas. A., 45 Ferry (Leather) .....AAAA  
 Stoutenborough, X. (Marking; Measuring; Muffin; Split; Tin) .....D  
**N. Y.—Ogdensburg**  
 Nash Bros. & Co. (Spring Compression Grease) ....A  
**N. Y.—Rochester**  
 Nunn Bros. Wks. (Inc.) (Oil; Grease) .....F  
**N. Y.—Troy**  
 Troy Stamping Co. (Drinking; Tin Army) .....AAAA  
**N. Y.—Wolcott**  
 Curtis, O. M. (Bleachers) .....X  
**OHIO—Cincinnati**  
 Bourbon Copper & Brass Wks. (Oil) .....A  
 Lunkenheimer Co., cor. Beekman & Waverly (Oil; Grease; Glass Oil) .....AA  
 Powell Co., Wm., 2525 Spring Grove Av. (Oil; Grease) .....A  
 Queen City Brass & Iron Wks. (Brass; Oil; Grease)

**CUPS (Con.)**

**Tatum Co., Samuel C.** B  
(Sponge) ..... B  
**OHIO—Cleveland**  
Farnan Brass Wks., 25 Center (Brass Oil) ..... A  
Federal Mfg. Co. (Ball Bearing) ..... AAAA  
Forest City Brass Wks., 90 Merwin (Brass Oil; Grease) ..... B  
**OHIO—Dayton**  
Buckeye Iron & Brass Wks. (Oil; Grease) ..... AA  
Dayton Malleable Iron Co. (Drinking) ..... AAA  
**OHIO—Elyria**  
Western Automatic Mach. Screw Co. (Bicycle) ... AA  
**OHIO—Mansfield**  
Ohio Brass Co. (Brass; Glass Oil; Grease) ..... AA  
**OHIO—Salem**  
Clark Co., W. J. (Elevator) A  
**OHIO—Sidney**  
Wagner Mfg. Co. (Aluminum) ..... A  
**OHIO—Springfield**  
Nolte Brass Co. (Plain Brass Oil) ..... D  
Springfield Brass Co. (Brass Oil; Grease) ..... E  
**PA.—Beaver Falls**  
Co-Operative Flint Glass Co. (Sponge) ..... A  
**PA.—Erie**  
Griswold Mfg. Co. (Aluminum) ..... A  
Jarecki Mfg. Co. (Oil; Grease) ..... AAAA  
Keystone Brass Co., 1017 Peach (Oil; Grease) ... D  
Reed Mfg. Co. (Oil; Grease) A  
**Sims Co. (Crank Pin Oil) ... D**  
**PA.—Philadelphia**  
Belfield & Co., 435 N. Broad (Oil; Grease) ... AA  
Eynon-Evans Mfg. Co., 1519 Clearfield (Railroad Oil) A  
**France Packing Co. (Inc.),** 6512 State Road (Oil; Grease) ..... B  
**Lonergan & Co., J. E. (Oil)** AA  
**PA.—Pittsburg**  
Cadman Mfg. Co., A. W. (Oil) ..... C  
**Kelly & Jones Co., 135** Water (Oil; Grease) ... AA  
**PA.—Williamsport**  
Darling Pump & Mfg. Co. (Oil) ..... B  
**R. I.—Providence**  
Wall & Co., A. T. (Aluminum; Drinking) ..... C  
**WIS.—Milwaukee**  
Chain Belt Co. (Elevator) D  
Delaney Oil & Lubricating Co. (Grease) ..... X  
Wadham's Oil Co., National Av. (Grease) ..... A

**CURASOA**

See Cordials

**CURBING**

**CONN.—Middletown**  
Douglas, W. & B. (Well) . A  
**IND.—Goshen**  
I. X. L. & Goshen Pump Co. (Well) ..... B  
**PA.—Philadelphia**  
Blatchley, Chas. G. (Well) B  
**PA.—Warren**  
Red Star Brick Co. (Sidewalk) ..... C  
**VT.—Fair Haven**  
Scotch Hill Slate Co. (Slate) ..... D  
**W. VA.—Wheeling**  
Wheeling Corrugating Co. (Steel) ..... AAAA

**CURBS**

**CONN.—Bristol**  
Barrett, Wm. L. (Pump) . D  
**CONN.—Stamford**  
Foster, E. H. (Well) .... D  
**MO.—St. Joseph**  
St. Joseph Pump & Mfg. Co. (Pump) ..... B  
**N. Y.—Dansville**  
Hubbard, H. E. (Well) ... G  
**N. Y.—Lockport**  
American District Steam Co. (Valve; Cast Iron) .. AAA

**CURDS**

**ILL.—Elgin**  
Cornell Bros. (Dry) ..... B

**CURLERS**

**CONN.—Bridgeport**  
Gagnor & Mitchell Mfg. Co. (Hair) ..... C  
**R. I.—Pawtucket**  
Luther & Co., C. A. (Hair) O  
**R. I.—Providence**  
Stayner & Co., T. B. (Hair) E

**CURRENCY**

**New York City**  
American Bank Note Co. (Paper) ..... AAAA

**CURTAINS**

See also Shades

**CONN.—Bridgeport**  
Cylindrograph Embroidery Co. (Embroidered) .... B  
Trolley Vestibule Shade Co. (Car) ..... F  
**CONN.—South Manchester**  
Cheney Bros. (Silk) ..... AAAA  
**CONN.—Tariffville**  
Tariffville Lace Mfg. Co. . B  
**ILL.—Chicago**  
Adams & Westlake Co. (Car) ..... AAAA  
Curtain Supply Co., 87 Ohio (Car) ..... AA  
Forsyth Bros. Co., 50 S. Canal (Car) ..... E  
**ILL.—Zion City**  
Zion Lace Industries (Lace) ' AAA  
**MAINE—Portland**  
Burrows Co., E. T. (Berth; Car; Carriage) ..... AA  
**MASS.—West Newton**  
Martin Mfg. Co. .... D  
**N. J.—Camden**  
Loeb & Schoenfeld Co. (Lace) ..... AAAA  
**N. J.—Paterson**  
Fulton, Smith & Co. (Silk Tapestry) ..... F  
**New York City**  
Asbestos Felting Wks., 79 Maiden Lane (Asbestos Theatre) ..... D  
Boyle & Co., John, 203 Fulton (Car) ..... AA  
Creighton & Burch (Lace; Com.) ..... AA  
Empire Rubber Co., 115 Worth (Rubber; Bath) ... D  
Goodyear Ind. Rub. Glove Mfg. Co., 503 B'way (Rubber; Bath) ..... AAAA  
Greer & Hutton (Mfrs.' Agts.) ..... D  
Goodyear Rubber Co., 787 B'way (Rubber; Bath) ... AAAA  
Hodgeman Rubber Co., 593 B'way (Rubber; Bath) ... AA  
Johns-Manville Co., H. W. (Asbestos Theatre) AAAA  
Pantosote Leather Co., 11 B'way (Car) ..... AA  
Ryan & McGahan (Mfrs.' Agt. Lace; Tapestry) .. D  
Schwab & Co., S. M., Jr.

**CURTAINS (Con.)**  
 (Embroidered) .....A  
 Sloan, W. & J. (Inc.) (Silk) .....AAAA  
 Whitman & Co., Clarence  
 (Com. Lace) .....AA  
 Wilson Mfg. Co., Jas., 8  
 W. 29th (Steel Rolling).A  
**N. Y.—Patchogue**  
 Patchogue Mfg. Co. (Lace)  
 A  
**OHIO—Cleveland**  
 Federal Mfg. Co. (Car)...  
 AAAAA  
**OHIO—Lockland**  
 Carey Mfg. Co., Philip (As-  
 bestos Theatre) .....AAA  
**PA.—Ambler**  
 Keasbey & Mattison Co.  
 (Asbestos Theatre) .....  
 AAAAA  
**PA.—Cheltenham**  
 Pike, E. V. (Chenille)...D  
**PA.—Chester**  
 Birkin & Co., T. I. (Lace)  
 B  
**PA.—Columbia**  
 Columbia Lace Mfg. Co.  
 (Lace) .....A  
**PA.—Eden**  
 Eden Mfg. Co. (Silk) ....C  
**PA.—Erie**  
 Watson Co., H. F. (Asbes-  
 tos Theatre) .....AAA  
**PA.—Philadelphia**  
 Amure Tapestry Mill (Tap-  
 estry) .....E  
 Barber & Co., J. W. (Up-  
 holstery) .....C  
 Barlow, Noah, 53rd & West-  
 minster Av. (Tapestry).D  
 Binder & Ellis, 6th & Alle-  
 gheny Av. (Upholstery).C  
 Bromley, Jos. H. (Lace)..  
 AAAAA  
 Bromley Mfg. Co. (Chenille;  
 Lace) .....AAAA  
 Brooks & Son Co., Geo.  
 (Tapestry; Berth; Che-  
 nille) .....B  
 Bruner, Francis A., Unity  
 & Lelper (Tapestry) ...D  
 Derk & Co., Joseph (Tapes-  
 try) .....D  
 Falk & Co., O. N. (Tapes-  
 try) .....E  
 Godshalk Co., E. H. (Che-  
 nille; Lace; Tapestry) ..B  
 Grange, Wm. G., Ktn. &  
 Ontario (Silk; Tapestry) C  
 Hale & Kilburn Mfg. Co.  
 (Car) .....AAAA  
 Herbst, Jacob, 2149 N. War-  
 nock (Silk; Tapestry)...D  
 Holdsworth & Arthur (Tap-  
 estry) .....D  
 Hoyle, Harrison & Kaye  
 (Tapestry; Chenille).AAA  
 Lewis, Robert, Richmond &  
 Brill (Car) .....C  
 Mawley, J. V. (Portieres).D  
 Meehan-Mothes Co. (Tapes-  
 try) .....A  
 Moss Rose Mfg. Co., Alle-  
 gheny Av. & Hancock  
 (Tapestry) .....A  
 Newton, Herbert B., Ktn.  
 Av. & Venango (Tapes-  
 try) .....D  
 Orinoka Mills (Tapestry).A  
 Philadelphia Tapestry Mills,  
 Allegheny & Front (Tap-  
 estry) .....AAA  
 Pollitz, Kaufman & Co.,  
 1716 N. 5th (Lace) ....C  
 Regar & Oughton (Silk;  
 Cotton) .....C  
 Ritchie Co., Robt. J. & R.  
 (Tapestry) .....D  
 Schwehm & Sons, J. M.  
 (Tapestry; Silk; Turco-  
 man) .....AA  
 Smith & Son, W. T. (Lace;  
 Chenille) .....AA  
 Stead, Miller & Co. (Tapes-  
 try; Chenille; Silk) ...AA  
 Stroud, David H. (Chenille)  
 A

**CURTAINS (Con.)**  
 Vigilant Mills (Silk Tapes-  
 try) .....C  
**PA.—Scranton**  
 Scranton Lace Curtain Co.  
 (Nottingham Lace) ....A  
**PA.—Wilkesbarre**  
 Wilkesbarre Lace Mfg. Co.  
 (Lace) .....AAA  
 Wyoming Valley Lace Mills  
 (Lace) .....A  
**R. I.—Bristol**  
 National India Rubber Co.  
 (Rubber Bath) .....AAAA  
**CURVES**  
**MINN.—Minneapolis**  
 Peteler Portable Railway  
 Mfg. Co. (Portable; Rail-  
 way) .....C  
**N. J.—Hoboken**  
 New York Switch & Cross-  
 ing Co. (Portable; Rail-  
 way) .....A  
**New York City**  
 Stoltmann, E. G., 125 E.  
 42d (Railroad) .....B  
**CUSHIONS**  
**CONN.—New Haven**  
 Seamless Rubber Co. (Air;  
 Rubber) .....AA  
**CONN.—Saugatuck**  
 Wakeman, Rufus (Hall;  
 Church; Chair; Yacht)...O  
**GA.—Atlanta**  
 Southern Spring Bed Co....C  
**ILL.—Chicago**  
 Emmerich & Co., Chas.  
 (Art Down) .....A  
 Sanitary Feather Co.  
 (Down) .....C  
 Smith & Co., David A.  
 (Carriage) .....D  
**ILL.—Lincoln**  
 Fisher & Co., Chas. A....D  
**MD.—Baltimore**  
 Larrimore Buggy Top Co.  
 (Carriage; Wagon) ....G  
 Perfection Mattress Co....C  
**MD.—Hagerstown**  
 Hagerstown Mattress Co..C  
**MASS.—Andover**  
 Tyer Rubber Co. (Rubber;  
 Air; Invalid; Carriage)...  
 AA  
**MASS.—Boston**  
 Bailey & Co., C. J. (Rub-  
 ber Heel) .....B  
 Bent & Co., Geo. W. (Boat;  
 Chair; Church) .....B  
 Boston Belting Co. (Bill-  
 iard) .....AAAA  
 Davidson Rubber Co. (Rub-  
 ber; Air) .....A  
 Paine Furniture Co. ....A  
 Standard Wire Mattress Co.  
 D  
 Wheeler & Co., A. W....C  
**MASS.—So. Framingham**  
 Avery, F. F. (Chair;  
 Church) .....E  
**MASS.—Worcester**  
 Griffin, John J. (Estate of)  
 O  
 Wire Goods Co. (Steel  
 Wire) .....A  
 Wright Wire Co. (Wire).AA  
**MINN.—Minneapolis**  
 Kilgore Machine Co. (Air;  
 Saw-Mill; Carriage)...D  
**MINN.—St. Paul**  
 Union Mattress Co. ....C  
**MO.—St. Louis**  
 Beck & Corbitt Iron Co.  
 (Carriage; Wagon) ...AA  
**N. J.—Bloomfield**  
 Combination Rubber Mfg.  
 Co. (Billiard) .....B  
**N. J.—Jersey City**  
 New Jersey Car Spring &  
 Rubber Co. (Billiard).AA  
**N. J.—Trenton**  
 Bloom & Godley .....A  
 Trenton Rubber Mfg. Co.  
 (Billiard) .....A  
**N. Y.—Brooklyn**  
 Brass Goods Mfg. Co. (Pin)  
 B

**CUSHIONS (Con.)**

**N. Y.—Cortland**  
 Newton & Son, W. H. (Carriage; Wagon) .....B  
**N. Y.—East Syracuse**  
 Benedict Mfg. Co., M. S. (Pin) .....AA  
**N. Y.—Jamestown**  
 Blystone, W. I. ....C  
**New York City**  
 Abercrombie & Fitch, 314 B'way (Air) .....B  
 Boyle & Co., John (Boat) ..AA  
 Brunswick - Balke - Collender Co. (Billiard).AAAA  
 Ellithorpe Safety Air Cushion Co. (Elevator Safety Air) .....D  
 Fogg, M. W. ....C  
 Goodyear Rubber Co. (Rubber Chair Leg; Air)AAAA  
 Goodyears' India Rubber Glove Mfg. Co. (Rubber; Billiard; Air) .....AAAA  
 Grote & Co., F. (Pin) ...D  
 Gutta Percha & Rubber Mfg. Co., 126 Duane (Billiard) .....AAAA  
 Hodgman Rubber Co. (Rubber Chair Leg; Air)....AA  
 McHugh, John F. (Boat; Wagon) .....C  
 Mattson Rubber Co. (Rubber; Air) .....B  
 New York Belting & Packing Co. (Billiard) ..AAA  
 New York Rubber Co. (Billiard) .....AA  
 Ostermoor & Co., 132 Bowery (Carriage; Wagon; Boat; Chair; Church)....A  
 Rehm & Co., 141 Fulton (Carriage; Wagon) .....D  
 Rogers & Co., Charles P..A  
 Sperry & Beale, 32 Union Sq. (Boat; Church) ...X  
**N. Y.—Rochester**  
 Wegman, Wm. J. (Church; Windaw) .....D  
**OHIO—Akron**  
 Akron Rubber Wks. (Goodrich Co., B. F.) (Billiard; Air) .....AAAA  
 Faultless Rubber Co. (Invalid Air) .....AA  
**OHIO—Cincinnati**  
 Maish & Co., Chas. A. (Cotton) .....B  
 Perkins-Campbell Co. (Carriage; Wagon) .....AA  
**OHIO—Toledo**  
 Kroh Co., C. Z. (Carriage) ..E  
**PA.—Harrisburg**  
 Hickok Mfg. Co., W. O. (Gold) .....AA  
**PA.—Philadelphia**  
 Dougherty & Co., H. L...C  
 Smith & Sons Co., Oscar (Church) .....C  
**R. I.—Providence**  
 Davol Rubber Co. (Rubber; Air) .....AA  
 Providence Stock Co. (Pin) ..D  
 Sweeney Co., Wm. ....D  
**W. VA.—Wheeling**  
 Wheeling Mattress Co. (Down) .....C  
**WIS.—Janesville**  
 Rock River Cotton Co. ...A  
**WIS.—Milwaukee**  
 Wergell, A. (Down) .....A  
**WIS.—Eacine**  
 Chicago Rubber Clothing Co. (Air) .....A  
 Racine General Mfg. Co. (Carriage) .....E

**CUSPIDORS**

**CONN.—Bridgeport**  
 Bridgeport Brass Co. (Brass; Self-righting) .....AAA  
**CONN.—Meriden**  
 Manning, Bowman & Co. (Brass; Enamelled; Nickleled; Tin) .....AAA  
 Meriden Britannia Co.

**CUSPIDORS (Con.)**

(Brass) .....AAAA  
**CONN.—Nagatuck**  
 Goodyear's Ind. Rub. Glove Mfg. Co. (Rubber).AAAA  
**ILL.—Chicago**  
 Clark & Co., A. C. (Fountain) .....A  
 Sturges & Burn Mfg. Co..A  
**ILL.—Lemont**  
 Illinois Pure Aluminum Co. (Aluminum) .....X  
**MD.—Baltimore**  
 Rosenbery Co., A. (Physicians; Dentists; Flushing) ..H  
**MASS.—Boston**  
 Boston Belting Co. (Rubber) .....AAAA  
**MICH.—Detroit**  
 Ireland & Matthews Mfg. Co. (Brass; Nickel; Self-Righting) .....A  
**MO.—St. Louis**  
 St. Louis Stamping Co. (Enamelled) .....AAAA  
**N. J.—Burlington**  
 Stewart & Peterson Co...A  
**N. J.—Trenton**  
 Trenton Potteries Co. (Sick-Bed) .....AAAA  
**N. Y.—Brooklyn**  
 Sweeney Mfg. Co., W. H. (Brass; Nickleled; Tin).A  
**N. Y.—Buffalo**  
 Aldrich Mfg. Co. (Brass).A  
 Shepard & Co., Sidney (Aluminum) .....AAAA  
**N. Y.—Horseheads**  
 Weller Hardware & Foundry Co. (Iron) .....D  
**N. Y.—Manlius**  
 Cheney & Son, S. ....A  
**New York City**  
 American Hard Rubber Co. (Rubber) .....AAAA  
 Cordley & Hayes (Fibre) ..A  
 Fiske Iron Works, J. W. (Brass) .....B  
 Goodyear Rubber Co. (Rubber) .....AAAA  
 Gould-Mersereau Co. (Brass) .....B  
 Hodgman Rubber Co. (Rubber) .....AA  
 Lalance & Grosjean Mfg. Co. (Enamelled).....AAAA  
 Manhattan Brass Co. (Brass) .....A  
 Manhattan Rubber Mfg. Co., 18 Vesey (Rubber)AA  
 Seabury & Johnson (Sanitary) .....AA  
 Stoutenborough, X. (Nickleled; Self-Righting) ...D  
**N. Y.—Rome**  
 Rome Mfg. Co. ....E  
**OHIO—Canton**  
 Canton Surgical & Dental Chair Co. (Fountain) ..C  
**OHIO—Cincinnati**  
 Haven Co., Jas. L. (Iron) B  
**OHIO—Sidney**  
 Wagner Mfg. Co. (Aluminum) .....A  
**OHIO—Zanesville**  
 Zanesville Art Pottery Co. (Pottery) .....B  
**PA.—Erie**  
 Griswold Mfg. Co. (Aluminum) .....A  
**PA.—Marietta**  
 Marietta Hollow Ware & Enamel Co. (Enamelled) B  
**PA.—Philadelphia**  
 Hall & Carpenter, 518 Race ..AA  
**PA.—Pittsburg**  
 Pittsburg Brass Mfg. Co. (Brass) .....D  
**PA.—So. Bethlehem**  
 Bethlehem Fdry. & Mach. Co. ....C  
**R. I.—Providence**  
 Wall & Co., A. T. (Aluminum) .....C

**CUTLERY**

See also Knives; Scissors; Razors, etc.

**CUTLERY (Con.)**

**571 CUTLERY.**  
**CONN.—Hotchkissville**  
 Amer. Shear & Knife Co.  
 (Pocket) .....A  
**CONN.—Lakeville**  
 Holley Mfg. Co. (Pocket) B  
**CONN.—Meriden**  
 Meriden Cutlery Co. (Table)  
 AA  
 Miller Bros. Cutlery Co.  
 (Pocket) .....A  
 Parker Co., Chas. (Table)  
 AAA  
**CONN.—Naubuc**  
 Williams Bros. Mfg. Co.  
 (Table) .....A  
**CONN.—New Britain**  
 Humason & Beckley Mfg.  
 Co. (Pocket) .....A  
 Landers, Frary & Clark  
 (Kitchen; Table) ....AAA  
**CONN.—Northfield**  
 Northfield Knife Co.  
 (Pocket) .....B  
**CONN.—Shelton**  
 Silver Plate Cutlery Co.  
 (Table) .....B  
**CONN.—Southington**  
 Southington Cutlery Co.  
 (Pocket) .....AA  
**CONN.—Thomaston**  
 Thomaston Knife Co.  
 (Pocket) .....F  
**CONN.—Wallingford**  
 Wallace Sons Mfg. Co., R.  
 (Kitchen; Table) .....AAAA  
**DEL.—Wilmington**  
 Walker & Elliot .....B  
**ILL.—Chicago**  
 American Cutlery Co. (Sil-  
 ver Plated; Table) ..AA  
**ILL.—Decatur**  
 Illinois Cutlery Co. (Min-  
 cing; Paring Knives) ...B  
**MASS.—Boston**  
 Gilmore Electric Co.  
 (Pocket) .....AA  
**MASS.—Greenfield**  
 Nichols Bros. (Table) ....C  
 Warner Mfg. Co. (Table) C  
**MASS.—Northampton**  
 Northampton Cutlery Co.  
 (Kitchen; Table) .....A  
**MASS.—Shelburne Falls**  
 Lamson & Goodnow Mfg. Co.  
 (Table) .....A  
**MASS.—Turners Falls**  
 Russell Cutlery Co., Jno.  
 (Pocket; Table) .....AA  
**N. H.—Antrim**  
 Goodell Co. (Table; Silver  
 Plated) .....A  
**N. H.—Bennington**  
 Kimball Co., C. J. (Kitchen)  
 B

**N. J.—Newark**  
 Bannister & Co., A. F.  
 (Pocket) .....A  
**N. Y.—Buffalo**  
 White Co., L. & I. J., Perry  
 & Columbia (Mincing  
 Knives) .....A  
**N. Y.—Elmira**  
 Cronk & Carrier Mfg. Co.  
 (Pocket) .....B  
**New York City**  
 Boker & Co., Herman, 101  
 Duane (Pocket) ....AAA  
 Chatillon & Sons, J., 85  
 Cliff (Pocket) .....A  
 Russell & Co., J. 37 Reade  
 (Mincing; Paring Knives)  
 AA  
 Silberstein, A. L., 459  
 B'way (Pocket) .....A  
 Wiebusch & Hilger (Pocket)  
 A  
**N. Y.—Rochester**  
 Robeson Cutlery Co.  
 (Pocket) .....A  
**OHIO—Canton**  
 Gibbs Mfg. Co. (Mincing  
 Knives) .....A  
**PA.—Titusville**  
 Schatt & Morgan Cutlery Co.  
 (Pocket) .....B

**CUT-OFFS**

**ILL.—Peoria**  
 Clark, Quilen & Morse (Rain  
 Water) .....A  
**LA.—New Orleans**  
 N. O. Roofing & Metal Wks.  
 (Cistern) .....B

**CUT-OFFS (Con.)**

**MINN.—Minneapolis**  
 Minn. Bedding Co. (Auto-  
 matic Loom) .....A  
**OHIO—Canton**  
 Berger Mfg. Co. (Rain  
 Water) .....AA  
 Canton Steel Roofing Co.  
 (Rain Water) .....A  
**OHIO—Cleveland**  
 Tarry Iron & Steel Co.  
 (Rain Water) .....A  
**OHIO—Lima**  
 Smith & Son, W. A. (Rain  
 Water) .....F  
**OHIO—Massillon**  
 Hess, Snyder & Co. (Rain  
 Water) .....AA  
**PA.—Philadelphia**  
 Berger Bros., 231 Arch  
 (Rain Water) .....A

**CUT-OUTS**

**CONN.—Bridgeport**  
 Bryant Electric Co. ....A  
 Perkins Electric Switch Mfg.  
 Co. (Electric) .....A  
**CONN.—New Britain**  
 Brady, L. H. (Electric) .B  
**IND.—Fort Wayne**  
 Fort Wayne Electric Works  
 (Electric) .....AAA  
**IOWA—Sioux City**  
 Electric Supply Co.  
 (Ceiling) .....E  
**MASS.—Boston**  
 Gilmore Electric Co. (Elec-  
 tric) .....A  
**MASS.—Brookline**  
 Holtzer, Cabot Electric Co.  
 (Electric) .....A  
**MO.—St. Louis**  
 Emerson Electric Mfg. Co.  
 (Electric) .....A  
 Wagner Electric Mfg. Co.,  
 (Electric) .....AA  
**New York City**  
 Jones & Son, J., 64 Cort-  
 landt (Electric) .....X  
**N. Y.—Syracuse**  
 Crouse-Hinds Electric Co.  
 (Electric) .....A  
 Pass & Seymour (Electric)  
 A  
**OHIO—Cincinnati**  
 Craghead Engineering Co.  
 (Electric) .....D  
**OHIO—East Liverpool**  
 Brunt Porcelain Wks.  
 (Electric) .....B  
**PA.—Philadelphia**  
 Patrick, Carter & Wilkins  
 (Electric) .....C

**CUTS**

**ILL.—Chicago**  
 Hawtin & Co., W. (Stock;  
 Lithographers') .....F  
**New York City**  
 Ringler Co., F. A. (Stock;  
 Lithographers') .....A  
 Schedler, Herman (Stock;  
 Lithographers') .....E

**CUTTERS**

See also Nippers; Agr.  
 Implements; Machinery.

**CONN.—Ansonia**  
 Cook Co., H. C. (Sewing  
 Thread) .....E  
**CONN.—Bridgeport**  
 American Tube & Stamping  
 Co. (Tube) .....AAAA  
 Armstrong Mfg. Co. (Pipe)  
 A  
 Bridgeport Hdw. Mfg. Co.  
 (Rod; Wire) .....B  
 Curtis & Curtis Co. (Pipe)  
 AA  
 Hubbell, Harvey (Round  
 Belt; Punch) .....O  
 Schwerdtle Stamp Co. (Let-  
 ter; Steel; Brass) .....F  
**CONN.—Bristol**  
 Barrett, W. L. (Glass Tube)  
 D  
**CONN.—Hartford**  
 Billings & Spencer Co. (Rod;  
 Wire; Cigar) .....AA  
 Dwight Slate Mach. Co.  
 (Milling; Pinion; Rock) B  
 Pratt & Whitney Co. (An-

# CUTTERS (Con.)

gular; Turret Bolt; Convex; Concave; Gang; Metal Slotting; Milling; Screw Slotting; Sprocket; Epicycloidal; Involute; Rack; Pipe; Tube; Reamer; Twist Drill)

AAAA

Sigourney Tool Co. (Milling) A

CONN.—Meriden

Bradley & Hubbard Mfg. Co. (Cigar Tip; Paper) AAAA

Kelsey Press Co. (Card) A

CONN.—New Britain

Landers, Frary & Clark (Meat; Slaw; Kraut) AAA

CONN.—New Haven

Barnes Tool Co. (Pipe; Moulding) B

Belden Machine Co. (Rod; Wire) D

Geometric Drill Co. (Milling) B

Hogson & Pettis Mfg. Co. (Hand; Pipe) A

Kilborn & Bishop Co., 81 Lloyd (Rod; Wire) C

Mersick & Co., C. S., 286 State (Iron Bar; Rod) A

New Haven Mfg. Co. (Bolt) AA

Schollhorn & Co., W. (Cigar) A

Shuster Co., F. B. (Automatic, for Metal; Strip Stock Straighteners; Spiral Mill; Sprue; Wire) X

CONN.—New London

Whiton Machine Co., D. E. (Milling) AAA

CONN.—Norwich

Rogers & Co., C. B. (Mouldings) AAAA

CONN.—Rockfall

Smith, Otis A. (Washer; Gasket) B

CONN.—Seymour

Swah Co., James (Plug) A

CONN.—Southington

Peck, Stow & Wilcox Co. (Hand; Tobacco; Meat; Sausage Meat; Vegetable; Slaw; Kraut) AAAA

CONN.—Tolland

Olough, R. M. (Angular; Convex; Concave; Milling; Gear; Screw Slotting) D

CONN.—Unionville

Monce, S. C. (Glass; Gauge Glass; Photo Print) D

CONN.—Williamantic

Vanderman Plumbing & Heating Co. (Lead Pipe) C

DEL.—Wilmington

Henderer's Sons, A. L. (Tube) B

Hillis & Jonen Co. (Sprue) AAAA

Pusey & Jonen Co. (Paper Stock) AAA

ILL.—Alton

Hapgood Plow Co. (Stalk) AA

ILL.—Aurora

Wilcox Mfg. Co. (Twine) B

ILL.—Batavia

Appleton Mfg. Co. (Ensilage; Fodder; Chaff; Hay; Straw) A

Challenge Wind Mill & Feed Mill Co. (Feed; Corn; Chaff; Ensilage; Fodder; Hay; Straw; Stalk) AAA

U. S. Wind Engine & Pump Co. (Chaff; Hay; Straw; Stalk) AA

ILL.—Belleville

Sucker State Drill Co. (Stalk) A

ILL.—Bradley

Bradley Mfg. Co., David (Cornstalk) AAA

ILL.—Canton

Parlin & Orendorff Co. (Feed; Stalk) AAAA

ILL.—Chicago

American Cutlery Co. (Fingernail) AA

Chicago Pneumatic Tool Co. Fischer Bldg. (Pneumatic; Flue; Stay Bolt) AAAA

Curtis & Co., Mfg. Co., 42 S. Canal (Combination Belt) C

# CUTTERS (Con.)

Keiso & Co., 209 S. Clinton (Kraut) E

Latham Machry. Co. (Card; Rotary Board; Round Corner) C

Lovejoy, T. H., 90 Ohio (Flue Hole) D

McCrea & Co., James, 67 W. Washington (Washer; Gasket) E

Mark Mfg. Co. (Pipe) AA

Murphy & Co., Christopher 204 Dearborn (Tube, rapid operated by hand or motor) B

Porter & Berg, 309 Dearborn (Sleet) D

Reiss Bros. & Co. (Cigar Butt) AA

Rosback, F. P. (Index) E

Rouse & Co., H. B., 61 Ward (Lead; Rule) G

Sutherland & Dow (Computing Cheese) D

ILL.—Downers Grove

Dicke Tool Co. (Gauge Glass) C

ILL.—Edwardsville

Bignall & Keeler Mfg. Co. (Pipe) B

ILL.—Freeport

Stover Mfg. Co. (Chaff; Hay; Straw) AA

ILL.—Harvey

Austin Mfg. Co., F. C. (Ensilage; Chaff; Fodder; Hay; Straw) AAA

ILL.—Marseilles

Marseilles Mfg. Co. (Steam; Horse Power Feed; Cornstalk; Chaff; Ensilage; Fodder) A

ILL.—Moline

Deere & Mansur Co. (Cornstalk) AAAA

Moline Plow Co. (Stalk) AAAA

ILL.—Paxton

Paxton's Hardware Mfg. Co. (Cake; Biscuit) X

ILL.—Peoria

Avery Mfg. Co. (Spiral Knife; Stalk) AAA

Selby, Starr & Co. (Stalk) X

ILL.—Peru

Peru Plow & Wheel Co. (Single; Double Row Stalk) AA

ILL.—Rockford

Barnes Co., W. F. & John (Moulding) AA

Ingersoll Milling Machine Co. (Milling) D

ILL.—Rock Island

Rock Island Plow Co. (Stalk) AAAA

ILL.—Sandwich

Sandwich Mfg. Co. (Corn; Cornstalk) Chaff; Fodder; Ensilage) AA

ILL.—Sterling

Keystone Co. (Chaff; Ensilage; Fodder; Hay; Corn; Straw) AA

Sterling Mfg. Co. (Chaff; Ensilage; Fodder; Straw; Hay; Stalk) A

IND.—Anderson

Computing Cheese Cutter Co. G.

Hoosier Cheese Cutter Co. (Computing Cheese) X

IND.—Aurora

Stamm Machine Wks. (Barrel Heading) C

IND.—Columbus

Reeves & Co. (Inc.) (Stalk) AAAA

IND.—Indianapolis

Atkins & Co., E. C. (Saw Gummer; Slaw; Kraut) AAAA

Nordyke & Marmon Co. (Corn) AAAA

Tucker & Dorsey Mfg. Co. (Slaw; Kraut; Vegetable; Smoked Beef) A

IND.—Richmond

Richmond City Mill Wks. (Corn) B

Wayne Works (Chaff; Hay; Straw) A

IND.—South Bend

Haberle & Graham (Open Die Head Bolt) D

**CUTTERS (Con.)**

**IOWA**—Burlington  
Murray Iron Wks. Co.  
(Meat) .....A  
**IOWA**—Dubuque  
Adams Co. (Steel; Tubular  
Sprue; Milling) .....A  
**IOWA**—Fort Madison  
Iowa Farming Tool Co.  
(Chaff) .....A  
**KANS.**—Enterprise  
Ehram Mach. Co., J. B.  
(Chaff) .....B  
**KY.**—Louisville  
Avery & Sons, B. F. (Spiral;  
Straight Knife; Stalk) .....AAA  
**MAINE**—Portland  
Hayes, Harrison (Tube) ..H  
**MD.**—Baltimore  
Adt Machine Wks., John B.  
(Tobacco) .....A  
Detrick & Harvey Mach.  
Co. (Bolt) .....AA  
Mergenthaler-Ott Co. (Inc.)  
cor. Claggett & Allen  
(Flue, for boilers) ....X  
Sinclair-Scott Co. (Chaff;  
Hay; Straw) .....B  
**MASS.**—Athol  
Athol Mach. Co. (Meat) ..B  
Gay & Ward (Angular; Con-  
vex; Concave; Gang; Mill-  
ing; Metal Slitting; Rack;  
Radial Duplex; Screw  
Slotting; Spiral Mill;  
Sprocket; T-slot; Tape;  
Reamer; Twist Drill;  
Worm Wheel) .....A  
Starrett Co., L. S. (Box-  
makers' Corner; Involute;  
Milling; Gear; Slotting;  
Sprocket Wheel) .....A  
**MASS.**—Boston  
Ames Plow Co. (Corn; En-  
silage; Chaff; Fodder;  
Hay; Straw; Vegetable;  
Root; Meat) .....AAAA  
Boston Gear Wks., 152 Pur-  
chase (Gear; Milling) ..B  
Chandler & Farquhar, 36  
Federal (Wire; Rod) ..B  
Evelet Tool Co. (Button  
Hole) .....X  
Faneuil Watch Tool Co.  
(Pinion; Watch Wheel) H  
Golding & Co. (Card; Paper)  
.....B  
Livermore, H. F., 81 Pearl  
(Pipe) .....B  
Lufkin, John W. (Button  
Hole) .....A  
Seelye Mfg. Co. (Die) ....C  
Sewing Machine Supply Co.  
(Buttonhole) .....B  
Trimont Mfg. Co. (Hand;  
Pipe) .....A  
Wadsworth, Howland &  
Co., 84 Washington (Fillet)  
.....A  
Walker & Pratt Mfg. Co.  
(Bread) .....AA  
Walworth Mfg. Co., 132  
Federal (Pipe; Lead Pipe)  
.....AAAA  
**MASS.**—Brookton  
Tuck Mfg. Co. (Sole  
Leather) .....B  
**MASS.**—Chicopee Falls  
Belcher & Taylor Agricul-  
tural Tool Co. (Chaff; En-  
silage; Fodder; Hay;  
Straw; Vegetable; Root)  
.....A  
**MASS.**—Everett  
Porter, H. K. (Wire) ...C  
**MASS.**—Fitchburg  
Putnam Machine Co. (Bolt;  
Epicycloidal; Involute;  
Rack; Paper Stock) ...A  
Simonds Mfg. Co. (Cork;  
Cloth; Leather; Paper)  
.....AAA  
**MASS.**—Greenfield  
Goodell-Pratt Co. (Glass) .B  
Reece Co., E. F. (Bolt) ...D  
Wells Bros. Co. (Bolt) ...A  
Wiley & Russell Mfg. Co.  
(Bolt) .....AA  
**MASS.**—Holyoke  
Holyoke Machine Co. (Paper  
Stock; Strop) .....AA  
**MASS.**—Hyde Park  
Becker, Brainard Milling  
Mach. Co. (Milling) AA

**CUTTERS (Con.)**

**MASS.**—Lawrence  
Horne & Sons Co., J. H.  
(Paper Stock) .....A  
**MASS.**—Lowell  
Dennis & Co., John (Plush)  
.....E  
Lowell Machine Shop  
(Stop) .....AAAA  
**MASS.**—Marlboro  
Parsons & Son, Henry (Knit  
Fabric) .....A  
**MASS.**—New Bedford  
Morse Twist Drill & Mach.  
Co. (Angular; Convex;  
Concave; Gang; Metal  
Slitting; Milling Side;  
Screw Slotting; Spiral  
Mill; Sprocket; Stay-Bolt;  
T-Slot) .....AAA  
**MASS.**—Northampton  
Herrick, Chas. E. (Epicy-  
cloidal; Involute) .....D  
**MASS.**—North Attleboro  
Coddling & Hellborn Co.  
(Cigar Tip) .....A  
**MASS.**—Orange  
Leavitt Machine Co. (Disk)  
.....D  
**MASS.**—Shelburne Falls  
Mayhew Co., H. H. (Glass)  
.....D  
**MASS.**—Springfield  
Bradley Co., Milton (Card)  
.....A  
Bullock Mfg. Co., O. W., 172  
Dwight (Pinion; Glass;  
Watch Wheel) .....A  
**MASS.**—Watertown  
Waterproof Paint Co.  
(Fillet) .....B  
**MASS.**—Worcester  
Blaisdell & Co., P. (Gear;  
Milling) .....A  
Boynton & Plummer (Hand;  
Power, Bolt) .....B  
Burlingame, A. (Sole  
Leather) .....D  
Coates Clipper Mfg. Co.  
(Fingernail) .....D  
Curtis & Marble Mach. Co.  
(Flock; Ray; Paper Stock)  
.....A  
Rice, Barton & Fales Mach.  
& Iron Co. (Paper Stock)  
.....AA  
Wire Goods Co. (Fingernail;  
Nail) .....A  
**MICH.**—Albion  
Gale Mfg. Co. (Stalk) AA  
**MICH.**—Battle Creek  
Advance Thresher Co.  
(Chaff) .....AAAA  
Amer. Steam Pump Co.  
(Solid Steel Moulding)  
.....AAA  
**MICH.**—Detroit  
McRae & Roberts Co. (Glass  
Tube; Gauge Glass) ..A  
Metal Novelty Co. (Compu-  
ting Cheese) .....O  
Northern Engineering Wks.  
(Sprue, for brass fdry.) A  
**MICH.**—Grand Rapids  
Baldwin, Tuthill & Bolton  
(Tap) .....B  
Fox Mach. Co. (Pipe; Tube)  
.....A  
**MICH.**—Jackson  
Aspinwall Mfg. Co.  
(Vegetable) .....B  
Withington & Cooley Mfg.  
Co. (Corn; Thistle) ..AA  
**MICH.**—Lansing  
Clark & Co. (Vehicle) ....B  
**MICH.**—Monroe  
Wilder Strong Impl. Co.  
(Chaff) .....O  
**MICH.**—Muskegon  
Morton Mfg. Co. (Key-Way)  
.....B  
**MICH.**—Tecumseh  
Brewer & Co., H. (Brick;  
Drain Tile) .....B  
**MICH.**—Three Rivers  
Sheffield Car Co. (Track  
Weed) .....AA  
**MINN.**—St. Paul  
Helwig Mfg. Co. (Bolt) D  
**MINN.**—St. Joseph  
Saint Joseph Plow Co. (Sin-  
gle; Double Row Stalk) A  
**MO.**—Kansas City  
Russell Hdw. & Implement  
Mfg. Co. (Wire) .....X



# CUTTERS (Con.)

MO.—St. Louis  
 American Roll Paper Co. (Roll Paper) .....B  
 Brecht Butchers' Supply Co., Gus. V. (Back Fat; Meat) .....AAA  
 Ludlow-Saylor Wire Co. (Paper) .....AA  
 Sawyer Paper Co., F. O. (Roll Paper) .....X  
 Standard Railway Equipment Co., Union Trust Bldg. (Pneumatic Casting) .....G  
 Swain Co., F. J., 930 N. Main (Milling) .....B  
 Universal Cutter Co., 4565 Scott Av. (Knit Fabric) E  
 Whitman Agricultural Co. (Chaff; Ensilage; Fodder; Hay; Straw) .....AA  
 Zeluckner Supply Co., Walter A., 408 N. 4th (Continuous or Spine) .....X  
 NEBR.—Hastings  
 Rose, J. A. (Washer; Gasket) .....X  
 N. H.—Antrim  
 Goodell Co. (Chaff; Vegetable) .....A  
 N. H.—Concord  
 Ford & Co., Wm. P. (Chaff; Ensilage; Fodder) .....B  
 N. J.—Elizabeth  
 Braunsdorf - Mueller Co. (Lace; Leather; Rod; Wire) .....D  
 N. J.—Gloucester  
 Rogers Boat, Gauge & Drill Wks., Jno. M. (Milling) A  
 N. J.—Newark  
 Bernz, Otto, S. 13th n. S. Orange Av. (Lead Pipe; Washer; Gasket; Registering &c.) .....B  
 Celluloid Co. (Paper) .....B  
 Durand & Co. (Die) .....AA  
 Gould & Eberhardt, 95 N. J. R. R. Av. (Gang; Milling; Radial Duplex; Rack; Epicycloidal; Involute) A  
 Heinisch Sons Co., R. (Button Hole) .....A  
 Johnson, Wm., 240 Plane (Washer; Gasket) .....D  
 Kraeuter & Co., 577 18th Av. (Washer; Gasket; Button Hole) .....X  
 Natl. Saw Co. (Cork; Cloth; Leather; Paper; Slaw; Krant) .....B  
 Ohl & Co., G. A. (Bar) .....B  
 Osborne & Co., C. S. (Champagne; Washer) .B  
 Smith Mfg. Co., A. P. (Cast Iron Pipe) .....B  
 Williamson Wire Novelty Co., C. T. (Champagne) B  
 N. J.—Paterson  
 Royle & Sons, John (Automatic Peg; Lac Hole) .A  
 N. J.—Riegelsville  
 Taylor, Stiles & Co. (Glue Stock; Moulding; Paper Stock; Rag; Shaper) .A  
 N. J.—Smithville  
 Smith Mach. Co., H. B. (Moulding) .....A  
 N. J.—Trenton  
 MacKenzie Sons Co., Duncan (Meat) .....A  
 N. Y.—Amsterdam  
 Inman Mfg. Co. (Boxmakers' Corner) .....A  
 N. Y.—Auburn  
 Osborne & Co., D. M. (Stalk) AAAA  
 N. Y.—Brooklyn  
 Bliss Co., E. W., 19 Adams (Sprue; Card; Boxmakers' Corner; Solder) .....AAAA  
 Oldham & Sons, Joshua (Inc.) 26th (Moulding) D  
 Williams & Co., J. H. (Pipe; Tube) .....AA  
 N. Y.—Buffalo  
 Buffalo Forge Co. (Metal Bar; Axle) .....AAAA  
 Eastman Machine Co., 45 N. Division (Cloth) .....B  
 Holmes Mch'ry. Co., E. & B. (Lock) .....B  
 Howard Iron Wks. (Bolt; Paper) .....A  
 Niagara Mach. & Tool Wks.

# CUTTERS (Con.)

(Gang; Metal Slitting; Rod; Wire; Bar) .....A  
 Oliver Mfg. Co., W. W., 1483 Niagara (Jewelers'; Rod; Wire) .....C  
 Shepard & Co., Sidney (Cake; Biscuit) .....AAAA  
 Smith's Sons, John E. (Meat; Sausage Meat; Kraut; Core) .....B  
 White Co., L. & I. J. (Moulding) .....A  
 N. Y.—Cchoes  
 Beattie & Son, Wm. (Rib) D  
 Kennedy, Thos. (Knit Fabric) .....E  
 N. Y.—Cortland  
 Kestor & Wells (Vehicle) C  
 N. Y.—Fulton  
 Dilts Machine Wks. (Automatic Ream; Rag) ....B  
 N. Y.—Gowanda  
 Gowanda Agr'l. Wks. Co. (Hand Feed) .....X  
 N. Y.—Greenwich  
 Eddy Plough Co., W. (Root; Chaff; Vegetable) .....B  
 N. Y.—Ithaca  
 Williams Bros. (Chaff) AA  
 N. Y.—Newburgh  
 Coldwell Lawn Mower Co. (Smoked Beef) .....A  
 New York City  
 Abbe Engineering Co. (Root) D  
 Alling & Co. (Cigar) .....AA  
 American Wood Working Mach. Co. (Moulding) AAAA  
 Ashcroft Mfg. Co., 85 Liberty (Pipe) .....A  
 Baker, Hermann & Co., 101 Duane (Wood Screw) AAA  
 Brunswick - Balke - Collender Co. (Cue) .....AAAA  
 Chatillon & Sons, J., 85 Cliff (Meat) .....A  
 Crandall & Godley (Cake; Biscuit; Candy) .....AA  
 Dickinson, J. (Est. of) (Glass; Diamond; Glass Tube) .....B  
 Erlandsen, Julius, 172 Centre (Milling) .....F  
 Fairbanks Co., 186 Elm (Pipe; Milling) .....AAAA  
 Garvin Machine Co., 137 Varick (Gear; Bolt; Milling) .....AA  
 Grote & Co., F. (Cue) .....D  
 Hoe & Co., R. (Card; Rule; Lead) .....AAAA  
 Jennings Co., C. E., 42 Murray (Pipe; Tube) .B  
 Judd & Co., H. L. (Paper) AA  
 Kaldenberg Importing & Trading Co. (Cigar Butt) D  
 Kaufmann Bros. & Bondy (Cigar Tip) .....AA  
 Millers Falls Co., 28 Warren (Glass) .....AA  
 Niles-Bement-Pond Co., 136 Liberty (Bolt; Milling; Sprue; Stay-Bolt; Pipe; Tube) .....AAAA  
 Pels & Co., Henry, 66 B'way (Bar) .....C  
 Russell & Erwin Mfg. Co. (Meat) .....AAAA  
 Sargent & Co., 151 Leonard (Meat) .....AAAA  
 Schwartz, Jos. (Cigar Butt) D  
 Shardlow, Joseph, 116 Fulton (Paper) .....D  
 Sheridan, T. W. & C. R. (Card; Bookmakers' Corner; Die; Round Corner) A  
 Singer Mfg. Co. (Button Hole) .....AAAA  
 Smith & Hemmenway Co., 296 B'way (Glass) ....D  
 Staubach, B. (Meat; Sausage; Vanilla Bean) ...A  
 Stimpson & Son, Edwin B. (Leather Strip; Shoe Lace) .....B  
 Thomson, W. S., 418 W. 27th (Moulding) .....F

**CUTTERS (Con.)**  
 Tower & Lyon Co. (Washer) B  
 Watson-Stilman Co. (Rod) A  
**N. Y.—Oswego**  
 Oswego Tool Co. (Improved Three Wheel & One Wheel Pipe) B  
**N. Y.—Poughkeepsie**  
 Lane Bros. Co. (Root; Vegetable) A  
**N. Y.—Richford**  
 Hilts' Wrench & Mfg. Co. (Roll Paper) F  
**N. Y.—Rochester**  
 Klip, Klip Co. (Finger Nail) B  
 Streeter & Co., N. R. (Roll Paper) A  
**N. Y.—Seneca Falls**  
 Seneca Falls Mfg. Co. (Moulding) B  
 Westcott Jewell Co. (Advertising Paper) D  
**N. Y.—Stapleton**  
 Warth, Mrs. G. (Cloth) B  
**N. Y.—Troy**  
 Troy Carriage Wks. (Vehicle) C  
 Troy Stamping Co. (Cake; Biscuit) AAAA  
**N. Y.—Union Centre**  
 Edson, Wyman L. (Vegetable; Root) H  
**N. Y.—Utica**  
 Eureka Mower Co. (Hand Fodder) A  
 Smith & Co., D. B. (Hay; Chaff) B  
 Utica Drop Forge & Tool Co. (File) B  
**N. Y.—Warsaw**  
 Warsaw-Wilkinson Co. (Ensilage) C  
**N. Y.—Waterford**  
 Holroyd & Co. (Axle) A  
 King & Co., J. M. (Rod; Wire) A  
**N. Y.—Yonkers**  
 Saunders Sons, D. (Boiler Tube; Lead Pipe; Tube; Pipe) A  
**N. C.—Greensboro**  
 Glascock & Sons, G. T. (Feed) D  
 Sergeant Mfg. Co. (Chaff) D  
**N. C.—Statesville**  
 Steele & Sons, J. C. (Brick) B  
**OHIO—Akron**  
 Whitman & Barnes Mfg. Co. (Milling) AAAA  
**OHIO—Bucyrus**  
 Amer. Clay Working Mach. Co. (Brick) X  
**OHIO—Canton**  
 Bonnot Co. (Revolving Brick; Drain Tile) A  
 Dick Agr'l Wks., Jos. (Ensilage; Feed; Fodder; Chaff; Hay; Straw) A  
 Ney Mfg. Co. (Feed; Ensilage) B  
**OHIO—Cincinnati**  
 American Tool Wks. Co., 6th & Eggleston (Bolt) AA  
 Brickford Drill & Tool Co., Front & Pike (Milling Multiple Spindle) A  
 Cincinnati Milling Mach. Co. (Universal) AA  
 Cinn. Screw & Tap Co. (Milling) A  
 Day & Co., J. H. (Slaw; Kraut) A  
 Fay, J. A. & Egan Co. (Moulding) AAAA  
 Lunkenheimer Co., Beekman & Waverly (Gauge Glass) AA  
 Miller, L. J. (Vegetable; Root) X  
 Miller, Dubrul & Peters Mfg. Co. (Cigar) B  
 Obermayer Co., S., 647 Evans (Foundry) AA  
 Randall & Co. (Die) B

**CUTTERS (Con.)**  
 Tatum Co., Samuel C. (Washer) B  
 Triumph Elect. & Ice Mach. Co. (Electric Cloth) A  
**OHIO—Cleveland**  
 Acme Machry. Co. (Bolt) AA  
 Ajax Mfg. Co. (Bolt) AA  
 American Fork & Hoe Co. (Cabbage) AAAA  
 Chandler & Price Co. (Rule; Lead) A  
 Cleveland Twist Drill Co. (Milling) A  
 Reliance Mach. & Tool Co., 31 W. Center (Bolt) D  
 Standard Tool Co. (Angular; Convex; Concave; Milling; Spiral Mill; Sprocket) AA  
**OHIO—Columbus**  
 Columbus Mach. Co. (Bolt) A  
 Jeffrey Mfg. Co. (Coal) AAAA  
**OHIO—Cuyahoga Falls**  
 Turner, Vaughan & Taylor Co. (Chain Link) B  
**OHIO—Dayton**  
 National Automatic Tool Co. (Cane) D  
 Seybold Machine Co. (Box-makers' Corner) A  
**OHIO—Tremont**  
 Lehr Agr'l Co. (Feed; Stalk; Chaff) B  
**OHIO—Gallion**  
 Freese & Co., E. M. (Automatic Brick) A  
**OHIO—Hamilton**  
 Advance Mfg. Co. (Chaff) X  
 Black & Clawson Co. (Automatic Ream; Paper Stock; Rag; Stop) AAAA  
 Long & Allstatter Co. (Chaff; Ensilage; Fodder) AA  
 Meyers Mfg. Co., Fred. J. (Cigar Butt) B  
 Niles Tool Wks. Co. (Bolt) AAAA  
**OHIO—Lancaster**  
 Eagle Machine Co. (Chaff; Ensilage; Fodder) A  
 Hocking Valley Mfg. Co. (Chaff) A  
**OHIO—Massillon**  
 Harrison & Co., W. R. (Fodder) B  
**OHIO—Middletown**  
 McSherry Mfg. Co. (Chaff) A  
**OHIO—Norwood**  
 Cinn. Tool Co. (Washer; Gasket) B  
**OHIO—Piqua**  
 Champion Paper Cutter Co. (Paper) X  
**OHIO—Salem**  
 Silver Mfg. Co. (Power Ensilage; Hand; Power Feed; Chaff; Hay; Straw; Fodder; Lever Feed) AA  
**OHIO—Sebring**  
 Farmers Mfg. Co. (Feed) X  
**OHIO—Springfield**  
 Ross Co., E. W. (Ensilage; Feed; Chaff; Fodder; Hay; Straw; Vegetable; Root) A  
 Webster & Perks Tool Co. (Bolt) O  
**OHIO—Tiffin**  
 National Mchry. Co. (Bolt; Pipe; Tube) AA  
**OHIO—Toledo**  
 Baker Bros. (Key-Way) A  
**PA.—Bausman**  
 Bausman, David H. (Corn) O  
**PA.—Beaver Falls**  
 Emerson, Smith & Co. (Ltd.) (Molding) A  
**PA.—Elizabethtown**  
 Buch's Sons, A. (Chaff; Vegetable; Root) A

# **CUTTERS (Con.)**

**PA.—Ellwood City**  
Standard Eng. Co. (Bolt)...  
AA

**PA.—Erie**  
Erie Specialty Co. (Rod;  
Wire; Cigar; Cigar Tip)B  
Hollands Mfg. Co. (Pipe)B  
Reed Mfg. Co. (Pipe)....A

**PA.—Harrisburg**  
Hickok Mfg. Co., W. O.  
Rotary Board; Round Cor-  
ner).....AA

**PA.—Lancaster**  
Mast Mfg. Co., J. M.  
(Slaw).....X

**PA.—Lansdale**  
Heebner & Sons (Ensilage;  
Fodder).....A

**PA.—Mechanicsburg**  
Comstock, Geo. S. (Chaff;  
Ensilage; Fodder; Hay;  
Straw; Stalk).....C

**PA.—Millersburg**  
Polk & Son, A. J. (Milling;  
Side).....C

**PA.—Mount Joy**  
Rollman Mfg. Co. (Apple;  
Meat; Potatoes).....G

**PA.—Norristown**  
Wildman Mfg. Co. (Knit  
Fabric; Rib).....A

**PA.—Philadelphia**  
Altamas, Jacob, 2816 N.  
4th (Chenille).....C

Anderson & Co., J. P.  
(Candy).....X

Andress, Thos. J., 821  
Cherry (Glass).....X

Bonny Vice & Tool Wks..  
3015 Chestnut (Glass;  
Washer; Gasket).....C

Carver Co., Cephas R.  
(Rule; Lead).....X

Chambers Bros. Co., 52nd  
below Lancaster Av.  
(Bolt; Round Corner;  
Board).....AA

Disston & Sons, Henry  
(Inc.) (Screw Slotting;  
Saw Gummer; Cork;  
Cloth; Leather; Paper;  
Slaw; Kraut).....AAAA

Enterprise Mfg. Co., 3rd  
(Tobacco, hand for coun-  
ter use; Vegetable; Root;  
Meat; Slaw; Kraut)....  
AAAA

Lever, Oswald, Lehigh Av.  
& Masher (Chenille) ..C

Mills & Bro., Thomas, 1301  
N. 8th. (Vegetable) ...A

Moore & White Co. (Paper)  
AA

Morris, P. H. (Pipe; Tube)  
C

Natl. Specialty Mfg. Co.  
(Tobacco).....AA

Newton Machine Tool Wks.  
(Inc.), 2343 Vine (Mill-  
ing; Perforated for In-  
ternal Lubrication) ...AA

Nittinger, August (Meat;  
Slaw; Kraut).....A

North Bros. Mfg. Co., Le-  
high Av. & America  
(Hand; Tobacco; Meat)..  
AA

Pancoast & Co., H. B., 243  
S. 3rd (Gauge Glass;  
Pipe).....B

Phila. Novelty Mfg. Co.  
(Washer).....D

Phila. Roll & Machine Co.,  
23rd & Washington Av.  
(Pinion).....A

Sellers & Co., Wm. (Inc.),  
1600 Hamilton (Bolt;  
Milling).....AAAA

Stortz & Son, Jno., 210 Vine  
(Glass; Washer; Gasket)  
E

Stow Flexible Shaft Co., N.  
26th & Buttonwood  
(Boller Tube; Stay-Bolt)B

Underwood & Co., H. B.,  
1023 Hamilton (Stay-Bolt)  
B

Waterall & Co., Wm., 200  
N. 4th (Fillet).....A

# **CUTTERS (Con.)**

Woodhouse, Sam'l F. (Li-  
quid; Paste Fillet) ....D

**PA.—Pittsburg**  
Nuttall & Co., H. (Milling)  
A

**PA.—Reading**  
Penn. Hardware Co. (To-  
bacco, hand for Counter)  
AA

Reading Standard Cycle  
Mfg. Co. (W. F. Remp-  
pis) (Milling Face, etc.)B

**PA.—Scranton**  
Hunt, Alex. E., 434 Lack.  
Av. (Gauge Glass) ....B

**PA.—Tatamy**  
Messinger Mfg. Co. (En-  
silage; Fodder; Chaff;  
Hand; Power Feed) ...B

**PA.—Wrightsville**  
Wrightsville Hdw. Co. (To-  
bacco, hand for counter)B

**PA.—York**  
Farquhar Co., A. B. (Feed;  
Chaff; Hay; Straw).AAA

Keystone Farm Mach. Co.  
(Hand; Power Feed; En-  
silage; Fodder; Hay;  
Straw).....B

Spangler Mfg. Co. (Feed;  
Chaff; Hay; Straw) ...C

**R. I.—Providence**  
Brown & Sharpe Mfg. Co.  
Angular; Convex; Con-  
cave; Gear; Milling;  
Screw; Slotting; Spiral  
Mill; Sprocket; T-Slot;  
Tape; Reamer; Twist  
Drill; Worm Wheel; In-  
volute; Epicycloidal;  
Chain Link).....AAAA

Johnson & Co., C. A. (Cloth)  
D

New England Pearl Co.  
(Paper).....F

Standard Mchry. Co.  
(Jewelers').....B

Thurston Mfg. Co. (Jewel-  
ers').....C

**VT.—Bennington**  
Cooper, Chas. (Rib) ....B

**VT.—Derby Lane**  
Butterfield & Co. (Axle;  
Pipe; Gummer) .....A

**VT.—St. Albans**  
St. Albans Fdry. & Imple-  
ment Co. (Ensilage; Stalk;  
Fodder).....D

**VT.—Woodstock**  
Daniels Machine Co. (Paper  
Stock).....F

**VA.—Danville**  
Westbrooks Fdry. & Mach.  
Co., J. B. (Feed) .....F

**VA.—Norfolk**  
White & Bro., S. R. (Feed)  
A

Whitehurst Co., R. W.  
(Root; Vegetable) ....B

**VA.—Richmond**  
Cardwell Mach Co. (Hay;  
Straw).....A

**WIS.—Beloit**  
Beloit Iron Wks. (Auto-  
matic Ream; Stop) ....A

Berlin Machine Wks. (Ex-  
celsior).....AAAA

**WIS.—Eau Claire**  
McDonough Mfg. Co. (Ex-  
celsior).....A

**WIS.—Manitowoc**  
Smalley Mfg. Co. (Ensilage;  
Feed; Chaff; Fodder;  
Hay; Straw; Vegetable;  
Root).....B

**WIS.—Milwaukee**  
Chain Belt Co. (Bolt) ....B

Milwaukee Fdry. Supply  
Co., 258 Lake (Fillet)...F

**WIS.—North Milwaukee**  
Luther Bros. Co. (old Rub-  
ber).....C

**WIS.—Racine**  
Belle City Mfg. Co. (Ensi-  
lage; Feed; Chaff; Hay;  
Straw; Root; Vegetable;  
Lever Feed).....B

Case Plow Wks., J. I.  
(Stalk).....AAA

**CUTTERS (Con.)**

Foster & Williams Mfg. Co.  
(Ensilage; Fodder) ... B  
Freeman & Son Mfg. Co., S.  
(Feed; Chaff; Ensilage;  
Fodder; Hay; Straw; Lev-  
er Feed) ..... A  
WIS.—Sheboygan  
Kohler Sons Co., J. M.  
(Chaff; Ensilage; Fodder;  
Hay; Straw) ..... A  
WIS.—Whitewater  
Merriam, I. Z. (Corn) ... E

**CYANIDE**

New York City  
Roessler & Hasslacher  
Chemical Co., 100 William  
AA  
PA.—Philadelphia  
Harrison Bros. & Co. (Inc.).  
35th & Gray's Ferry Road  
(of Soda) ..... AAAA

**CYCLOME-  
TERS**

CONN.—Bristol  
New Departure Bell Co. ... A  
CONN.—Hartford  
Veeder Mfg. Co. (Bicycle) B  
CONN.—Waterbury  
New England Watch Co. AA  
ILL.—Chicago  
McDonnell Odometer Co. X  
N. J.—Trenton  
Trenton Watch Co. ... A  
New York City  
Graham & Co., J. H., 113  
Chambers ..... AA

**CYLINDERS**

ALA.—Birmingham  
Dimmick Pipe Co. (Com-  
press) ..... A  
ILL.—Batavia  
Challenge Wind Mill & Feed  
Mill Co. (Brass; Pump)  
A  
U. S. Wind Engine & Pump  
Co. (Brass; Iron; Pump)  
A  
ILL.—Chicago  
Aermotor Co. (Pump) .AAA  
Fairbanks, Morse & Co. ...  
AAAA  
Temple Pump Co. (Pump) .A  
ILL.—Freeport  
Woodmause & Hewitt Mfg.  
Co. (Pump) ..... B  
ILL.—Sandwich  
Sandwich Mfg. Co. (Pump)  
AA  
ILL.—Sterling  
Novelty Iron Wks. (Pump)  
X

IND.—Anderson  
Hill Machine Co. (Pump) .D  
IND.—Kendallville  
Flint & Walling Mfg. Co.  
(Brass; Iron; Pump) .AA  
IOWA.—Davenport  
Red Jacket Mfg. Co.  
(Pump) ..... B  
IOWA.—Dubuque  
A. Y. McDonald & Morris-  
son Mfg. Co. (Br. Cent.  
Fdry. Co., N. Y. City,  
N. Y.) (Pump) .AAAA

MD.—Baltimore  
Poele & Son Co., Robt.  
(Iron) ..... A  
MASS.—Boston  
National Tube Wks. Co.  
(Br. U. S. Steel Cornn.)  
(Iron; Steel) ..... AAAA

MASS.—Chicopee Falls  
Lamb Mfg. Co. (Needle) .B  
MASS.—Westfield  
Crane Bros. (Linenoid Seam-  
less) ..... AAA

MASS.—Worcester  
Wheeler Fdry. Co. (Engine)  
D

MICH.—Detroit  
Detroit Lubricator Co.  
(Locomotive) ..... AA

MICH.—Detroit  
Detroit Lubricator Co.  
(Locomotive) ..... AA

MICH.—Detroit  
Detroit Lubricator Co.  
(Locomotive) ..... AA

MICH.—Detroit  
Detroit Lubricator Co.  
(Locomotive) ..... AA

MICH.—Detroit  
Detroit Lubricator Co.  
(Locomotive) ..... AA

**CYLINDERS (Con.)**

NEBR.—Beatrice  
Dempster Mill Mfg. Co.  
(Pump) ..... A  
N. J.—Belleville  
Eastwood Wire Mfg. Co.  
(Papermakers') ..... A  
N. J.—Jersey City  
Eastern Carbon Wks. (Car-  
bon) ..... A  
N. Y.—Brooklyn  
Continental Iron Wks.  
(Welded Steel; Iron) .X  
N. Y.—Dunkirk  
Brooks Locomotive Wks.  
(Br. Amer. Locomotive  
Wks., N. Y. City) (Loco-  
motive) ..... AAAA

N. Y.—Little Falls  
Stafford & Holt (Knitting  
Machine) ..... B  
New York City  
Cent. Foundry Co. (Pump) ..  
AAAA

Int. Steam Pump Co.  
(Pump) ..... AAAA  
Koven & Bro., L. O., 50  
Cliff (Hydraulic) ..... A  
U. S. Cast Iron Pipe &  
Fdry. Co., 80 B'way  
(Large Cast Iron) .AAAA  
Worthington Pumping En-  
gine Co. (Br. Int. Steam  
Pump Co.) (Pump) .AAAA

N. Y.—Seneca Falls  
Rumsey & Co. (Ltd.)  
(Pump) ..... A  
OHIO.—Cleveland  
Avery Stamping Co. .... A  
Tyler Wire Wks. Co., W.  
S. (Papermakers') .AA  
OHIO.—Hamilton  
Black & Clawson Co.  
(Papermakers') ..... AA

OHIO.—Warren  
Trumbull Mfg. Co. (Gas-  
line Engine) ..... C  
OHIO.—Youngstown  
Pollock Co., W. B. (Ammo-  
nia; Carbolic Acid) .... B  
PA.—Harrisburg  
Harrisburg Pipe & Pipe  
Bending Co. (Anhydrous;  
Ammonia; Carbolic Acid  
Gas; Iron) ..... AA

PA.—Philadelphia  
Branson Machine Co., 506  
N. American (Knitting  
Machine; Needle) ..... A  
Cook, Stephen S., 624 Race  
(Knitting Machine;  
Forged Steel; also Dials)  
F

Jannev, Stimmetz & Co.,  
Drexel Bldg. (Cold Drawn  
Seamless Steel; also  
Tanks) ..... D  
Paxton & O'Neil, 127  
Broad (Knitting Machine)  
A

Phila. Steel & Iron Co.  
(Steel Hydraulic) ..... B  
Phoenix Bridge Co. (Iron) A  
PA.—Pittsburg  
National Tube Co. (Ammo-  
nia; Carbolic Acid) .AAA  
Scaiffe & Sons Co., Wm. B.,  
221 1st Av. (Calcium  
Light; Hydraulic; Hydro-  
gen; Oxygen; Ammonia;  
Carbolic Acid; Steel) ... A

Sterrit-Thomas Fdry. Co.,  
32nd & Smallwood (Hy-  
draulic) ..... A  
PA.—South Bethlehem  
Bethlehem Fdry. & Machine  
Co. (Ammonia; Carbolic  
Acid) ..... C  
PA.—Washington  
Petroleum Iron Wks. Co.  
(Caisson) ..... B

PA.—Wilkesbarre  
Vulcan Iron Wks. (Iron;  
Engine) ..... AAAA  
R. T.—Providence  
Hill Mfg. Co., Jas. (Spin-  
ning) ..... B  
WIS.—Rehoboth  
Bellet Iron Wks. (Paper-  
makers') ..... A

PA.—Harrisburg  
Harrisburg Pipe & Pipe  
Bending Co. (Anhydrous;  
Ammonia; Carbolic Acid  
Gas; Iron) ..... AA

PA.—Philadelphia  
Branson Machine Co., 506  
N. American (Knitting  
Machine; Needle) ..... A  
Cook, Stephen S., 624 Race  
(Knitting Machine;  
Forged Steel; also Dials)  
F

Jannev, Stimmetz & Co.,  
Drexel Bldg. (Cold Drawn  
Seamless Steel; also  
Tanks) ..... D  
Paxton & O'Neil, 127  
Broad (Knitting Machine)  
A

Phila. Steel & Iron Co.  
(Steel Hydraulic) ..... B  
Phoenix Bridge Co. (Iron) A  
PA.—Pittsburg  
National Tube Co. (Ammo-  
nia; Carbolic Acid) .AAA  
Scaiffe & Sons Co., Wm. B.,  
221 1st Av. (Calcium  
Light; Hydraulic; Hydro-  
gen; Oxygen; Ammonia;  
Carbolic Acid; Steel) ... A

Sterrit-Thomas Fdry. Co.,  
32nd & Smallwood (Hy-  
draulic) ..... A  
PA.—South Bethlehem  
Bethlehem Fdry. & Machine  
Co. (Ammonia; Carbolic  
Acid) ..... C  
PA.—Washington  
Petroleum Iron Wks. Co.  
(Caisson) ..... B

PA.—Wilkesbarre  
Vulcan Iron Wks. (Iron;  
Engine) ..... AAAA  
R. T.—Providence  
Hill Mfg. Co., Jas. (Spin-  
ning) ..... B  
WIS.—Rehoboth  
Bellet Iron Wks. (Paper-  
makers') ..... A

PA.—Harrisburg  
Harrisburg Pipe & Pipe  
Bending Co. (Anhydrous;  
Ammonia; Carbolic Acid  
Gas; Iron) ..... AA

PA.—Philadelphia  
Branson Machine Co., 506  
N. American (Knitting  
Machine; Needle) ..... A  
Cook, Stephen S., 624 Race  
(Knitting Machine;  
Forged Steel; also Dials)  
F

Jannev, Stimmetz & Co.,  
Drexel Bldg. (Cold Drawn  
Seamless Steel; also  
Tanks) ..... D  
Paxton & O'Neil, 127  
Broad (Knitting Machine)  
A

Phila. Steel & Iron Co.  
(Steel Hydraulic) ..... B  
Phoenix Bridge Co. (Iron) A  
PA.—Pittsburg  
National Tube Co. (Ammo-  
nia; Carbolic Acid) .AAA  
Scaiffe & Sons Co., Wm. B.,  
221 1st Av. (Calcium  
Light; Hydraulic; Hydro-  
gen; Oxygen; Ammonia;  
Carbolic Acid; Steel) ... A

Sterrit-Thomas Fdry. Co.,  
32nd & Smallwood (Hy-  
draulic) ..... A  
PA.—South Bethlehem  
Bethlehem Fdry. & Machine  
Co. (Ammonia; Carbolic  
Acid) ..... C  
PA.—Washington  
Petroleum Iron Wks. Co.  
(Caisson) ..... B

PA.—Wilkesbarre  
Vulcan Iron Wks. (Iron;  
Engine) ..... AAAA  
R. T.—Providence  
Hill Mfg. Co., Jas. (Spin-  
ning) ..... B  
WIS.—Rehoboth  
Bellet Iron Wks. (Paper-  
makers') ..... A

**CYLINDERS (Con.)**

WIS.—Milwaukee  
Pressed Steel Tank Co. (Cal-  
cium Light; Hydrogen;  
Oxygen; Seamless Steel;  
also Shells; Tanks) ....X

**CYMBALS**

See Musical Instruments

**CYPRESS**

See Lumber

**DADOS**

ILL.—Chicago  
Phoenix Trimming Co., 577  
Clybourn Av. ....D  
MASS.—Boston  
Mathews Consolidated Slate  
Co., 199 Washington  
(Slate) .....X

**DAMASK**

See Cotton Goods

**DAMPENERS**

See Machinery; Laundry.

**DAMPERS**

ILL.—Freeport  
Arcade Mfg. Co. (Stove;  
Pipe) .....B  
Stover Mfg. Co. (Stove) ..A  
IOWA—Dubuque  
Adams Co. (Stove) .....B  
MASS.—Boston  
Howes Co., S. M. (Pipe) ..C  
MASS.—Milford  
Milford Iron Foundry  
(Stoveplace) .....C  
MO.—St. Louis  
Plunger & Henger Mfg. Co.  
(Pipe) .....A  
N. Y.—Albany  
Troy Nickel Wks. (Stove;  
Pipe) .....C  
N. Y.—Buffalo  
Shepard & Co., Sidney  
(Stove) .....AAAA  
N. Y.—Manlius  
Cheney & Son, S. (Pipe) ..A  
New York City  
Jackson & Bro., Edwin A.,  
50 Beekman (Fireplace,  
etc.) .....C  
Peck, Stow & Wilcox Co.,  
27 Murray (Pipe) ..AAAA  
Tuttle & Bailey Mfg. Co.  
(Stove) .....A  
N. Y.—Utica  
Millar & Son, Chas.  
(Stove) .....AA  
OHIO—Cleveland  
Fanner Mfg. Co. (Pipe) ..A  
Taylor & Boggis Fdry. Co.  
(Pipe) .....AA  
OHIO—Columbus  
Patton Mfg. Co. (Stove) ..X  
OHIO—Plymouth  
Root Bros. Co. (Pipe) ...B  
OHIO—Ravenna  
Williams, A. C. (Pipe) ...A  
PA.—Erie  
Griswold Mfg. Co. (Stove)  
.....A  
Hollands Mfg. Co. (Pipe) ..C  
PA.—Philadelphia  
Berger Bros. Co. (Stove) ..A  
W. VA.—Fairmount  
Hemlock Fdry. & Machine  
Co. (Coke Oven) .....D

**DAMS**

MASS.—Andover  
Tyler Rubber Co. (Rubber)  
.....AA  
N. J.—Menlo Park  
Elliott Mfg. Co. (Dental) X  
New York City  
Hodgman Rubber Wks. 806  
Bway. (Rubber) .....AA  
Kleinert Rubber Co., I. B.,  
725 Bway (Dental) .....A  
OHIO—Cleveland  
Cleveland Rubber Co.

**DAMS (Con.)**

(Rubber) .....AAAA  
R. I.—Providence  
Davol Rubber Co. (Dental)  
.....AA

**DARNERS**

MASS.—North Attleboro  
Gilbert, F. S. (Glove) ...D  
New York City  
Estes & Son, E. B. 45 John  
(Stocking) .....AA  
OHIO—Akron  
Baker, McMillan Co. (Glove;  
Stocking) .....B

**DASHERS**

MICH.—Bellaire  
Richards & Bechtold  
(Churn) .....B  
MICH.—Kalkaska  
Freeman Mfg. Co. (Churn) B  
N. J.—Hoboken  
Woodman, Joel H. (Sleigh)  
.....A

**DASHES**

See Woodwork; Carriage.

**DATES**

See Figs & Dates

**DAUBERS**

See Brushes

**DAVENPORT**

See Furniture

CONN.—Mt. Carmel  
Woodruff & Sons Co.  
(Screen) .....A  
New York City  
Mundt & Sons, Chas.  
(Screen) .....B

**DECAL-****COMANIE**

ILL.—Chicago  
Meyercoed Co., 618 Cham-  
ber of Commerce .....A  
Palm, Fechteler & Co. ...A  
N. J.—Hoboken  
American Decalcomanie  
Wks. ....D  
OHIO—Cincinnati  
Palm Bros. & Co. (Inc.) A  
PA.—Philadelphia  
Nat'l. Decalcomanie Co. .F

**DECANTERS**

See Glassware

**DECKING**

FLA.—Pensacola  
Thornton, H. H. (Ship) ..F  
GA.—Savannah  
Southern Pine Co. of Ga.  
(Car) .....AAA  
N. C.—Abbeysburg  
Cashwell, J. C. (Ship) ...F  
OHIO—Toledo  
Smith & Co., W. H. H.  
(Ship) .....B  
TEXAS—Houston  
Emporia Lumber Co. (Car)  
.....AAA  
WASH.—Tacoma  
Washington Mfg. Co.  
(Porch; Ship) .....B

**DECKS**

MICH.—Bay City  
Garland Co., M. (Log) ...C  
VT.—Montpelier  
Lane Mfg. Co. (Log) .....A  
WIS.—Milwaukee  
Filer & Stowell Co. (Ltd.)  
(Log) .....AAA

**DECORATIONS**

CONN.—Beacon Falls  
Bronson Co., Homer D.  
(Bronze; Silver Plate) O

**DECORATIONS (Con.)**

**CONN.—Hartford**  
Root, C. R., 286 Sheldon  
(Plastic Relief) .....G  
**ILL.—Chicago**  
Architectural Decorating Co.  
204 Illinois (Carton Pierre;  
Plastic Relief; Theatre) .....O  
Decorators' Supply Co.,  
209-219 S. Clinton (Carton  
Pierre; Plastic Relief;  
Theatre) .....B  
Plastic Relief Mfg. Co., 298  
N. Halsted (Carton  
Pierre; Plastic Relief;  
Theatre) .....E

**MASS.—Boston**  
Dolan, W. J., 181 Tremont  
(Church) .....E  
Emmel, Chas., 383 Albany  
(Carton Pierre; Plastic  
Relief; Theatre) .....B  
Vogt & Sons, Paul, 97 Haverhill  
(Plastic Relief) ..A

**MICH.—Detroit**  
Bailey Co., 224 21st (Plastic  
Relief) .....E

**MO.—St. Louis**  
Siefert, Frank A. (Carton  
Pierre; Plastic Relief;  
Theatre) .....D

**N. J.—New Brunswick**  
Janeway & Carpenter  
(Ceiling) .....AA

**N. Y.—Brooklyn**  
Arnold & Locke, 250 Ful-  
ton (Theatre) .....D

Forman Bros., 645 Gates Av.  
(Plastic Relief) .....D

Halbert, G. & W., 455 Ful-  
ton (Church; Theatre) ..F

Heilmann Co., R., 207 State  
(Carton Pierre; Church;  
Plastic Relief; Theatre) .....E

**New York City**  
Benziger Bros., 36 & 38  
Barclay (Church) .....A

Church Glass & Decorating  
Co., 253 4th Av. (Theatre) .....B

Fuchs, Henry, 34 W. 37th  
(Theatrical) .....D

Gelsler, R., 56 W. 8th  
(Church) .....F

Koster Co., C. H. (for Cele-  
brations) .....D

Lamb, J. & R., 59 Carmine  
(Church; Ceiling) .....D

Righter & Kold, 156 5th Av.  
(Church; Plastic; Relief;  
Theatre) .....E

Rudolph, Oscar, 3 Marion  
(Carton Pierre) .....D

Stoltzenberg Co., 51 Barclay  
(Church) .....B

Tiffany Studios, 333 4th Av.  
(Church) .....AA

**N. Y.—Syracuse**  
Wood Glass Co., 226 N. Sa-  
lina (Church) .....O

**OHIO—Cincinnati**  
Marks Plaster Ornament  
Mfg. Co., W. A., 726 W.  
5th (Carton Pierre) ....E

**PA.—Philadelphia**  
Busse Sculptured Leather  
Co., 1221 Samson .....F

De Planque, F. R., 1849  
Ridge Av. (Carton Pierre;  
Plastic Relief; Theatre) D

Whitman & Co., J. Franklin,  
212 S. 5th (Carton Pierre;  
Plastic Relief) .....C

**TENN.—Union City**  
Canvass Decoy Co. (Ducks,  
etc.) .....E

**DECOYS**  
**ILL.—Monmouth**  
Allen, F. A. ....F

**MICH.—Detroit**  
Dodge, Jasper N. ....E

**DEERSKINS**  
See Leather

**DEES**  
**CONN.—New Britain**  
North & Judd Mfg. Co.  
(Breeching; Harness; Riv-

**DEES (Con.)**

et) .....AA  
**CONN.—New Haven**  
North & Co., O. B. (Har-  
ness) .....AA  
**N. J.—Newark**  
Jenkinson & Co., R. C. ...AA  
**OHIO—Canton**  
Elbel Co. (Breeching; Halt-  
er; Harness; Hull) ....B  
**OHIO—Cleveland**  
Eberhard Mfg. Co. (Har-  
ness) .....AA

**DEFECATORS**

**594 DEFECATORS**  
**CONN.—Ansonia**  
Farrell Fdry. & Machine Co.  
AAAA

**DEL.—Wilmington**  
Pusey & Jones Co. ....AAA

**ILL.—Chicago**  
Wolf Co., Fred. W., 139  
Rees .....AA

**KANS.—Fort Scott**  
Fort Scott Fdry. & Machine  
Co. (Chas. Eller) .....H

**LA.—New Orleans**  
Hauptman & Loeb Co.  
(Ltd.) 217 Gravier ....A

Murphy, Jno. H., 643  
Magazine .....A

Payne & Joubert, 433 Caron-  
delet .....O

**N. J.—Jersey City**  
Flynn, W. S., 74 Hudson ..D

**N. Y.—Brooklyn**  
Pioneer Iron Wks., 151 Wil-  
lam .....A

**N. Y.—Buffalo**  
Sculer Mfg. Co., Geo. L.,  
420 Niagara (Sugar) ...A

**N. Y.—Newburgh**  
Coldwell-Wilcox Co. ....B

**New York City**  
Cornell Co., J. B. & J. M.,  
26th & 11th Av. ....AA

Deeley & Co., Robert, 507  
W. 82d .....AA

Krajewski-Pesant Co., 32  
Bway. (Sugar) .....A

Reilly Repair & Supply Co.,  
Jas., 229 West (Sugar) .....AA

Turl's Sons, Jno., 534 W.  
28th .....A

**OHIO—Cincinnati**  
Blymyer Iron Wks. Co.  
(Sugar) .....D

**OHIO—Cleveland**  
Kilby Mfg. Co. ....AA

**PA.—Philadelphia**  
Morris, Henry G. (Phila.  
Bourse) .....F

**DEFLECTORS**  
**New York City**  
Reconstructed Granite Co.,  
14 Dey (Arc for Control-  
lers) .....O

**DEGERMINA-  
TORS**

**IND.—Indianapolis**  
Nordyke & Mormon Co.,  
(Corn) .....AA

**OHIO—Columbus**  
Case Mfg. Co. (Corn) ...AA

**DEGRAS**

**MASS.—Boston**  
Leonard & Co., Geo. H. ...A

**New York City**  
Fuerst Bros. & Co. ....D

Klipstein & Co., A .....AA

**DEHORERS**

**ILL.—Chicago**  
Pratt Mfg. Co., 91 Lake  
(Cattle) .....B

**ILL.—Decatur**  
Brown Mfg. Co., H. H.  
(Cattle) .....D

**IND.—Lawrenceburg**  
Bishop & Co., Geo. H. (Cat-  
tle) .....A

**MO.—Kansas City**  
Russell Hdw. & Implement  
Mfg. Co. ....X

## DELAINES

See Cotton Goods

## DEMAGNETIZERS

**IND.**—South Bend  
Knoblock-Heideman Mfg.  
Co. (Watch) .....D  
**MASS.**—Brookline  
Holtzer-Cabot Electric Co.  
(Watch) .....A  
New York City  
Green & Co., W., 6 Maiden  
Lane .....B  
Jones & Son J., 64 Cortlandt  
X

## DEMIJOHNS

See also Carboys; Bottles.

New York City  
Boley Mfg. Co., 52 Cannon D  
Brookfield Glass Co., 220  
Bway. ....B  
**N. Y.**—Poughkeepsie  
Poughkeepsie Glass Wks...A  
**PA.**—Philadelphia  
Burgin & Son Glass Co...A

## DENIMS

See Cotton Goods

## DENTRIFICE

See Powder; Tooth.

## DEPILATORIES

**CONN.**—Hartford  
Bailey Mfg. Co. ....O  
New York City  
Recamier Mfg. Co. ....F  
Stone, Tunlow & Co., 4 War-  
ren .....A  
**PA.**—Philadelphia  
Fricke, Arthur .....O

## DE-RAILS

**ILL.**—Chicago  
Pneumatic Gate Co., 100  
Wash. (Street Railway) D  
**MICH.**—Kalamazoo  
Kalamazoo Railway Supply  
Co. (Street Railway) ...B  
**MICH.**—Three Rivers  
Sheffield Car Co. (Street  
Railway) .....AA  
**N. J.**—Hoboken  
New York Switch & Crossing  
Co. (Street Railway) ...A

## DERRICKS

**CAL.**—San Francisco  
Hendy Machine Wks.,  
Joshua .....AA  
**CAL.**—Stockton  
Shaw Plow Wks., H. C.  
(Hay) .....A  
**GA.**—Augusta  
Lombard Iron Wks. & Sup-  
ply Co. (Hay) .....A  
**ILL.**—Batavia  
U. S. Wind Engine & Pump  
Co. (Hay) .....A  
**ILL.**—Chicago  
Carpenter & Co., Geo. B.  
(Construction) .....AA  
Shaw, Willis, N. Y. Life  
Bldg. (Traveling) .....D  
Vulcan Iron Wks., 57 Mil-  
waukee Av. (Pile Driving;  
Coal) .....AA  
**ILL.**—Ottawa  
Porter Co., J. E. (Hay)...A  
**IND.**—New Albany  
New Albany Mfg. Co.  
(Steam) .....C  
**KANS.**—Fort Scott  
Ft. Scott Fdry. & Machine  
Co. (C. Eller) (Mining;  
Quarry) .....H  
**KY.**—Louisville  
Brennan & Co. (Construc-  
tion) .....AA  
Vost Machine Co., Henry  
(Revolving Steam)....AA

## DERRICKS (Con.)

**MICH.**—Bay City  
Industrial Wks. (Construc-  
tion) .....AA  
**MICH.**—Detroit  
Northern Engineering Wks.  
A  
**MINN.**—St. Paul  
American Hoist & Derrick  
Co. (Traveling) .....A  
**MO.**—St. Louis  
Broderick & Bascom Rope  
Co. ....AA  
Leschen & Sons Rope Co., A.  
AAA  
**N. J.**—Jersey City  
Smith & Sons Co., Theodore,  
ft. of Essex (Pile Driving;  
Wrecking) .....A  
**N. J.**—Newark  
Mundy, J. S., 22 Prospect. A  
**N. Y.**—Albany  
Osgood Dredge Co. (Con-  
struction) .....A  
**N. Y.**—Brooklyn  
Pollard, Jos. G., 141 Ray-  
mond (Ash Hoisting) ...F  
**N. Y.**—Buffalo  
Contractors' Plant Mfg. Co.,  
127 Erie (Pile Driving;  
Steam; Construction) ...B  
**N. Y.**—Dunkirk  
Brooks Locomotive Wks.  
(Br. Amer. Loco. Wks., N.  
Y. City) (Wrecking)  
AAAA  
**N. Y.**—Lockport  
Norman & Evans (Steam), B  
New York City  
American Locomotive Wks.  
Wrecking) .....AAAA  
Dobie Fdry. & Machine Co.,  
42 Dey (Pile Driving;  
Steam; Traveling) ....D  
Hayward Co., 97 Cedar  
(Traveling) .....B  
Lidgerwood Mfg. Co., 96  
Liberty (Pile Driving;  
Mining; Quarry) ....AAA  
New Jersey Fdry. & Mach.  
Co. ....D  
**N. Y.**—Schenectady  
General Electric Co. (Elec-  
trical) .....AAAA  
**OHIO**—Akron  
Webster Camp & Lane Ma-  
chine Co. (Revolving  
Steam) .....A  
**OHIO**—Alliance  
Morgan Engineering Co.  
(Traveling; Electric)...AA  
**OHIO**—Cleveland  
Kaltenbach & Griess (Steam;  
Traveling) .....B  
McMyler Mfg. Co., 180 Co-  
lumbus (Steam; Ore; Re-  
volving Steam) .....A  
**OHIO**—Warren  
Excelsior Hoisting Mchry.  
Co. (Pile Driving; Steam;  
Traveling; Wrecking)...X  
**PA.**—Allegheny  
Carlin's Sons, Thos. (Coal;  
Construction; Pile; Wood-  
en) .....A  
**PA.**—Nazareth  
Nazareth Fdry. & Mach. Co.  
B  
**PA.**—Pittsburg  
Oil Well Supply Co. (Steel;  
Wooden) .....AAAA  
Ritter-Conly Mfg. Co. ....AAA  
**PA.**—Reading  
Reading Crane & Hoist Wks.  
(Portable Folding) ....O  
Sneldel, J. G. ....D  
**TENN.**—Memphis  
Bodley Wagon Co. (Crane)  
A  
**VT.**—Barre  
Whitcomb Bros. (Boom)...F  
**VT.**—Rutland  
Patch Mfg. Co., F. R. ....A  
**WIS.**—Racine  
Case Threshing Machine Co.,  
J. J. (Construction) AAAA

## DERRINGERS

See Fire Arms

## DESIGNS

**MASS.**—Worcester  
National Mfg. Co. (Floral  
Wire) .....A

**DESIGNS (Con.)**

Wright Wire Co. (Floral Wire) .....AA  
 New York City  
 Jansen, Edward (Florists') A  
 OHIO—Cincinnati  
 Griffith & Sons, Jas. (Floral Wire) .....A  
 OHIO—Dayton  
 Dayton Art Glass Wks. (Art Glass) .....F  
 OHIO—Hamilton  
 Meyer Mfg. Co., Fred. J. (Floral Wire) .....B  
 TEXAS—Dallas  
 Cunningham, I. E. (Odd Furniture) .....D

**DESKS**

See Furniture

**DESTROYERS**

MASS.—Chicopee Falls  
 Belcher & Taylor Agr'l Tool Co. (Potato Bug) .....A  
 New York City  
 Adler Color & Chemical Wks. (Potato Bug) .....A

**DETACHERS**

N. Y.—Troy  
 Trojan Button Fastener Co. (Inc.) (Button) .....B

**DETECTORS**

See also Watches

IND.—Ft. Wayne  
 Fort Wayne Electric Wks. (Ground) .....AA  
 MASS.—Boston  
 Boston Electric Co., 29 Harrison (Ground; Battery) B  
 MASS.—Pittsfield  
 Stanley Electric Mfg. Co. (Ground) .....AA  
 N. H.—Penacook  
 Whitney Electrical Mfg. Co. (Ground) .....D  
 New York City  
 American Watchman's Time Detector Co., 234 & 235 Bway. (Time) .....F  
 Empire Elect. Instrument Co., 656 Hudson (Ground) D  
 Kinsman Elec. & Railway Supply Co., 91 Liberty (Phonoscopic or Electric) E  
 N. Y.—Schenectady  
 General Electric Co. (Ground) .....AAAA  
 N. Y.—Syracuse  
 S. E. I. Co. (Ground) ....X  
 N. Y.—Utica  
 Utica Electrical Mfg. & Supply Co. (Ground) ...X  
 PA.—Philadelphia  
 Keystone Elec. Instrument Co., 901 Montgomery Av. (Ground) .....B

**DETINNING**

New York City  
 Vulcan Detinning Co., 157 Cedar (Tin Scrap) .....A

**DEVELOPERS**

MO.—St Louis  
 Cramer Dry Plate Co., G. (Photo. Eikonogen; Pyro) A  
 Hammer Dry Plate Co., Ohio Av. & Miami (Powder) ...A  
 New York City  
 Tolmer & Schwing Mfg. Co., 407 Broome (Photographic) .....B  
 Gennert, G. (Photo. Eikonogen; Pyro) .....B

**DEVICES**

CONN.—Hartford  
 Whitney Mfg. Co. (Wheel Truing for Water Tool Grinders) .....B

**DEVICES (Con.)**

IND.—Anderson  
 Hill Tool Co. (Crank Turning) .....B  
 IND.—Fort Wayne  
 Fort Wayne Electric Corp. (Truing; Commutator) AA  
 MICH.—Ovid  
 Folding Casket Lowering Device Co. (Coffin Lowering) B  
 N. J.—Irvington  
 Howlett & Co., J. (Lead Sealing) .....B  
 N. J.—Vineland  
 Gage Tool Co. (Truing & Bench Plane) .....A  
 OHIO—Cincinnati  
 Globe-Wernicke Co. (Filing) AAAAA  
 OHIO—Fremont  
 Simple Account File Co. (Filing) .....B  
 PA.—Philadelphia  
 Standard Elevator Interlock Co., S. Girard Bldg. (Elevator) .....F  
 WIS.—Racine  
 Bishop & Son, A. W. (Fish Reel Spooling) .....B

**DEXTRINE**

See also Starch

DEL.—Wilmington  
 Delaware Glue Co. ....B  
 ILL.—Chicago  
 Fuller & Fuller .....AAA  
 MD.—Baltimore  
 Bloede Co., Victor G. ....B  
 MASS.—Boston  
 Glover & Son, H. N., 355 River .....C  
 New York City  
 National Gum & Mica Co., 502 W. 45th .....A

**DIALS**

CONN.—Waterbury  
 Waterbury Clock Co. (Clock; Watch; Meter) .....AAA  
 MASS.—Boston  
 Thaxter & Son, S. (Sun) .B  
 MASS.—Waltham  
 O'Hara Waltham Dial Co. (Watch; Meter; Clock) .B  
 N. J.—Newark  
 Plumb, D. S. (Watch; Clock; Meter) .....D  
 N. Y.—Brooklyn  
 Manhattan Dial Co. (Enamelled Clock) .....E  
 New York City  
 Caesar Bros. (Watch; Meter; Clock; Instrument) .....D  
 VA.—Norfolk  
 Whitehurst & Co., R. W. (Instrument) .....B

**DIAMONDS**

See Jewelry

**DIAPERS**

CONN.—Bridgeport  
 Canfield Rubber Co. (Rubber) .....AA  
 MASS.—Andover  
 Tyre Rubber Co. (Rubber) AA  
 New York City  
 Goodyear India Rubber Glove Mfg. Co. (Rubber) AAAAA  
 Goodyear Rubber Co. (Rubber) .....AAAA  
 Kleinfert Rubber Co., I. B., 725 Bway. (Rubber) ...A  
 R. I.—Providence  
 Davol Rubber Co. (Rubber) AA

**DIAPHORETIC**

N. Y.—Brooklyn  
 Wiarda & Co., Jno. C. (Antimony) .....AA

**DIAPHRAGMS**

ILL.—Chicago



**DIAPHRAGMS (Con.)**

Railway Appliances Co.,  
Old Colony Bldg. (Car), A  
Ward Co., E. J., 100 Lake  
(Car, made from Cotton  
Belting) ..... D  
Wood & Co., G. S., 100 Lake  
(Car, sewed or sewed &  
riveted) ..... D  
**MASS.—Boston**  
Boston Belting Co., 256 De-  
vonshire (Vestibule; Car;  
Rubber) ..... AAAA  
**MASS.—Cambridge**  
Boston Woven Hose & Rub-  
ber Co. (Rubber) ..... AAAA  
New York City  
Gutta Percha & Rubber Mfg.  
Co. (Rubber) ..... AAAA  
New York Belting & Pack-  
ing Co. (Rubber) ..... AAA  
New York Rubber Co., 84  
Reade (Rubber) ..... AA  
**OHIO.—Cleveland**  
National Carbon Co. (Tele-  
phone) ..... AAAA  
**R. I.—Providence**  
Daval Rubber Co. (Rubber)  
AA

**DIARIES**

**MASS.—Cambridge**  
Cambridgeport Diary Co... A  
**WIS.—Milwaukee**  
Milwaukee Blank Book Mfg.  
Co. (Vest Pocket) ..... B

**DIATESE**

**MICH.—Detroit**  
Parke, Davis & Co. .... AAAA

**DICE**

See Games

**DICTIONA-  
RIES**

**ILL.—Chicago**  
Laird & Lee, 263 Wabash  
Av. .... A  
**MASS.—Springfield**  
Merriam Co., G. & C. .... A  
New York City  
Funk & Wagnalls Co., 30 La-  
fayette Place ..... AAA  
**PA.—Philadelphia**  
Syndicate Publishing Co.,  
234 S. 8th ..... A

**DIES**

See Plates

**COLO.—Denver**  
Denver Novelty Works &  
Electric Co. .... E  
**CONN.—Bridgeport**  
American Tube & Stamping  
Co. .... AAA  
Armstrong Mfg. Co. (Pipe;  
also Stocks; Pipe Thread-  
ing) ..... A  
Connecticut Tool Co. (&  
Stocks; Adjustable; Pipe  
Threading) ..... D  
Curtis & Curtis Co. (Pipe)  
A  
Hatheway Mfg. Co. .... E  
Schwerdtle Stamp Co. (Or-  
namental; Embossing;  
Stencil) ..... G  
**CONN.—Bristol**  
Smith, Ira B. (Cutting;  
Stamping) ..... E  
**CONN.—East Hampton**  
Brown & Co., H. B. (Bolt  
Threading) ..... E  
**CONN.—Hartford**  
Billings & Spencer Co.  
(Screw Plate; Stocks) ... A  
Hartford Machine Screw Co.  
(Automatic) ..... AAAA  
Sigourney Tool Co. (Cut-  
ting) ..... A  
Pratt & Whitney Co. (Ad-  
justable Expanding; Cut-  
ting; Stamping; Opening;  
Punching; also Stocks;  
Solid Pipe) ..... AAAA  
Tucker, W. W. & C. F., 302

**DIES (Con.)**

Asylum (Cutting; Stamp-  
ing; Opening) ..... F  
**CONN.—New Haven**  
Belden Machine Co. .... D  
Griswold, Geo. M. .... D  
Hoggson & Pettis Mfg. Co.  
(Cutting; Stamping;  
Press; Stencil; Leather  
Cutting; Boot; Shoe) ... A  
Kilborn & Bishop Co.  
(Blanking; Cutting;  
Pressing; Punching;  
Stamping) ..... C  
Miner & Peck Mfg. Co.  
(Press) ..... X  
**CONN.—Plainville**  
Clark & Cowles (Cutting;  
Stamping) ..... B  
**CONN.—Waterbury**  
Blake & Johnson (Blanking;  
Cutting; Embossing; Die  
Sinkers; Pressing; Punch-  
ing; Stamping) ..... A  
Cross & Spliers Machine Co.  
D  
Draher, Jno., 70 N. Elm.. F  
Waterbury-Farrell Fdy. &  
Machine Co. (Wire;  
Press) ..... AA  
Waterbury Machine Co.  
(Forming) ..... B  
Waterbury Wire Die Co.  
(Wire Drawing) ..... F  
**CONN.—Westville**  
Geometric Drill Co. (Au-  
tomatic; Opening) ..... X  
**DEL.—Wilmington**  
Hilles & Jones Co. (Cutting;  
Stamping) ..... AA  
**ILL.—Chicago**  
American Can Co., Mer-  
chants' Loan & Trust  
Bldg. (Cutting; Stamp-  
ing) ..... AAA  
Chicago Last & Die Co., 184  
S. Clinton (Boot; Shoe) . B  
Chicago Model Works, 181  
E. Madison ..... X  
Christy & Co., F. C. (Boot;  
Shoe) ..... F  
Consolidated Press & Tool  
Co., 96 N. Clinton (Ad-  
justable Expanding; Auto-  
matic; Blanking; Cutting;  
Embossing; Pressing;  
Punching; Stamping) .. D  
Crane Co., 10 N. Jefferson  
(& Stocks; Pipe Thread-  
ing) ..... AAAA  
Crowe Metal Mfg. Co. .... E  
Elmes Engineering Works,  
Chas. F. (Punching;  
Stamping) ..... A  
Lovejoy, T. H., 90 Ohio  
(Punching) ..... G  
Mooney & Bereter (Boot;  
Shoe) ..... F  
Van Pelt, Geo. H., 45 Hu-  
ron (Boot; Shoe) ..... C  
Wold, Torris & Co., 68 N.  
Jefferson ..... C  
**ILL.—Ottawa**  
American Hdw. Mfg. Co.  
(Cutting; Stamping) ... D  
**ILL.—Sandwich**  
Enterprise Windmill Co.  
(& Stocks; Ratchet Pipe  
Threading) ..... B  
**IND.—Elkhart**  
Buescher Mfg. Co. .... C  
**IND.—Indianapolis**  
Union Embossing Machine  
Co. (Wood; Leather Em-  
bossing) ..... C  
**KY.—Louisville**  
Koehler, Hy. L. (Wooden  
Box Printing) ..... G  
**MAINE.—Portland**  
Hayes, Harrison (Adjust-  
able Pipe) ..... H  
Lang Co., E. M. (Tinners')  
G  
**MD.—Baltimore**  
Brown, F. S. & G. L., 20 E.  
Fort Av. .... D  
Dorman Co., J. F. W., 121  
E. Fayette (Press) ..... F  
Kemp Mfg. Co., C. M., 1501  
Guliford Av. (& Stocks;

**DIES (Con.)**

Ratchet Stocks) .....C  
**MASS.—Attleboro**  
 Mosberg Co., Frank  
 (Stamping) .....B  
**MASS.—Boston**  
 Barrett Bros., 48 Haverhill  
 O  
 Becker Engineering Co.,  
 August, 247 Atlantic Av.  
 (Cutting; Stamping)....E  
 Burke, P. F., Dow, cor.  
 Dorchester (Welding)....E  
 Dalton-Ingersoll Co., 175  
 High (Expanding) .....A  
 Lang & Sons, J. A., 280  
 Dover .....E  
 National Machine & Tool  
 Co., 253a, (Forming)....A  
 Seelye Co. (Boot;  
 Shoe) .....D  
 Walworth Mfg. Co., 182  
 Federal (Halls' Pipe, &c.;  
 Pipe; Press; Pipe Thread-  
 ing) .....AAAA  
 Woodman Mfg. & Supply  
 Co., R. (Ticket Punch).F  
**MASS.—Brookton**  
 Brockton Die Co. (Boot;  
 Shoe) .....F  
**MASS.—Greenfield**  
 Reece Co., E. F. (Adjustable  
 Expanding; Pipe; Solid;  
 Cutting) .....E  
 Warner Mfg. Co. ....C  
 Wells Bros. Co. (Pipe;  
 Cutting) .....A  
 Wells & Son, F. E. (Pipe;  
 Pipe Threading) .....B  
 Wiley & Russell Mfg. Co.  
 (& Stocks; Opening)....AA  
**MASS.—Lynn**  
 Lynn Die Co. ....X  
**MASS.—Mansfield**  
 Card Mfg. Co., S. W.  
 (Round Adjustable; Ex-  
 panding; Stocks) .....B  
**MASS.—New Bedford**  
 Morse Twist Drill & Ma-  
 chine Co. (Adjustable;  
 Expanding; Bolt Thread-  
 ing; Pipe; Screw Plate;  
 Stocks) .....AAA  
**MASS.—Waltham**  
 Ames & Co., B. C. (&  
 Punches) .....G  
 Waltham Machine Works  
 (& Punches) .....F  
**MASS.—Worcester**  
 Smith & Co., Thos. W.  
 (Press) .....D  
 Wilson & Smith (Cutting;  
 Stamping; Punching;  
 Press) .....D  
**MASS.—Wrentham**  
 Winter Bros. Co. (Solid  
 Square Bolt Threading;  
 Pipe; Die Stocks) .....E  
**MICH.—Detroit**  
 Detroit Brass & Iron Novel-  
 ty Co., 14 Atwater ....F  
 Skareen & Ericsson, 58 1st  
 (Cutting; Stamping) ....H  
 Voelkner & Reinke Mfg. Co.,  
 123 W. Woodbridge (Cut-  
 ting; Stamping) .....E  
**MICH.—Grand Rapids**  
 Grand Rapids Brass Co....A  
**MICH.—Kalamazoo**  
 Kalamazoo Fdy. & Machine  
 Co. (Cutting; Furring;  
 Forming) .....D  
**MICH.—Lansing**  
 Western Tool Co. ....F  
**MINN.—St. Paul**  
 N. W. Stamp Wks. (Wooden  
 Box Printing) .....E  
**MO.—St. Louis**  
 Columbia Novelty Mfg. Co.,  
 1537 N. B'way (Press)....D  
 Crescent Novelty Mfg. Co.,  
 703 S. B'way .....D  
 Fernholts Brick Machy. Co.,  
 Boyle & Manchester Aves.  
 (Brick; Clay Workers').E  
 Knight & Co., W. B., 1518  
 Olive .....F  
 Phillips Bros., 19 N. 2d...H  
 Ranz-Lambrecht Mfg. Co.,  
 522 Spruce (Cutting;

**DIES (Con.)**

Stamping) .....F  
 Swaine Co., Fred J. (Cut-  
 ting; Stamping; Forming;  
 Punching) .....E  
**N. J.—Bridgeton**  
 Ferracute Machine Co.  
 (Sheet Metal; Cutting;  
 Stamping) .....A  
**N. J.—Newark**  
 Burroughs Co., Chas., 148  
 Commerce .....C  
 Ohl & Co., Geo. A. (Press-  
 ing; Punching) .....B  
 Osborne & Co., O. S.  
 (Leather Cutting) .....B  
 Riley-Klots Mfg. Co., 17  
 Mulberry (Cutting;  
 Stamping) .....A  
 Rudman Iron Fdy. Co., 49  
 Hermon (Cutting; Stamp-  
 ing) .....F  
 Schlueter & Co., A., 34  
 Ward (Cutting; Stamp-  
 ing) .....E  
 Standard Machine Works, 61  
 N. J. R. B. Av. (Cutting;  
 Stamping) .....X  
 Stone, Thos. & Geo. M.,  
 Mulberry & Murray (Cut-  
 ting; Stamping) .....C  
**N. J.—Salem**  
 Ayars Machine Co. (for Can  
 Makers') .....B  
**N. J.—Trenton**  
 McFarland Fdy. & Machine  
 Co. (Wire Drawing)....E  
**N. Y.—Auburn**  
 Clapp Mfg. Co., E. D....A  
**N. Y.—Brooklyn**  
 Adriance Machine Works,  
 254 Van Brunt (Cutting;  
 Stamping; Embossing;  
 Pressing; Punching) ....A  
 Bliss Co., E. W., 19 Adams  
 (Adjustable Expanding;  
 Automatic; Blanking;  
 Cutting; Stamping; Em-  
 bossing; Pressing; Punch-  
 ing) .....AAAA  
 Chrome Steel Works, Kent  
 Av. & Keap (Chrome  
 Steel; Stencil) .....AAA  
 Hay-Budden Mfg. Co., 254  
 N. Henry (Press) .....B  
 Hibbard, Wm. H., 79  
 Washn. (Blanking; Com-  
 bination; Embossing;  
 Pressing; Punching; Wir-  
 ing) .....B  
 Leffler & Co., Chas., 63  
 Clymer (Cutting; Stamp-  
 ing; Adjustable Expand-  
 ing; Automatic; Blank-  
 ing; Cutting; Embossing;  
 Die Sinks; Pressing;  
 Punching) .....D  
 Standard Stamping & Die  
 Co. (Press) .....F  
 V. & O. Press Co. (Auto-  
 matic; Blanking; Emboss-  
 ing; Pressing; Punching;  
 Stamping) .....D  
 Williams & Co., J. H.  
 (Stamping) .....AA  
**N. Y.—Buffalo**  
 Diamond Saw & Stamping  
 Works, 357 7th .....D  
 Forsyth Mfg. Co., 308 Ter-  
 race .....C  
 Howard Iron Works ....AA  
 Niagara Machine & Tool  
 Works (Cutting; Stamp-  
 ing; Embossing; Forming;  
 Press; Punching; Blank-  
 ing) .....AAA  
 West Mfg. Co., 374 7th  
 (Tinners') .....D  
 White Co., L. & I. J. (Cut-  
 ting; Stamping) .....A  
**New York City**  
 Ashcroft Mfg. Co., 85 Lib-  
 erty (Pipe; Stocks) ....A  
 Bender & Sons, Ph. J., 87  
 Frankfort (Cutting; Em-  
 bossing; Stamping; Form-  
 ing) .....H  
 Eaton, Cole & Burnham Co.,

# DIES (Con.)

253 B'way (Pipe) .AAAA  
 Etna Mfg. Co. (Adjustable;  
 Expanding; Solid Bolt;  
 Solid Pipe) .....D  
 Fairbanks Co., 186 Elm (&  
 Stocks) .....AAAA  
 Hanan, Marcus (Boot; Shoe)  
 F  
 Lewthwaite, T. H., 142  
 Centre .....G  
 Loyd Co., Jno., 558 Water  
 (Leather Cutting) .....B  
 McCabe Hanger Mfg. Co.,  
 425 W. 25th .....C  
 Ness, Jr., Geo. M., 61 Ful-  
 ton (Embossing; Stencil  
 Cutting) .....G  
 Newton, J. W., 81 John  
 (Wire Drawing) .....X  
 New York Stencil Works  
 (Stencil) .....D  
 Niles - Bement - Pond Co.  
 AAAAA  
 Olden, Geoffrey J. (Boot;  
 Shoe) .....D  
 Peck, Stow & Wilcox Co.  
 (Cutting; Punching)  
 AAAAA  
 Steel Set Diamond Co., 275  
 Water (Wire Drawing;  
 Diamond) .....X  
 N. Y.—Oswego  
 Oswego Tool Co. (& Stocks;  
 Malleable Solid Die for  
 Pipe) .....C  
 N. Y.—Rochester  
 Clark Novelty Co., 380 Ex-  
 change .....D  
 Erdle & Schenck (Stamping)  
 D  
 N. Y.—Waterford  
 Holroyd & Co. (Bicycle,  
 &c.; Pipe; Stocks)....A  
 King & Co., J. M. (&  
 Stocks) .....A  
 N. Y.—Yonkers  
 Saunders' Sons, D. (Adjust-  
 able Expanding; Pipe;  
 Pipe Threading) .....A  
 N. O.—Statesville  
 Steele & Son, J. C. (Brick;  
 Clay Workers') .....C  
 OHIO—Buoyrus  
 American Clay Working  
 Machy. Co. (Brick; Clay  
 Workers'; Tile) .....B  
 OHIO—Canton  
 Canton Fdy. & Machine Co.  
 (for Metal Ceiling Work)  
 B  
 Canton Roll & Machine Co.  
 B  
 OHIO—Cincinnati  
 Cincinnati Screw & Tap Co.,  
 2442 Beekman (all kinds)  
 B  
 Cincinnati Specialty Mfg.  
 Co., 23 E. 3d .....G  
 Eagle Tool Co., 5th & Elm  
 E  
 Keene & Co., Geo. C., 502  
 E. Front (Cutting;  
 Stamping) .....F  
 Rapid Tool & Machine Co.,  
 814 B'way (& Tools)....X  
 Robinson Mfg. Co., J. M.,  
 2d & Central Av. ....B  
 Ross-Meyer Mfg. Co., 634  
 Sycamore (Leather Cut-  
 ting) .....A  
 Standard Die Co., 456 E.  
 2d. ....F  
 OHIO—Cleveland  
 Acme Machy. Co., Hamilton  
 & Belden (& Stocks; Ad-  
 justable; Opening; Ex-  
 panding) .....AA  
 Avery Stamping Co. (Cut-  
 ting; Stamping) .....A  
 Bardons & Oliver, Case Av.  
 & Hamilton .....A  
 Bultman & Co., F. H., 106  
 Canal .....F  
 Cleveland Galvanizing Wks.  
 (Cutting; Punching;  
 Stamping) .....B  
 Cleveland Punch & Shear  
 Works (Punching; Stamp-  
 ing) .....A

# DIES (Con.)

Cleveland Stamping & Tool  
 Co., cor. Hamilton & Coe  
 (Cutting; Press; Stamp-  
 ing; Blanking) .....C  
 Globe Machine & Stamping  
 Co., 970 Hamilton (Form-  
 ing; Punching; Blanking;  
 Die Sinkers; Stamping).E  
 Hart Mfg. Co., Wood & St.  
 Clair (& Stocks; Ratchet  
 Die Stocks) .....C  
 Konigslew & Bro., E., 184  
 Champlain (Cutting;  
 Stamping; Forming;  
 Punching) .....E  
 Oster Mfg. Co., 85 E. Pros-  
 pect (& Stocks) .....B  
 Reliance Machine & Tool  
 Co., 31 W. Center (Auto-  
 matic) .....C  
 Reserve Press Co. (Inc.),  
 83 Lake .....D  
 Standard Tool Co. ....AAA  
 OHIO—Mansfield  
 Humphreys Mfg. Co. ....A  
 OHIO—Springfield  
 Webster & Perks Tool Co.  
 (Cutting) .....D  
 OHIO—Staubenville  
 Means Fdy. & Machine Co.  
 (Brick; Clay Workers') .B  
 OHIO—Toledo  
 Heartley, G. W. (Sheet  
 Metal; Cutting; Forming;  
 also Tools) .....D  
 Toledo Machine & Tool Co.  
 (Sheet Metal Cutting;  
 Stamping) .....A  
 OHIO—Wellsville  
 Stevenson Co. (Brick; Clay  
 Workers') .....B  
 OHIO—Youngstown  
 Sennett Co., Geo. B. (Cut-  
 ting; Die Sinkers; Punch-  
 ing) .....A  
 PA.—Bloomsburg  
 Richards Mfg. Co. (Ltd.),  
 F. J. (Cutting; Stamping;  
 Press) .....C  
 PA.—Erie  
 Hollands Mfg. Co. (&  
 Stocks; Pipe) .....C  
 Jarecki Mfg. Co. (& Stocks;  
 Pipe Threading) .AAAA  
 Modern Tool Co. (Self-open-  
 ing Adjustable) .....E  
 PA.—Lancaster  
 Champion Blower & Forge  
 Co. (Blacksmiths') ....B  
 PA.—Millersburg  
 Brubaker & Bros., W. L.  
 (& Stocks; Pipe Thread-  
 ing) .....D  
 Polk & Son, A. J. (Bolt  
 Threading; Solid Pipe).D  
 PA.—Philadelphia  
 Chester Steel Casting Co.  
 AAA  
 Chesterman & Co., F. E.,  
 243 Arch (Cutting;  
 Stamping) .....D  
 Ellison Bros., 2218 Bridge  
 E  
 Falkenau-Sinclair Machine  
 Co., 109 N. 22d (Cutting;  
 Stamping; Press; Blank-  
 ing) .....B  
 Gordon, W. J., 225 Broad.C  
 Hoopes & Townsend Co.,  
 1330 Buttonwood .AAAA  
 Keystone Drop Forge Works,  
 19th & Clearfield .....B  
 Nack & Son, A., 240 S. 9th  
 F  
 Pancoast & Co., Hy. B., 243  
 S. 3d (& Stocks; Pipe  
 Threading) .....B  
 Philadelphia Machine Tool  
 Co., 445 N. Darien ....A  
 Philadelphia Roll & Machine  
 Co. (Chilled Cast Wire)  
 A  
 Storts & Son, Jno., 210 Vine  
 (Cutting; Punching) ...F  
 Wooten & Peckworth, 231  
 N. Front (Cutting;  
 Stamping) .....F  
 Wright Mfg. Co., H. T., 323

**DIES (Con.)**  
 Race (Cutting; Stamp- ing) .....E  
**PA.—Pittsburg**  
 Crucible Steel Co. of Amer- ica, Frick Bldg. (Drop Forging) .....AAAA  
 Matthews & Co., Jas. H. (Wooden Box) .....C  
 Pittsburg Mfg. Co., 28th & Railroad (Chilled Ham- mer) .....A  
 Sterrit-Thomas Fdy. Co., 32d & Smallman (Chilled Hammer) .....A  
 Tretheway & Co. (Ltd.) Samuel, 47th near Butler (Blanking; Press) .....F  
 Westmoreland Steel Co., 424 4th Av. (Wire Drawing) .....B  
**R. I.—Pawtucket**  
 Carpenter Tap & Die Co., J. M. (& Stocks; Adjust- able; Expanding) .....C  
 Pawtucket Mfg. Co. (& Stocks) .....A  
**R. I.—Providence**  
 Lange & Fischer .....X  
 Standard Machy. Co. (Ad- justable Expanding; Au- tomatic; Blanking; Cut- ting; Pressing; Punching; Stamping) .....A  
**VT.—Derby Line**  
 Butterfield & Co. (Screw Plate; Stocks) .....B  
**VT.—Springfield**  
 Jones & Lamson Machine Co. (Automatic) .....AA  
**W. VA.—Wheeling**  
 Wheeling Mold & Fdy. Co. A  
**WIS.—Milwaukee**  
 Milwaukee Automatic Ma- chine Co. (Punches; Tools) .....D  
 Krueger Mfg. Co., 463 Front G

## DIGESTORS

**MAINE.—Portland**  
 Portland Co. (Paper Mak- ing) .....AA  
**MASS.—Boston**  
 Atlantic Works .....AA  
**N. J.—Belleville**  
 Eastwood Wire Mfg. Co. (Paper Making) .....A  
**N. J.—Burlington**  
 Stewart & Peterson Co. (Paper Making) .....A  
**N. J.—Jersey City**  
 Smith & Sons' Co., Theo- dore, ft. of Essex .....A  
**N. J.—Phillipsburg**  
 Tippet & Wood .....B  
**N. Y.—Buffalo**  
 Dopp & Son, H. Wm. ....D  
**OHIO.—Cincinnati**  
 American Copper & Brass Works, 427 E. Front....A  
 Tudor Boiler Mfg. Co. (Pulp) .....B  
**PA.—Pittsburg**  
 Munroe & Son, R. (Paper Making) .....AA  
 Riter-Conley Mfg. Co. (Paper Making) .....AAA  
**PA.—Washington**  
 Petroleum Iron Works Co. (Pulp) .....A  
**PA.—York**  
 Dempwolf & Co., C. H. (Paper Making) .....A

## DIGGERS

See Agr. Implements

**CAL.—San Francisco**  
 Doble Co., Abner (Post Hole) .....A  
**ILL.—Chicago**  
 Eureka Digger Co. (Post Hole) .....F  
 Pratt Mfg. Co., Wm. E., 91 Lake (Post Hole)....B  
 Vaughan & Bushnell Mfg. Co. (Post Hole) .....B

## DIGGERS (Con.)

**ILL.—Ottawa**  
 Porter Co., J. E. (Post Hole) .....A  
**ILL.—Rockford**  
 Rockford Tack & Nail Co. (Post Hole) .....C  
**ILL.—Streator**  
 Iwan Bros. (Post Hole)...D  
**IND.—Indianapolis**  
 Tucker & Dorsey Mfg. Co. (Post Hole) .....A  
**IND.—Montpelier**  
 Jackson Shovel & Tool Co. (Earth; Post Hole) ....B  
**MO.—St. Louis**  
 Ludlow-Saylor Wire Co. (Post Hole) .....A  
**N. Y.—Elmira**  
 Cronk & Carrier Mfg. Co. (Post Hole) .....B  
**OHIO.—Akron**  
 Whitman & Barnes Mfg. Co. (Post Hole) .....AAAA  
**OHIO.—Canton**  
 Gibbs Mfg. Co. (Post Hole) A  
 Kohler & Co., F. E., 120 S. 4th (Post Hole) .....C  
 Ney Mfg. Co. (Post Hole).B  
**OHIO.—Cleveland**  
 Avery Stamping Co. (Post Hole) .....A  
**OHIO.—Mansfield**  
 Ohio Brass Co. (Post Hole) B  
**PA.—Pittsburg**  
 Klein-Logan Co., S. 13th & Breed (Post Hole) .....A  
 Oliver Iron & Steel Co. (Post Hole) .....AAAA  
**PA.—Tacony**  
 Disston & Sons (Inc.), Hy. (Post Hole) .....AAAA

## DIGITALIS

New York City  
 Hopkins & Co., J. L., 100 William .....A

## DILATORS

See also Rubber Goods

**OHIO.—Akron**  
 Akron Rubber Co. (Rubber) AAAA  
**R. I.—Providence**  
 Davol Rubber Co. ....AA

## DIMITIES

See Cotton Goods

## DIMMERS

**ILL.—Chicago**  
 Western Electric Co., 259 S. Clinton (Theatre) AAAA  
**MASS.—Boston**  
 Simplex Electrical Co., 75 Cornhill (Theatre) .....A  
 Ziegler Electric Co., 200 Summer (Theatre) ....B  
**N. Y.—Bronxville**  
 Ward Electric Co., Leonard (Theatre) .....B  
**OHIO.—Troy**  
 Ohio Electric Specialty Mfg. Co. (Theatre)....G  
**PA.—Philadelphia**  
 Wirt Electric Co., 4523 Ta- cony (Theatre) .....D  
**WIS.—Milwaukee**  
 Cutler-Hammer Mfg. Co. (Lamp) .....A

## DINGEYS

See Boats

## DI-OXIDE

**N. Y.—Newburgh**  
 Newburgh Ice Mach. & En- gine Co. (Sulphurous; Anhydrous) .....A

## DIPPERS

See Enamelled Ironware;  
Silverware; Tinware.

**CONN.—Meriden**  
Manning, Bowman & Co.  
(Enamelled) .....AA

**ILL.—Paxton**  
Paxton Hdw. Mfg. Co. ....X  
**KANS.—Coffeyville**  
Pioneer Flint Glass Co.  
(Glass) .....C

**MICH.—Bellaire**  
Richard & Bechtold (Wood-  
en Pickle) .....B

**MICH.—Kalkaska**  
Freeman Mfg. Co. (Grocers'  
Wooden; Wooden Pickle) .....B

**MO.—St. Louis**  
St. Louis Stamping Co.  
(Enamelled) .....AAAA

**N. H.—Henniker**  
Wilkins, Chas. A. (Wooden) .....F

**N. Y.—Albany**  
Hoy & Co. (Tin) .....A

**N. Y.—Buffalo**  
Aldrich Mfg. Co. (Copper) .....A

Shepard & Co., Sidney (Tin) .....AAAA

**New York City**  
Central Stamping Co. (Egg;  
Vegetable; Milk) .....A

Lalance & Grosjean Mfg. Co.  
(Enamelled) .....AAAA

Reilly Bros. ....D

Stoutenborough, X. (Copper;  
Egg; Vegetable; Milk) .....D

**N. Y.—Rome**  
Rome Mfg. Co. (Nickel  
Plated) .....B

**N. Y.—Troy**  
Troy Stamping Works (Tin) .....AAAA

**OHIO—Cincinnati**  
Bromwell Brush & Wire  
Goods Co. (Egg; Vege-  
table) .....AA

## DIPS

**MINN.—Minneapolis**  
Chemical Mfg. Co. (Sheep) .....X

**MO.—St. Louis**  
Nicotine Mfg. Co. (Sheep) .....X

**NEBR.—Omaha**  
Lee & Co., Geo. H. (Car-  
bolle) .....B

**N. C.—Wilmington**  
Spirittine Chemical Co.  
(Sheep) .....C

**WIS.—Cuba**  
Cuba City Remedy Co.  
(Sheep) .....F

## DISCS

**ILL.—Chicago**  
Crane Co. (Valve) .....AAAA

Johnston & Chapman Co.,  
1345 Carroll Av. (Arma-  
ture) .....B

**IND.—Evansville**  
Bernardin Bottle Cap Co.  
(Tin) .....B

**IND.—Indianapolis**  
Barry Saw & Supply Co., W.  
B. (Iron Cutting) .....D

Indianapolis Drop Forging  
Co. (Armature) .....X

**MASS.—Boston**  
Walworth Mfg. Co. (Valve) .....AAAA

**MASS.—Worcester**  
Wilson & Smith (Armature) .....D

**MICH.—Detroit**  
Buscoe Mfg. Co., 1427 Wood-  
ward Av. (Auto. Radia-  
tor) .....A

Detroit Oak Belting Co.  
(Valve; Leather) .....A

**MICH.—Port Huron**  
Draper Mfg. Co. (Brass  
Valve) .....D

## DISCS (Con.)

**N. Y.—Brooklyn**  
Bischoff, F. (Homoeopath-  
ic) .....B

**New York City**  
Empire Bottle Supply Co.,  
7 Murray (Paper Milk  
Bottle) .....E

Jenkins Bros. (Valve) .....AA

**N. Y.—Oneida**  
Smith-Lee Co. (Paper Milk  
Jar) .....A

**N. Y.—Potsdam**  
Thatcher Mfg. Co. (Paper  
Milk Bottle) .....A

**OHIO—Cleveland**  
Avery Stamping Co. (Arma-  
ture; Metallic) .....A

**PA.—Cheswick**  
Cheswick Mfg. Co. (Har-  
row; Flow) .....D

**PA.—Corry**  
Whittlesey & Sons, H. B.  
(Leather) .....B

**PA.—Philadelphia**  
Disston & Sons, Henry (Hot  
or Cold Iron Cutting) .....AAAA

## DISHES: (MIS- CELANEOUS

See also Chinaware; Glass-  
ware; Woodenware.

**CONN.—Meriden**  
International Silver Co.  
(Silver Plated) .....AA/A

Manning, Bowman & Co.  
(Baking; Butter; Chaf-  
ing; Meat; Pudding;  
Soap; Enamelled Soap;  
Enamelled Sponge; Enam-  
elled Vegetable) .....AA

Meriden Britannia Co.  
(Baking; Butter; Meat;  
Enamelled Sponge) .....AAAA

**CONN.—Wallingford**  
Wallace & Sons Mfg. Co.,  
R. (Butter; Chafing;  
Meat) .....AAAA

**CONN.—Winsted**  
Goodwin & Kintz Co. (Chaf-  
ing) .....B

**ILL.—Chicago**  
Barbee Wire & Iron Works  
(Pudding) .....B

**MASS.—Boston**  
Bailey & Co., C. J. (Rub-  
ber; Soap) .....B

**MO.—St. Louis**  
St. Louis Stamping Co.  
(Meat; Pudding; Soap;  
Enamelled Soap; Enamelled  
Vegetable) .....AAAA

**N. Y.—Brooklyn**  
Empire Silver Plate Co.,  
258 Washington .....X

Kreamer, A. (Soap) .....B

**New York City**  
New York Stamping Co.  
(Baking; Chafing) .....A

Sternau Co., S. (Soap) .....A

Sweeney Mfg. Co., W. H.  
(Chafing; Pudding) .....A

**N. Y.—Buffalo**  
Jewett Mfg. Co., Jno. C.  
(Baking; Chafing) .....AA

Shepard & Co., Sidney  
(Aluminum; Chafing) .....AAAA

**New York City**  
American Hard Rubber Co.  
(Rubber Soap) .....AAAA

Central Stamping Co. (Soap;  
Tin Soap) .....AA

Fiske Iron Works, J. W.  
(Iron; Soap) .....B

Gorham Mfg. Co. (Silver  
Plated) .....AAAA

International Silver Co.  
(Berry; Butter; Fruit;  
Meat; Chafing) .....AAAA

Lalance & Grosjean Co.  
(Chafing; Enamelled Soap;  
Enamelled Sponge; Enam-  
elled Vegetable) .....AAAA

Stoutenborough, X. (Soap;  
Iron; Tin Soap) .....D

**DISHES: MISC. (Con.)**  
**N. Y.—Rochester**  
 Rochester Stamping Co.  
 (Metal) .....AAA  
**OHIO—Cleveland**  
 Avery Stamping Co. (Soap)  
 B  
**OHIO—Columbus**  
 Columbus Brass Co. (Soap)  
 A  
**OHIO—Ravenna**  
 Williams, A. C. (Soap)...A  
**PA.—Erie**  
 Griswold Mfg. Co. (Alumi-  
 num; Chafing) .....A  
**PA.—Pittsburg**  
 Standard Mfg. Co. (Soap)  
 AA  
**PA.—Reading**  
 Reading Hdw. Co. (Soap)  
 AAAA  
**PA.—Wrightsville**  
 Wrightsville Hardware Co.  
 (Soap) .....B

## DISHES & PLATES

Wood; Paper; Butter; Lard,  
 etc.

**DEL.—Frankford**  
 Diamond Basket Co. (But-  
 ter Dishes, &c.; Wooden)  
 D

**ILL.—Chicago**  
 Sefton Mfg. Co., J. W.  
 (Wooden; Paper Dishes)  
 AAA

**IND.—Marion**  
 Economy Butter & Pie Plate  
 Co. (Pulp Plates) .....D

**MICH.—Escanaba**  
 Escanaba Wooden Ware Co.  
 (Wooden) .....A

**MICH.—Holland**  
 King & Co. (Inc.), C. L.  
 (Wooden) .....A

**MICH.—Saginaw**  
 Berst Mfg. Co. (Wooden).C  
**MICH.—St. Joseph**  
 Mullen Bros. (Paper Dishes)  
 C

**N. Y.—Black River**  
 Jefferson Paper Co. (Pulp  
 Plates) .....A

**N. Y.—Brooklyn**  
 Gair Co., Robert (Paper  
 Dishes) .....AAA  
 Tompkins & Tuttle (Wood-  
 en) .....C

**N. Y.—Newark**  
 Bloomer Bros. Co. (Paper  
 Dishes; Pulp Plates)...C  
 Drake, H. R. (Paper  
 Dishes) .....D

**New York City**  
 Fortgang, E. (Paper Dishes)  
 G

**McClusky, J. J., 248 Green-**  
 winch (Wooden) .....A

**Sanford Mfg. Co., W. F.**  
 (Paper; Wooden Dishes;  
 Pulp Plates) .....B

**N. Y.—Sandy Creek**  
 Sandy Creek Wood Mfg. Co.  
 (Ltd.) (Paper; Wood  
 Plates) .....A

**OHIO—Dayton**  
 Aull Bros. Paper & Box Co.  
 (Paper Dishes) .....B

**Dayton Paper Novelty Co.**  
 (Paper Dishes) .....C  
**Weston Paper & Mfg. Co.**  
 (Paper Dishes) .....B

**OHIO—Delta**  
 Oval Wood Dish Co. (Wood-  
 en) .....A

**VT.—Richford**  
 Manuel & Son, C. C. (Wood-  
 en) .....E

**VA.—Petersburg**  
 Southside Mfg. Co. (Wood-  
 en) .....C

**VA.—Richmond**  
 Richmond Cedar Works  
 (Wooden) .....AAAA

**DISHES & PLATES**  
**VA.—Suffolk**  
 Virginia Mfg. Co. (Wooden)  
 C

## DISINFECT-ANTS

**CONN.—Westport**  
 Embalmers' Supply Co....C  
**ILL.—Chicago**

Burch & Co., F. S.....D  
 Red Cross Hygienic Co., 243  
 S. Bobey .....D

West Disinfecting Co., 825  
 Wabash Av. ....B

**MASS.—Boston**  
 Egyptian Chemical Co....X  
 Jenkins Mfg. Co. ....X

**MASS.—Pittsfield**  
 Bromo Chloralum Co. ....D  
**MICH.—Detroit**

Parke, Davis & Co....AAAA  
 Zenner Disinfectant Co., 27  
 Bates .....B

**MICH.—Grand Rapids**  
 Durfee Embalming Fluid  
 Co. ....B

**N. J.—Kearney**  
 Cromwell-Walker Co. ....C  
**N. Y.—Brooklyn**

Coal Tar Products Co., 71  
 Commerce .....D  
 New York City

Dusenberry, H. C., 95 Gold  
 B  
 Fuerst Bros. & Co., 2 Stone  
 B

Platt, Henry B., 42 Cliff  
 (Chloride) .....B

Preservaline Mfg. Co., 41  
 Warren .....AA  
 Pulsford, A. J., 97 Water  
 F

Royal Lubricating Oil Co.,  
 116 Broad .....X  
 West Disinfecting Co., 26  
 E. 59th .....B

**N. Y.—Rochester**  
 Robachers' Disinfect. Co.,  
 77 Kenil Av. ....F

Rochester Germicide Co...F  
**N. Y.—Syracuse**  
 Syracuse Ext. Co. ....X

**OHIO—Cincinnati**  
 Thompson, Nuhling Chem.  
 Co., 907 Walnut .....F

Werner & Simonson, 9th &  
 Race .....F  
 West Disinfecting Co. (Inc.)  
 515 Main (Br.) .....B

**OHIO—Cleveland**  
 Atlantic Refining Co. ....A  
 Prescott Chem. Co., 1691  
 Pearl .....E

**PA.—Philadelphia**  
 Barrett Mfg. Co. ....AAAA  
 West Disinfecting Co., 262  
 N. 18th .....B

**S. C.—Summerville**  
 Summerville Fernoline Wks.  
 F

**WIS.—Milwaukee**  
 Delaney Oil & Lubricant Co.  
 X

Weller Mfg. Co. ....A

## DISINFECTORS

**New York City**  
 Hospital Supply Co. (Hos-  
 pital) .....A

Kny-Scheerer Co., 225 4th  
 Av. ....C

**PA.—Philadelphia**  
 American Aromatic Disin-  
 fector Co., 430 Walnut...B

Lents & Sons, Chas., 18 N.  
 11th .....A

## DISINTEGRATORS

See also Mills

**DEL.—Wilmington**  
 Walker & Elliott (Clay)...B  
**ILL.—Chicago**  
 Raymond Bros. Imp. Pul-

## DISINTEGRATORS

verizer Co. ....D  
Stroud & Co., H., 36 La  
Salle .....D  
IND.—Aurora  
Stedman's Fdy. & Machine  
Works (Clay) .....B  
IND.—Indianapolis  
Potts & Co., C. & A. (Clay)  
B  
Rockwood Mfg. Co. (Clay)  
A  
MICH.—Morenci  
Michigan Brick & Tile  
Mach. Co. (Clay) .....D  
MICH.—Tecumseh  
Brewer & Co., H. (Clay) ..B  
MO.—St. Louis  
Ross-Keller Triple Pressure  
Brick Machine Co., Ful-  
lerton Bldg. ....D  
N. Y.—Brooklyn  
Abbe Engineering Co. ....D  
Alaing & Co., J. B. ....X  
Houchin & Huber, 39 53d  
(Clay) .....D  
Ross & Son Co., Chas., 20  
Steuben .....D  
N. C.—Statesville  
Steel & Son, J. E. ....B  
OHIO—Buoyrus  
American Clay Working  
Machy. Co. (& Crushers  
Combined; Clay) .....X  
OHIO—Cincinnati  
Day Co., J. H., 1144 Harri-  
son Av. (Clay) .....A  
OHIO—Cleveland  
Standard Sand & Machine  
Co. (Sand) .....C  
OHIO—Columbus  
Jeffrey Mfg. Co. (Coal)  
AAAA

OHIO—Wellington  
Wellington Machine Co.  
(Clay) .....B  
PA.—Lancaster  
Martin Brick Machine Mfg.  
Co., Henry (Clay) .....B  
PA.—Philadelphia  
Campell, Peter F., 51 Laurel  
(Mill) .....D  
Paxson Co., J. W., 1021 N.  
Del. Av. (Sand) .....AA

## DISPENSERS

OHIO—Delphos  
Delphos Can Co. (Drug-  
gists') .....B

## DISPLAYERS

CONN.—Norwich  
Norwich Nickel & Brass Co.  
(Dry Goods) .....B  
N. Y.—Buffalo  
Du Mont Tool Co. (Dry  
Goods) .....X

## DISTILLERIES:

### WHISKEY

See Liquors

## DISTRIBU- TORS

See also Agr. Implements

IOWA—Ottumwa  
Ottumwa Iron Works (Coal)  
AA

MASS.—Boston  
Carters Ink Co. (Mucilage)  
A

New York City  
Davids Co., Thaddeus (Mu-  
cilage) .....C  
Stafford, S. S. (Mucilage)  
B

## DITCHERS

ILL.—Aurora  
Western Wheeled Scraper  
Co. (Grader; Loader Com-  
bined) .....AA

## DITCHERS (Con.)

ILL.—Harvey  
Austin Mfg. Co., F. C.  
(Railroad) .....AAA  
MINN.—Stephen  
Stockland, C. K. (Elevating  
Road) .....B  
N. Y.—Buffalo  
Contractors Plant Mfg. Co.  
(Railroad) .....B  
N. Y.—Oswego  
Kingsford Fdy. & Mach.  
Works .....AAAA  
OHIO—Carey  
Van Buren's Sons & Co., S.  
C. (Traction) .....X  
OHIO—Marion  
Marion Steam Shovel Co.  
(County; Railroad) .AAA  
PA.—Kennett Square  
American Road Machine Co.  
(Grader; Loader Com-  
bined) .....AA

## DIVANS

See Furniture

## DIVIDERS

See also Compasses

CONN.—Bridgeport  
Gaynor & Mitchell Mfg. Co.  
(& Brass Compasses) ....C  
CONN.—East River  
Munger & Son (Blackboard)  
O  
CONN.—New Haven  
Schollhorn Co., Wm. ....A  
CONN.—Southington  
Peck, Stow & Wilcox Co.  
(& Compasses, &c.)  
AAAA

MASS.—Athol  
Athol Machine Co. (Exten-  
sion Spring) .....B  
Starrett Co., L. S. (Exten-  
sion Spring; Combination)  
A

MASS.—Boston  
Johnson & Co., H. A.  
(Dough) .....A

MASS.—Chicopee Falls  
Stevens Arms & Tool Co., J.  
(& Compasses, &c.) .AAA

MASS.—Springfield  
Bemis & Call Hdw. & Tool  
Co. (& Compasses, &c.) .A

MASS.—Worcester  
Eagan, Thos. F. (Extension  
Spring) .....G  
N. Y.—Newark

Johnson, Wm. ....D  
Kracuter & Co., 577 18th  
Av. (& Compasses, &c.)  
X

Sayre & Co., L. A. ....B  
New York City

Keuffel & Esser Co., 127  
Fulton (& Compasses,  
&c.) .....AA

McAllister, T. H., 49 Nas-  
sau (& Compasses, &c.) .B

New York Silicate Book  
Slate Co., 68 Church  
(Blackboard) .....D

Soltmann, E. G., 125 E.  
42d (& Compasses, &c.) .B

Taylor & Lyon Co., 95 Cham-  
bers (& Compasses, &c.) .B  
N. Y.—Rochester

Taylor Bros. Co. (& Com-  
passes, &c.) .....AA

OHIO—Cincinnati  
Pfister, Herman, 423 Plum  
(& Compasses, &c.) ...E

PA.—Philadelphia  
Altoneder & Sons, Theo.,  
945 Ridge Av. ....D

Queen & Co. (Inc.), 1010  
Chestnut (& Compasses,  
&c.) .....AA

## DOBBIES

See also Machinery

CONN.—Stonington  
Atwood-Morrison Co. ....AA

**DOBBIES (Con.)**

**MASS.**—Readville  
Stafford Co., Gee. W. .... A  
**MASS.**—Taunton  
Mason Machine Works. .... AAA  
**MASS.**—Worcester  
Crompton-Thayer Loom Co. .... AAA  
Crompton & Knowles Loom  
Co. .... AAAA  
**N. J.**—Paterson  
Paterson Machine Wks. .... F  
Boyle & Sons, John .... A

**DOESKIN**

See Woolen Goods

**DOGS**

**CONN.**—Bridgeport  
Armstrong Mfg. Co. (Lathe) .... A  
**CONN.**—Hartford  
Billings & Spencer Co.  
(Drop Forged Clamp; Die;  
Lathe) .... AA  
Pratt & Whitney Co. (Drop  
Forged Lathe) .... AAAA  
**CONN.**—South Norwalk  
Le Count, Wm. G. (Bolt;  
Clamp; Heavy Steel  
Lathe; Straight Tail with  
Steel Screws) .... D  
**ILL.**—Chicago  
Allis-Chalmers Co. (Saw  
Mill) .... AAAA  
Armstrong Bros. Tool Co.,  
617 Austin Av. (Lathe;  
Clamp) .... B  
Barbee Wire & Iron Works  
(Iron) .... R  
Besly & Co., Chas. H.  
(Lathe) .... AA  
Mark Mfg. Co. (Lathe) .... AA  
**IND.**—Anderson  
Hill Tool Co. (Drop Forged  
Lathe) .... E  
**IND.**—Indianapolis  
Atkins & Co., E. C., 402 S.  
Illinois (Saw Mill) .... AAAA  
Chandler & Taylor Co. (Saw  
Mill) .... AA  
Rockwood Mfg. Co. (Saw  
Mill) .... A  
Sinker-Davis Co., 230 S.  
Missouri (Saw Mill) .... B  
**IND.**—Jefferson  
Indiana Chain Wks. (Chain;  
Ring) .... B  
**LA.**—Shreveport  
Henderson Iron Wks. Supply  
Co. (Saw Mill) .... AA  
**MAINE.**—Bangor  
Bangor Edge Tool Co. (Saw  
Mill) .... D  
**MD.**—Baltimore  
National Supply Co., 7 W.  
Lombard (Timber) .... B  
**MASS.**—Fitchburg  
Fitchburg Machine Wks.  
(Clamp; Die) .... B  
Putnam Machine Co. (Die) .... A  
**MICH.**—Bay City  
Garland Co., M. (Double  
Grind Saw Mill) .... C  
**MICH.**—Ewart  
Champion Tool & Handle  
Wks. (Rafting; Timber) .... AA  
**MICH.**—Saginaw  
Wickes Bros. (Saw Mill;  
Timber) .... AAAA  
**MINN.**—Minneapolis  
Howell & Co., R. R., 30th  
Av. & S. E 5th Saw Mill) .... B  
**MISS.**—Meridian  
Soule Steam Feed Wks.  
(Saw Mill) .... C  
**MO.**—St. Louis  
Fisher & Davis, 1024 N.  
Main (Saw Mill) .... B  
Zelnicker Supply Co., Wal-  
ter A., 408 N. 4th (Raft-  
ing; Chain; Ring; Saw  
Mill) .... X  
**N. J.**—Plainfield  
Pond Machine Tool Co.

**DOGS (Con.)**

(Lathe) .... AAAA  
**N. Y.**—Brooklyn  
Williams & Co., J. H., 9  
Richards (Dropped Forge  
Lathe; Milling Machine) .... AA  
**N. Y.**—Homer  
Phoenix Hdw. Mfg. Co.  
(Lathe) .... D  
**N. Y.**—Malone  
Hinds, Thos. (Saw Mill) .... D  
New York City  
Fairbanks Co., 416 Broome  
(Lathe) .... AAAA  
Niles-Bement-Pond Co., 186  
Liberty (Clamp; Lathe) .... AAAA  
**N. Y.**—Seneca Falls  
Seneca Falls Mfg. Co.  
(Clamp; Lathe) .... B  
**OHIO.**—Canton  
Canton Saw Co. (Saw Mill) .... C  
Knight Mfg. Co. (Saw Mill) .... B  
**OHIO.**—Cincinnati  
American Tool Wks. Co.  
(Drop Forged Lathe) .... AA  
Lane & Bodley Co. (Saw  
Mill) .... B  
**OHIO.**—Columbus  
Hayden-Corbett Chain Co.  
(Chain; Ring) .... A  
**PA.**—Allegheny  
Carlin's Sons Thomas  
(Stone) .... A  
**PA.**—Bennett  
Lippert, E. T. (Saw Mill) .... A  
**PA.**—Chester  
Chester Steel Castings Co.  
(Lathe) .... AA  
**PA.**—Erie  
Standard Saw Mill Machy.  
Co. (Saw Mill) .... B  
Stearns Mfg. Co. (Saw Mill) .... B  
**PA.**—New Castle  
New Castle Forge & Bolt Co.  
(Rafting; Chain; Ring;  
Timber) .... AA  
**PA.**—Philadelphia  
Bonney Vise & Tool Wks.,  
3015 Chestnut (Lathe) .... C  
**PA.**—Pittsburg  
Oliver Iron & Steel Co.  
(Timber) .... AAAA  
Standard Chain Co., Frick  
Bldg. (Timber; Ring;  
Chain) .... AAAA  
**VA.**—Richmond  
Old Dominion Iron & Nail  
Wks. Co. (Timber) .... AA  
**WIS.**—Eau Claire  
Phoenix Mfg. Co. (Saw  
Mill) .... A  
**WIS.**—Milwaukee  
Filer & Stowell Co., cor.  
Becher & Ziemer (Saw  
Mill) .... AAAA

**DOLLIES**

**ILL.**—Chicago  
Union Elevator & Machine  
Co., 144 Ontario (Lumber) .... C  
**MICH.**—Lansing  
Lansing Wheelbarrow Co.  
(Timber) .... AAAA  
**MICH.**—Saginaw  
Morley Bros. (Timber) .... AA  
**MINN.**—Minneapolis  
Clark Co., J. R. (Timber) .... B  
**MISS.**—Meridian  
Soule Steam Feed Wks.  
(Timber) .... C  
New York City  
Fairbanks Co. (Timber) .... AAAA  
**N. Y.**—Niagara  
Dobbie Fdry. & Machine Co.  
(Lumber) .... D  
**OHIO.**—Cleveland  
Gerlach Co., Peter (Tim-  
ber) .... A  
**OHIO.**—Columbus  
Wilbourne & Jacobs Mfg.



**DOLLIES (Con.)**  
Co. (Pipe; Timber).AAAA  
**PA.—Philadelphia**  
Disston & Sons, Henry  
(Saw Mill).....AAAA  
**PA.—Tarentum**  
Baker Mfg. Co., James H.  
(Timber).....AA  
**PA.—Waynesboro**  
Frick Co. (Saw Mill).AAAA  
**PA.—York**  
Farquhar Co., A. B. (Ltd.)  
(Saw Mill).....AAAA  
**TENN.—Chattanooga**  
Wheeland Machine Wks.  
(Saw Mill).....A  
**TENN.—Jackson**  
Southern Engine & Boiler  
Wks. (Inc.) (Saw Mill)  
AA

## DOLLS

N. J.—Jersey City  
Rucholi, Adolph.....E  
N. Y.—Brooklyn  
Hayward, S. M., 1104 Ful-  
ton (Rug).....F  
New York City  
American Doll & Toy Mfg.  
Co., 55 Great Jones....X  
Edison Mfg. Co. (Talking)  
A  
Fischer & Co., Alfred, 43  
W. 4th (Dresden Heads)  
D  
Mace & Co., L. H., 111 E.  
Houston.....B  
New York Rubber Co., 84  
Reade (Rubber).....AA  
**OHIO—Akron**  
Whitman & Barnes Mfg. Co.  
(Rubber).....AAAA

## DOMES

**ILL.—Chicago**  
Clinton, Hass Co., Morgan  
& 21st (Art Glass).....F  
New York City  
Husted, Henry, 74 Murray  
(Clock).....F  
**PA.—Pittsburg**  
Kratz & Co., W. N. (for  
Observatories).....D  
McCullough-Dalszell Crucible  
Co. ....A

## DOMETS

See Cotton Goods

## DOMINOES

See Games

## DONGOLA

See Leather

## DOORS

See also Woodwork

**ILL.—Aurora**  
Wilcox Mfg. Co. (Automatic  
Fire).....B  
**ILL.—Chicago**  
American Bronze Fdry. Co.,  
73d & Woodlawn Av.  
(Bronze).....D  
Bolter & Sons, A. (Iron)..B  
Braunmoeller & Son, Henry  
D. (Fireproof; Iron; Ash  
Pit; Jail).....B  
Burdett-Rowntree Mfg. Co.,  
76 W. Jackson Boul.  
(Hatch; Automatic, in  
case of fire only).....B  
Chicago Grain Door Co.,  
Monadnock Bldg. (Car).O  
Chicago Ornamental Iron Co.  
37th & Stewart Av.  
(Bronze).....C  
Dodge & Co., H. B., 108 La  
Salle (Winding; Sliding)  
D  
Gardner Sash Balance Co.,  
164 Dearborn (Elevating;  
Heavy Doors with Chain;  
Ball Bearing Pulleys)..O

**DOORS (Con.)**  
Jones Car Door Co., 234 La  
Salle (Car).....O  
Landon & Eggers, 103 S.  
Canal (Automatic Eleva-  
tor).....D  
McCord & Co., Old Colony  
Bldg. (Hopper).....B  
McGuire-Cummings Mfg. Co.  
122 N. Sagamore (Car;  
Freight Car; Grain Car)  
AA  
Natl. Railway Specialty Co.,  
Old Colony Bldg. (Car).D  
Smith Wire & Iron Wks. &  
Co., 100 Lake (Bronze).B  
Underwriters Hatch Door  
Co., 58 N. Jefferson (Au-  
tomatic Hatch; Electric  
Hatch, automatic in case  
of fire only).....B  
Variety Mfg. Co., 77 W.  
Lake (Automatic Eleva-  
tor; Folding).....D  
Winslow Bros. Co., 368 Car-  
roll Av. (Bronze).....AA  
**IND.—Goshen**  
I. X. L. & Goshen Pump  
Co. (Screen).....B  
**IND.—Indianapolis**  
American Car Door Co., In-  
galls Bldg. (Car).....X  
Sinker-Davis Co. (Ash Pit;  
Boiler; Furnace).....B  
**IND.—Richmond**  
Richmond Safety Gate Co.  
(Automatic Elevator)...O  
**IOWA—Des Moines**  
Central Iron Wks., Equit-  
able Bldg. (Automatic  
Elevator).....H  
**KY.—Newport**  
Higgin Mfg. Co. (Screen)  
A

**MAINE—Portland**  
Burrows & Co., E. T.  
(Screen).....AA  
**MASS.—Boston**  
Beckwith Elevator Co., 123  
Pearl (Automatic Eleva-  
tor; Automatic Hatch)..H  
Coffin Valve Co. (Iron)..D  
Murdoch Corp't (Bronze).X  
Stearns Lumber Co., A. T.  
(Cold Storage; Winding;  
Sliding; Car).....AA  
**MASS.—Cambridgeport**  
Kanuly Co., M. E. (Car).E  
**MASS.—Chicopee**  
Ames Foundries (Bronze).F  
Mosman, M. H. (Bronze).C  
**MASS.—Gardner**  
Heywood Bros. & Wake-  
field Co. (Swing).AAAA  
**MASS.—Holyoke**  
Coburn Trolley Track Mfg.  
Co. (Automatic Fire)...A  
**MASS.—Salem**  
Salem Elevator Wks. (Au-  
tomatic Hatch).....B  
**MASS.—Westfield**  
Smith Co., H. B. (Iron).AA  
**MASS.—Worcester**  
Wheeler Fdry. Co. (Ash Pit;  
Boiler).....D  
**MICH.—Detroit**  
Amos & Co., Chas. A., 94  
Larned (Bronze).....E  
Bolles Iron & Wire Wks.,  
J. E. (Iron; Vault; Ash  
Pit; Jail).....X  
Huebner Mfg. Co., 236 E.  
Front (Hardwood; Ven-  
eer).....D  
Vulcan Co. (Bronze).....F  
**MICH.—Fenton**  
Phillips Co., A. J. (Screen)  
A  
**MICH.—Grand Rapids**  
Grand Rapids Brass Co.  
(Vault).....A  
**MICH.—Three Rivers**  
Sheffield Car Door Co. (Car;  
Grain Car).....AAA  
**MINN.—Minneapolis**  
Fireproof Door Co. (Metal  
Covered).....B  
Lagerquist, Gust., 18 1st  
Av. (Automatic Hatch).E

# DOORS (Con.)

MO.—Kansas City  
Swearingen Mfg. Co. (Automatic Fire) .....X  
MO.—St. Louis  
Ludlow-Saylor Wire Co. (Iron) .....AA  
Standard Railway Equipment Co., Union Trust Bldg. (Car) .....D  
Western Railway Equipment Co., Union Trust Bldg. (Car) .....D  
N. J.—Newark  
Ohl & Co., Geo. A. (Iron; Steel) .....B  
N. Y.—Brooklyn  
Hecla Iron Wks., N. 11th & Berry (Bronze; Iron) AA  
Kleinschmitt & Co., K., 61 Noble (Mausoleum) ....E  
White Co., James, 446 Adelphi (Automatic Dumb Waiter) .....D  
N. Y.—Buffalo  
Buffalo Wire Wks. Co. (Screen) .....A  
Heiser, Wm. (Manhole)...C  
N. Y.—Cohoes  
Griffin & Son, A. J. (Screen) .....A  
N. Y.—Long Island City  
Richey, Browne & Donald (Bronze) .....A  
N. Y.—Medina  
Swett Iron Wks., A. L. (Ash Pit) .....A  
New York City  
Bardsley Bros., 147 Baxter (Automatic Elevator; Automatic Hatch) .....A  
Brodie & Co., Wm. H., 45 Vesey (Automatic Fire) E  
Cabaret & Co., Paul E., 342 W. 14th (Bronze)...D  
Cornell Co., J. B. & J. M. (Iron) .....AA  
Dimond, Thos. (Iron)....A  
Fiske Iron Works, J. W., 39 Park Pl. (Bronze) ....A  
Gorman Mfg. Co., Bdway. & 19th (Bronze).....AAAA  
Herring-Hall-Marvin Co. (Vault; Safe).....B  
Hubbard Portable Oven Co. (Oven) .....C  
Jackson Co., Wm. H., 29 E. 17th (Bronze; Iron; Safe) .....A  
Jackson & Bro., Edwin A., 50 Beekman (Ash Pit)...C  
Manhattan Brass Co., 338 E. 28th (Bronze)....AA  
Moseley Iron Bridge & Roofing Co. (Iron) .....B  
Mott Iron Wks., J. L., 84 Beekman (Bronze) ...AA  
Newhall, Henry B., 9 Murray (Automatic Fire; Folding) .....B  
Pitt Composite Iron Wks., Wm. R., 111 5th Av. (Iron; Glass Front; Vestibule) .....D  
Rapp, Jno. W., 156 5th Av. (Dumb Waiter Fireproof; Metal Covered) .....X  
Sedgwick Machine Wks., 110 Liberty (Automatic Hatch) .....D  
Union Equipment & Bronze Co., 514 W. 36th (Bronze) E  
Va. n Kannel Revolving Door Co., 524 E. 134th (Hardwood; Veneered Revolving; Revolving Fireproof) B  
Webb, J. R., 414 Bleecker (Automatic Dumb Waiter; Automatic Elevator; Automatic Hatch).....D  
Williams, Jno., 556 W. 27th (Bronze) .....B  
Wilson Mfg. Co., Jno. G., 8 W. 29th (Swing for Freight Sheds; Warehouses) .....A

# DOORS (Con.)

N. Y.—Foughkeepsie  
Lane Bros. Co. (Screen)...A  
N. Y.—Rochester  
Rochester Automatic Elevator Door Co., 291 Mill (Fire Proof Safety Fire) E  
N. Y.—Syracuse  
Edwards Co., O. M. (Car Ext. Platform Trap)...E  
N. Y.—Warsaw  
Warsaw Elevator Co. (Automatic Hatch) .....B  
OHIO—Ashtabula  
Barber Mfg. Co. (Ash Pit) O  
OHIO—Buoyrus  
American Clay Wkg. Machinery Co. (Brick Kiln) X  
OHIO—Canton  
Berger Mfg. Co. (Iron; Steel) .....AA  
Diebold Safe & Lock Co. (Vault; Safe; Jail)...AAA  
OHIO—Cincinnati  
Halls' Safe Co. (Vault; Safe) .....A  
Schreiber & Sons Co., L., 8th & Eggleston Av. (Steel Cellar; Bronze) AA  
Stewart Iron Wks. (Iron; Steel) .....A  
OHIO—Cleveland  
Forest City Steel & Iron Co. (Iron; Steel).....A  
Garry Iron & Steel Roofing Co. (Iron) .....A  
National Safe & Lock Co. (Vault) .....A  
Van Dorn Iron Wks. Co. (Iron; Jail; Cemetery Vault) .....AA  
OHIO—Columbus  
Kinnear Mfg. Co. (Folding; Fireproof; Steel Rolling; Warehouse) .....AA  
OHIO—Dayton  
Dayton Malleable Iron Co. (Car) .....AA  
OHIO—Galion  
Freese & Co., E. M. (Brick Kiln) .....A  
OHIO—Hamilton  
Macneale & Urban Co. (Vault) .....X  
Meyers Mfg. Co., Fred. J. (Iron; Steel) .....B  
Mosler Safe Co. (Vault; Safe; Cemetery Vault) AAAA  
OHIO—Kenton  
Champion Iron Co. (Iron) AA  
OHIO—Lancaster  
Eagle Machine Co. (Screen) A  
OHIO—New London  
Arnold, Creager Co., B. (Brick Kiln) .....B  
OHIO—Salem  
Mullins, W. H. (Copper Vault) .....A  
OHIO—Springfield  
Rogers Iron Co. (Ash Pit) B  
OHIO—Toledo  
Donovan Wire & Iron Co. (Iron; Steel) .....C  
Stevens, Benj. A. (Cold Storage) .....A  
PA.—Allegheny  
Riesack, P., Allegheny Av. & Rebecca (Cellar) ....C  
PA.—Chester  
Stevenson Co. (Ltd.) (Air; Fireproof Cold Storage) B  
PA.—Ellwood City  
Glen Mfg. Co. (Iron; Steel; Bronze) .....C  
PA.—Harrisburg  
Harrisburg Fdry. & Machine Wks. (Steel Cellar) ..AA  
PA.—Indiana  
Indiana Foundry Co. (Oven) O  
PA.—Lancaster  
Welchans, A. C., 202 W.

**DOORS (Con.)**

James (Automatic Hatch) **B**  
**PA.**—Mechanicsburg  
 Potts Mfg. Co. (Cellar; Steel) .....**E**  
**PA.**—Philadelphia  
 Bureau Bros., C., 21st & Allegheny Av. (Bronze) **D**  
 Darby & Sons, Edward (Screen) .....**A**  
 Merritt & Co., 1024 Ridge Av. (Steel Cellar) .....**B**  
 Morse, Williams & Co., West End Trust Bldg. (Automatic Dumb Waiter; Automatic Hatch) ...**AA**  
 Peters & Son, Jas., 1934 N. Front (Automatic Fire) **B**  
 Tacony Iron & Metal Co., Tacony (Bronze) .....**A**  
**PA.**—Pittsburg  
 Barnes Safe & Lock Co. (Vault; Safe) .....**X**  
 Hare Elevator Safety Device Co., 682 Penn. Av. (Automatic Elevator Fire) **X**  
 Lans & Sons, M. (Iron; Steel) .....**AA**  
 Scaife & Sons Co., Wm. B., 221 1st Av. (Steel Cellar) **AAA**  
**PA.**—Reading  
 Speidel, J. G., cor. Buttonwood & Gordon (Automatic Hatch) .....**B**  
**PA.**—South Bethlehem  
 Bethlehem Fdry. & Mach. Co. (Iron; Steel; Core Oven) .....**C**  
**PA.**—Wilkesbarre  
 Vulcan Iron Wks. (Iron; Boiler) .....**AAAA**  
**PA.**—York  
 York Safe & Lock Co. (Vault; Safe) .....**A**  
**TEXAS**—Terrell  
 Terrell Foundry & Machine Co. (Brick Kiln) .....**F**  
**WIS.**—Milwaukee  
 Automatic Elevator Door Co. 143 Ogden Av. (Automatic Elevator) .....**D**  
 Bayley & Sons Co., Wm. (Iron; Steel) .....**X**  
 Conway Veneered Door & Mantel Co., St. Paul & 20th (Hardwood; Veneered) .....**X**  
 Phenix Mfg. Co. (Screen) **F**  
 Willer Mfg. Co. (Screen) **A**  
**WIS.**—South Milwaukee  
 Stowell Mfg. & Fdry. Co. (Ash Pit) .....**A**

**DOUBLERS**

See also Machinery

**CONN.**—Stonington  
 Atwood-Morrison Co. ....**AA**  
**MASS.**—Lowell  
 Entwistle Co., T. C. ....**B**  
**MASS.**—Worcester  
 Curtis & Marble Machine Co. ....**A**  
 H. J.—Paterson  
 Eastwood Co., Benj. ....**A**  
 Paterson Machine Wks. ....**F**  
 Boyle & Sons, Jno. ....**A**  
 E. I.—Central Falls  
 Collins Bros. (Drum) ....**X**  
 E. I.—Providence  
 Textile Finishing Machy. Co. ....**AAAA**

**DOUBLE-TREES**

See Woodwork; Carriage, etc.

**DOUBLET**

See Jewelry

**DOUCHES**

**MASS.**—Andover  
 Tyler Rubber Co. (Nasal) **AA**  
**N. Y.**—Brooklyn  
 Gold-Burkam Co., 55 Bartlett (Nasal) .....**E**  
 New York City  
 Mattson Rubber Co. (Nasal) **B**  
**PA.**—Philadelphia  
 Physicians' Standard Supply Co., 125 N. Broad. ....**E**

**DOWELS**

**CONN.**—Bristol  
 Sessions & Son, J. H. (Trunk) .....**AAA**  
**CONN.**—Clinton  
 Kelsey, Horatio .....**E**  
**CONN.**—Collinsville  
 Hartigan, W. R. ....**H**  
**CONN.**—Mount Carmel  
 Woodruff & Sons, Walter W. ....**A**  
**CONN.**—New Britain  
 American Spring Needle Co. (Patternmakers') .....**X**  
 New Britain Hdw. Mfg. Co. (Patternmakers') .....**B**  
**CONN.**—New Haven  
 Dann Bros. & Co. ....**B**  
**IND.**—Richmond  
 Diamond Clamp & Flask Co. (W. N. Gartoide) (Patternmakers') .....**D**  
**IND.**—South Bend  
 Stephenson Mfg. Co. (Beaded) .....**B**  
**MAINE**—Ellsworth  
 Ellsworth Hardwood Co. (Rope; Reed; Plain) ...**E**  
**MAINE**—Hanover  
 Smith & Co., H. B. ....**F**  
**MICH.**—Bay City  
 Vansie Box Co. (Ltd.), E. J. **B**  
**N. J.**—Bound Brook  
 Timmis & Clissold (Patternmakers' Brass) .....**F**  
 New York City  
 Bogert & Hopper .....**B**  
 Estes & Sons, E. B. ....**AA**  
**OHIO**—Canton  
 Canton Fillett Co. ....**C**  
**PA.**—Pittsburg  
 Lanz & Sons, Mathew ....**B**  
**VA.**—Petersburg  
 South Side Mfg. Co. ....**C**

**DOWN**

See also Feathers

**CONN.**—Long Hills  
 Redcliffe, Chas. E. ....**F**  
**ILL.**—Chicago  
 Cold Blast Feather Co. ....**AA**  
 United States Feather Co., 300 S. Clinton .....**C**  
**MO.**—St. Louis  
 Scarritt-Comstock Furn. Co. **A**  
 New York City  
 Reineman, A. ....**D**

**DRAFT**

**CONN.**—Hartford  
 Hartford Blower Co. (Mechanical) .....**D**  
**ILL.**—Chicago  
 Andrews & Johnson Co., 256 Washn. Boul. (Mechanical) .....**D**  
 Miner Co., W. H., Bookery Bldg. (Gear) .....**C**  
**MD.**—Baltimore  
 Poole & Son Co., Robt. (Tubes) .....**A**  
**MASS.**—Boston  
 Sturtevant Co., B. F., 34 Oliver (Mechanical) **AA**  
**MASS.**—Hyde Park  
 Boston Blower Co. (Mechanical) .....**B**  
**MICH.**—Detroit  
 American Blower Co. (Me-

**DRAFT (Con.)**

chaucal).....AA  
**N. Y.—Buffalo**  
 Buffalo Forge Co. (Forced;  
 Exhaust; Mechanical) AA  
**OHIO—Dayton**  
 Dayton Malleable Iron Co.  
 (Gear, for Steel; Wooden  
 Cars).....AA  
**VT.—Fair Haven**  
 Dalrymple Iron Wks.  
 (Tuber).....F  
**WIS.—Milwaukee**  
 Natl. Blower Wks., 17th &  
 St. Paul Av. (Mechanical)  
 B

**DRAGS**

**KY.—Louisville**  
 Avery & Sons, B. F. AAA  
 Brennan & Co. ....A  
**MD.—Baltimore**  
 Friedenwald Bros., 216 N.  
 Holliday (Cellar).....D  
 Kemp Mfg. Co., C. N., 1501  
 Guilford Av. (Cellar)....B  
 Sinclair-Scott Mfg. Co. ....E  
**MASS.—Boston**  
 Edson Mfg. Co. (Ship)....E  
**MO.—St. Louis**  
 Nelson Mfg. Co., N. O.  
 (Cellar).....AAA  
**PA.—York**  
 Farquhar & Co., A. B. AAA  
**TENN.—Chattanooga**  
 Chattanooga Plow Co. ....A

**DRAINERS**

**CONN.—Meriden**  
 Manning, Bowman & Co.  
 (Br. Int. Silver Co.)  
 (Tumbler).....AAAA  
**ILL.—Chicago**  
 Barbee Wire & Iron Wks.  
 (Br. Lafayette, Ind.)  
 (Dish).....B  
 Erwin & Welch Hydraulic  
 Machy. Co., 37 S. Canal  
 (Cellar Automatic) ....B  
**ILL.—Paxton**  
 Paxton Hdw. Mfg. Co.  
 (Dish).....X  
**MD.—Baltimore**  
 Friedenwald Bros., 216 N.  
 Holliday (Cellar Automatic)  
 (Dish).....D  
 Kemp Mfg. Co., C. M., 1501  
 Guilford Av. (Cellar Automatic)  
 (Dish).....C  
**MASS.—Boston**  
 D'Este Co., Julian (Cellar)  
 (Dish).....D  
 Prescott, Edwin (Dish)....D  
 Stratter & Sons, Herman  
 (Tumbler).....A  
**MASS.—Lowell**  
 Woods, Sherwood & Co.  
 (Dish).....C  
**MASS.—Worcester**  
 Natl. Mfg. Co. (Tumbler)  
 (Dish).....B  
 Parker Wire Goods Co.  
 (Dish).....E  
 Wire Goods Co. (Dish)....B  
**N. Y.—Brooklyn**  
 Sweeney Mfg. Co., W. H.  
 (Tumbler).....A  
**N. Y.—Buffalo**  
 Jewett Mfg. Co., Jno. C.  
 (Tumbler).....AA  
 Western Wire Goods Co.  
 (Dish).....E  
**N. Y.—Cortland**  
 Wickwire Bros. (Dish)  
 AAAA  
**New York City**  
 Braender, Philip, 47 W.  
 125th (Cellar Automatic)  
 B  
 Lalance & Grosjean Mfg.  
 Co. (Tumbler).....AAAA  
**OHIO—Cincinnati**  
 Goldreich, Adolph (Bar)....F  
**OHIO—Cleveland**  
 Cleveland Stamping & Tool  
 Co. (Dish).....A  
**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred J.  
 (Dish).....B

**DRAINERS (Con.)**

**PA.—Philadelphia**  
 Darby & Sons, Edw., 233  
 Arch (Dish).....A  
 Hall & Co., Amos H.  
 (Papermakers') .....O  
**PA.—Pittsburg**  
 Standard Mfg. Co. (Dish)  
 AA

**DRAPERIES:  
UPHOLSTERY**

See Trimmings

**DRAWERS**

See also Underwear

**ILL.—Chicago**  
 Chicago Scale Co. (Money)  
 A  
**IND.—Indianapolis**  
 Tucker & Dorsey Mfg. Co.  
 (Money) .....A  
**MASS.—Cambridge**  
 Auld, Francis L. (Money) .D  
**N. H.—Nashua**  
 Wood, Egbert O. (Money) .D  
**New York City**  
 Stephens, Alfred, 258 W.  
 23th .....F  
**OHIO—Columbus**  
 Sun Mfg. Co. (Money)....A  
**R. I.—Providence**  
 Presbrey & Son Co., W. A.  
 (Alarm Money Till).....C

**DRAWHEADS**

**OHIO—Cleveland**  
 Atlas Bolt & Mfg. Co. (Car)  
 A

**DRAYS**

See Carriages & Wagons

**DREDGES**

See also Excavators; Machinery.

**CAL.—San Francisco**  
 Bisdon Iron & Locomotive  
 Wks., Stewart & Folsom  
 (Gold; Placer Mining)  
 AAA  
 Yeatman & Co., Jno. A., 13  
 1st (Gold; Placer Mining)  
 X  
**ILL.—Chicago**  
 Nicol & Co. (Flour) .....D  
 Shaw, Willis, N. Y. Life  
 Bldg. (Second Hand) ..D  
**MAINE—Portland**  
 Portland Co. ....AA  
**MD.—Baltimore**  
 Poole & Son Co., Robt.  
 (Steam) .....A  
**MICH.—Detroit**  
 Mitskum Co., M., Chamb. of  
 Com. Bldg. (Second Hand)  
 C  
**MO.—Kansas City**  
 Urle Boiler & Machine Co.,  
 607 W. 5th (Gold; Placer  
 Mining) .....B  
**N. J.—Garwood**  
 Beckley & Co., A. J. (Placer  
 Mining) .....D  
**N. J.—Newark**  
 Mundy, J. S. (Steam) ....A  
**N. Y.—Albany**  
 Osgood Dredge Co. (Broom)  
 A  
**N. Y.—Buffalo**  
 Buffalo Scale Co. (Flour)  
 AA  
**N. Y.—New York**  
 Morris & Cummings Dredg-  
 ing Co. ....X  
**OHIO—Marion**  
 Marion Steam Shovel Co.  
 (Gold; Placer Mining  
 Boom; Steam) .....AA  
**OHIO—Toledo**  
 Ohio Steam Shovel Co.  
 (Gold; Placer Mining) ..D  
**OREGON—Portland**  
 Hammond Mfg. Co., 100 1st  
 (Gold; Placer Mining) ..X  
**PA.—Erie**  
 Stearns Mfg. Co. ....AA

**DREDGES (Con.)**

**PA.**—Wilkesbarre  
Vulcan Iron Wks. (Steam) .....AAAA  
**WIS.**—Milwaukee  
Sheriff Mfg. Co. ....B  
**WIS.**—South Milwaukee  
Bucyrus Co. (Gold; Placer Mining) .....B

**DRESSERS**

See also Furniture

**CONN.**—Bridgeport  
Bridgeport Safety Emery Wheel Co. (Emery Wheel) .....F  
**CONN.**—New Britain  
New Britain Hdw. Mfg. Co. (Emery Wheel) .....B  
**CONN.**—Southington  
Southington Cutlery Co. (Emery Wheel) .....AA  
**CONN.**—Waterbury  
Blake & Johnson (Grindstone) .....A  
**ILL.**—Chicago  
Chicago Screw Co. (Emery Wheel) .....AA  
Chicago Wheel & Mfg. Co. (Emery Wheel) .....D  
Standard Screw Co., 2 N. Canal (Emery Wheel) ..E  
Walker & Ehrman Mfg. Co. (Emery Wheel) .....B  
Wrigley, Thos., 800 Dearborn (Emery Wheel) ..F  
**ILL.**—Edwardsville  
Bignall & Keeler Mfg. Co. (Emery Wheel) .....B  
**ILL.**—Moline  
Barnard & Leas Mfg. Co. (Flour) .....AA  
**IND.**—Indianapolis  
Nordyke & Marmon Co. (Flour) .....AAA  
**IND.**—New Albany  
New Albany Mfg. Co. (Stone) .....C  
**KANS.**—Enterprise  
Ehram Machine Co., J. B. (Flour) .....C  
**KANS.**—Leavenworth  
Great Western Mfg. Co. (Flour) .....AA  
**MD.**—Baltimore  
Poole & Son Co., Robt. (Grindstone) .....A  
**MASS.**—Boston  
Cutter, Wood & Stevens Co. (Emery Wheel) .....C  
Sewing Machine Supplies Co. (Emery Wheel) .....B  
**MASS.**—Leeds  
Northampton Emery Wheel Co. (Emery Wheel) ....A  
**MASS.**—Westfield  
Vitrified Wheel Co. (Emery Wheel) .....B  
**MASS.**—Whitinsville  
Whitin Machine Wks. (Cotton) .....AAAA  
**MASS.**—Worcester  
American Card Clothing Co. (Wool) .....AAA  
Bay State Stamping Co. (Emery Wheel) .....E  
Cleveland Machine Wks. (J. H. Whittle) (Cotton; Yarn) .....A  
Norton Emery Wheel Co. (Emery Wheel) .....AAA  
**MICH.**—Detroit  
Star Corundum Wheel Co. (Ltd.) (Emery Wheel) ..E  
**MICH.**—Grand Rapids  
Hayden & Co., J. M. (Emery Wheel) .....D  
**MICH.**—Ypsilanti  
Ypsilanti Machine Wks. (Flour) .....D  
**N. J.**—Elizabeth  
Braunsdorf-Mueller Co. (Emery Wheel) .....D  
**N. J.**—Newark  
Bernz, Otto, S. 13th Cor. S. Orange Av. (Bib Seat) ..B  
**N. Y.**—Buffalo  
Diamond Saw & Stamping Wks., 357 Seventh (Emery Wheel) .....D  
Noye Mfg. Co., Jno. T. (Flour) .....D  
Osgood, J. L. (Emery Wheel) .....D

**DRESSERS (Con.)**

**N. Y.**—Gloversville  
Curtin Herbert Mfg. Co. (Emery Wheel) .....D  
New York City  
Baylis Co., 140 Wash. (Emery Wheel) .....D  
Best, L. Emery Wheel) ..D  
Dickinson, Jno. (Est. of), 64 Nassau (Diamond Pointed Emery Wheel) .....B  
Dickinson, Thos. L., 45 Vesey (Emery Wheel) ..H  
Steel Set Diamond Co. (Emery Wheel) .....X  
Zucher & Levett & Loeb Co. (Emery Wheel) .....X  
**OHIO**—Cleveland  
Auld & Conger (Slate) ....A  
Globe Machine & Supply Co., 970 Hamilton (Emery Wheel) .....E  
Standard Tool Co. (Emery Wheel) .....AAA  
**OHIO**—Columbus  
Case Mfg. Co. (Flour) ..AA  
Columbus Bolt Wks., Randolph & Gorman (Emery Wheel) .....A  
Dayton Malleable Iron Co. (Emery Wheel) .....AA  
**OHIO**—Tiffin  
Sterling Emery Wheel Co. (Emery Wheel) .....B  
**OHIO**—Urbana  
Desmond-Stephan Mfg. Co. (Emery Wheel) .....D  
**PA.**—Erie  
Hollands Mfg. Co. (Emery Wheel) .....C  
Reed Mfg. Co. (Emery Wheel) .....B  
**PA.**—Lancaster  
Calder, Geo. H. (Emery Wheel) .....H  
Lancaster Peerless Emery Wheel Co. (Emery Wheel) .....B  
**PA.**—Muncy  
Sprout, Waldron & Co. (Flour) .....A  
**PA.**—Philadelphia  
Abrasive Material Co. (Emery Wheel) .....B  
Butterworth & Sons Co., H. W. (Wool) .....B  
Challenge Machine Co., 3223 Turner (Emery Wheel) ..D  
Furbush & Son Mach. Co., O. A. (Warp; Wool; Yarn) A  
Smith Woolen Mchry., Jas., 411 Race (Warp) .....A  
**PA.**—Stroudsburg  
Tanite Co. (Emery Wheel) ..E  
**R. I.**—Pawtucket  
Luther & Co., C. A. (Thread; Yarn) .....C  
**R. I.**—Providence  
American Emery Wheel Wks. (Emery Wheel) ..C  
Builders' Iron Foundry (Emery Wheel) .....AA  
Diamond Machine Co. (Emery Wheel) .....A  
Franklin Machine Co. (Yarn) A  
Textile Finishing Mchry. Co. (Warp) .....AAAA  
**WIS.**—Appleton  
Valley Iron Wks. Mfg. Co. (Stone) .....C  
**WIS.**—Beloit  
Berlin Machine Wks. (Timber) .....AAAA  
**WIS.**—Milwaukee  
Allis-Chalmers Co. (Flour) AAAA

**DRESSES**

See Clothing; Ladies.

**DRESSING**

See also Polish; Blacking.  
For Salad Dressing see Condiments & Relishes

**657 DRESSING**

**CAL.**—San Francisco  
Nason & Co., R. N., 115 Front (Wire Rope) .....A  
**CONN.**—Bridgeport  
Palmer & Co., N. (Oak Belt) B

**DRESSING (Con.)**

**CONN.—Hartford**  
Jewell Belting Co. (Belt) AAA

**ILL.—Chicago**

Arnstein, Eugene (Shoe)...A  
Bauer & Black (Antiseptic) A

Beltline Mfg. Co., 55 W. Jackson Boul. (Belt)...F

Blichert Mfg. Co., P. A. (Shoe)...C  
Carpenter Co., Geo. B. (Rope)...AA

Chicago Belting Co., 67 S. Canal (Belt)...A  
Kilby & Co., G. W. (Shoe) O

Leather Preserve Mfg. Corp., 27 W. Monroe (Belt)...D  
Martell Co. (Harness; Shoe) M

Munson Belting Co., Chas. (Belt)...B  
Reliance Shoe Polish Co. (Shoe)...G

Whitman & Barnes Mfg. Co., 60 S. Canal (Belt), AAAA

**ILL.—Rockford**

Sovereign Co., C. E. (Carriage Top; Harness)...O  
West Mfg. Co., L. M. (Carriage Top; Harness)...X

**IND.—Mishawaka**

Dodge Mfg. Co. (Rope) AAA  
**MASS.—Boston**

Baker & Co., Chas. F. (Shoe) B  
Boston Blacking Co. (Harness)...AA

Brown & Co., B. F. (Shoe) B  
Eagle Oil & Supply Co., 104 Broad (Belt)...D

Egyptian Chemical Co. (Harness)...X  
Hauthaway & Sons, Chas. L. (Harness; Shoe)...A

Richmond & Co., Chas. C. (Harness)...D  
Viscol Co., A., E. Cambridge (Belt; Harness; Leather; Shoe)...D

White Co., Saml. A. (Harness)...C  
Wood Co., Geo. H. (Shoe) O

**MASS.—Cambridge**

Sawyer Belting Co. (Belt, for Leather or Canvas), C  
Whittemore Bros. & Co. (Leather; Shoe)...AA

**MASS.—New Bedford**

Nye, Wm. F. (Harness)...A  
**MASS.—Springfield**

Young, W. F. (Hoof)...D  
**MASS.—Watertown**

Waterproof Paint Co. (Belt) E  
**MASS.—Worcester**

Hudson Belting Co. (Belt) B  
White & Bagley Co. (Belt) O

**MICH.—Detroit**

Acme White Lead Wks. (Carriage Top)...AAA  
Detroit White Lead Wks. (Carriage Top)...AAA

**MICH.—Grand Rapids**

Hayden & Co., J. M. (Belt) E  
**MO.—St. Louis**

Leschen & Sons Rope Co., A., 920 N. 1st (Rope) AAA  
Shultz Belting Co., 402 Barton (Belt)...AA

**N. H.—Concord**

Page Belting Co. (Belt; Leather)...A  
**N. J.—Jersey City**

Dixon Crucible Co., Jos. (Belt)...AAA  
Gillespie & Sons, Chas. H. (Carriage Top)...B

**N. J.—Lincoln**

Franklin Co. (Belt)...G  
**N. J.—Newark**

American Oil Supply Co. (Hoof)...B  
Peters' Harness & Saddlery Co. (Harness)...C

Porsch Mfg. Co., 6 Lum (Leather for Bag, Cases, etc.)...G  
Rossendale-Reddaway Belting & Hose Co. (Belt)...A

**DRESSING (Con.)**

**N. J.—New Brunswick**  
Johnson & Johnson (Inc.) (Antiseptic)...AAAA

**N. Y.—Albany**

Stephenson Mfg. Co. (Bar Belt)...D  
**N. Y.—Buffalo**

Buffalo Specialty Mfg. Co., 375 Ellicott (Belt)...B  
Cling-Surface Mfg. Co., 146 Virginia (Belt)...D

**N. Y.—New York City**

Beldon & Co., A. G., 145 Maiden Lane (Belt)...O  
Birby & Co., S. M. (Shoe) B

Bradford Belting Co., 88 Dey (Belt)...A  
Callahan & Co., Geo., 218 Front (Belt)...F

Cowles & Co., 231 Fulton (Belt; Shoe)...D  
Fay Belting Co., 8 Jacob (Belt)...D

Galloway, G. W., 322 Pearl O  
Gerstendorfer Bros., 235 E. 42d (Carriage Top)...B

Hunt Co., C. W., 45 Bway. (Rope)...AA  
Loeb Bros., Leather Belting Co., 38 Ferry (Belt)...D

Miller Co., Frank (Carriage Top; Harness; Hoof; Shoe)...A  
New York Mfg. Co., 88 Park Row (Belt)...F

Post & Co., E. L., 50 Cliff (Belt)...X  
Restorff & Bettman (Leather; Shoe)...B

Royal Lubricating Co., 116 Broad (Harness)...X  
Schieren & Co., Chas. A., 45 Ferry (Belt)...AAAA

Seabury & Johnson (Antiseptic)...AA  
Southwick Co. (Inc.), Geo. W., 149 Centre (Belt)...M

Wolff, Norbert, 14 Jay (Belt)...F  
**N. Y.—Palmyra**

Garlock Packing Co. (Belt) A  
**N. Y.—Rochester**

Rochester Chemical Co. (Harness)...O  
**N. Y.—Syracuse**

Baums Castorine Co. (Carriage Top)...X  
**N. Y.—Tonawanda**

Talismanic Co. (Belt)...D  
**N. Y.—Troy**

Barnum Bros. Co. (Belt)...E  
**OHIO—Akron**

Akron Belting Co. (Belt)...B  
Whitman & Barnes Mfg. Co. (Belt)...AAAA

**OHIO—Cincinnati**  
Atkins & Pearce Mfg. Co., 5th & Eggleston (Belt)...D

**OHIO—Cleveland**  
Plomo Specialty Mfg. Co. (Belt)...D

Smith Fdry. Supply Co., J. D. (Pattern)...D  
**OHIO—Columbus**

Ironsides Co., The Wyandotte (Belt)...O  
**OHIO—Toledo**

Allen Mfg. Co. (Hoof)...X  
**OHIO—Youngstown**

American Belting Co. (Belt) O  
**PA.—Allentown**

Garnet Belt Dressing Co. (Liquid; Bar Belt)...B  
**PA.—Easton**

World Refining Co. (Carriage Top; Hoof; Belt; Shoe)...X  
**PA.—Philadelphia**

Continental Mfg. Co. (Shoe) D  
Diamond, McDonnell & Co. (Shoe)...D

Eclipse Cement & Blacking Co., 1238 Belmont Av. (Harness; Leather; Shoe) O  
Estweiler, Wm., 230 N. 3d (Belt)...O

Felton, Sibley & Co., 136 N. 4th (Carriage Top)...AAA  
Gold, Walter C., 235 Race

**DRESSING (Con.)**

(Belt) .....E  
 Harkinson & Co., Robert  
 (Leather) .....D  
 Houghton & Co., E. F., 240  
 W. Somerset (Belt) ....B  
 Imperial Leather Preserve  
 Mfg. Co., 212 S. 3d (Belt)  
 C  
 Keystone Lubricating Co.,  
 20th & Allegheny Av.  
 (Grease Belt) .....X  
 Link Belt Engineering Co.  
 (Rope) .....AA  
 Mason & Co., Jas. S. (Shoe)  
 A  
 Mulford Co., H. K. (Antiseptic)  
 .....AAA  
 Nice, Eugene E. (Canvas  
 Oil) .....A  
 Rhoads & Son, J. E., 239  
 Market (Belt) .....A  
 PA.—Pittsburg  
 Feick Bros. Co. (Antiseptic)  
 D  
 Pittsburg Rubber & Leather  
 PA.—Reading  
 Wilhelm Co., A. (Belt)  
 AA  
 R. I.—Providence  
 Amer. Oil Co. (Belt)....B  
 Providence Oil W'ks  
 (Belt) .....B  
 WASH.—Seattle  
 Tolson & Co., R. B.  
 (Belt) .....F  
 WIS.—Menasha  
 Little Pulley Coating Co.,  
 O. C. (Softener; Preserver  
 for Rubber; Canvas Belts)  
 D  
 WIS.—Milwaukee  
 Delaney Oil Lubricant Co.  
 45 Third (Belt).....D

**DRIERS**

See Dryers

**DRIFTS**

CONN.—Plantville  
 Blakeslee Forging Co. (Key)  
 B

**DRILLS**

See also Machinery; Cotton Goods; Agr. Implements.

CAL.—San Francisco  
 Compressed Air Machy. Co.  
 (Compressed Air; Rock;  
 Steam) .....E  
 Doble Co., Abner (Steam  
 Stone) .....A  
 Rix Compressed Air & Drill  
 Co., 896 Mission (Com-  
 pressed Air) .....D  
 San Frans. Tool Wks., 27  
 Stevenson (Automatic)...F  
 Union Iron Wks., 222 Mar-  
 ket (Rock steam) .AAAA  
 COLO.—Denver  
 Denver Engineering Wks.  
 Co. (Electric 'Box' non-  
 flexible Shaft) .....A  
 Jackson Drill & Mfg. Co.,  
 1756 Larimer (Rock  
 Hand) .....D  
 Leyner Engineering Wks  
 Co., J. Geo. (Compressed  
 Air) .....D  
 Mine & Smeltter Supply Co.  
 (Electric Rock) .....AAA  
 CONN.—Bridgeport  
 Curtis & Curtis Co. (Rat-  
 chet, Flat; Pipe).....A  
 Fray & Co., Jno. S. (Breast;  
 Hand) .....C  
 CONN.—Bristol  
 Bartholomew, H. S.  
 (Breast) .....B  
 Turner & Deegan (Breast)  
 E  
 CONN.—Collinsville  
 Collins & Co. (Stone) AAAA  
 CONN.—Hartford  
 Billings & Spencer Co. (Rat-  
 chet, Flat; Pipe).....A  
 Dwight Slate Machine Co.  
 (Automatic; Bench; Mul-  
 tiple Spindle; Sensitive  
 Self Feeding) .....C  
 Fenn-Sadler Machine Co.  
 (Four Spindle Adjustable

**DRILLS (Con.)**

Hand; Multiple).....F  
 Pratt & Whitney Co. (Auto-  
 matic; Blacksmith's;  
 Gang; Multiple Spindle;  
 Rail; Railway Track; Rat-  
 chet, Flat; Pipe; Sensi-  
 tive; Traverse; Upright;  
 Taps, Pipe; Bench; Bicy-  
 cle) .....AAAA  
 Quint, A. D. (Turrent)....D  
 Sidowney Tool Co. (Bench;  
 Multiple Spindle; Upright;  
 Self-Feeding; Sensitive) A  
 Woodward & Rogers Co.  
 (Multiple Spindle; Sensi-  
 tive) .....D  
 CONN.—Meriden  
 Parker Co., Chas. (Ratchet  
 Flat; Pipe; Geared)  
 AAAA  
 CONN.—New Haven  
 Geometric Drill Co. (Geome-  
 tric; Collapsible Tap) ..C  
 New Haven Mfg. Co. (Su-  
 spension; Upright with  
 Automatic Power Feed)  
 AA  
 Shuster Co., F. B. (Multiple  
 Spindle) .....X  
 CONN.—Oakville  
 Smith & Son, Seymour  
 (Breast) .....D  
 CONN.—Plainville  
 Norton & Jones Machine  
 Tool Wks. (Automatic  
 Power Feed Multiple  
 Spindles; Sensitive; Up-  
 right) .....F  
 CONN.—Seymour  
 Swan Co., Jas (Twist)...A  
 CONN.—Southington  
 Peck, Stow & Wilcox Co.  
 (Blacksmith's; Breast;  
 Ratchet, Flat; Pipe; Gear-  
 ed) .....AAAA  
 CONN.—Waterbury  
 Cross & Spiers Machine Co.  
 (Gang; Upright) .....D  
 Waterbury Tool Co. (Rat-  
 chet, Flat; Pipe) .....F  
 DEL.—Wilmington  
 Betts Machine Co. (Radial)  
 A  
 GA.—Atlanta  
 May & Spalding (Rock)...B  
 ILL.—Bellefonte  
 Belleville Pump & Skein  
 Wks. (Rock, Steam)....A  
 ILL.—Carpentersville  
 Illinois Iron & Bolt Co.  
 (Blacksmith's Horizontal  
 & Upright; Hand; Post)  
 AA  
 ILL.—Chicago  
 Allis-Chalmers Co., Home  
 Ins. Bldg. (Rock Steam)  
 AAAA  
 Armstrong Bros. Tool Co.,  
 617 Austin Av. (Ratchet  
 Flat; Pipe) .....C  
 Austin Mfg. Co., Manhattan  
 Bldg (Artesian Well)  
 AAA  
 Chicago Flexible Shaft Co.,  
 La Salle Av. & Ontario  
 (Flexible Shaft; Hand;  
 Portable) .....B  
 Chicago Pneumatic Tool Co.,  
 Fisher Bldg. (Pneumatic  
 Rock) .....AAAA  
 Chicago Screw Co. (Taps,  
 Pipe) .....AA  
 Contractor's Supply &  
 Equipment Co., 232—5th  
 Av. (Compressed Air;  
 Rock Steam) .....C  
 Fairbanks, Morse & Co.,  
 Franklin & Monroe (Self-  
 Feeding Rail; Railway  
 Track) .....AAAA  
 Goodman Mfg. Co., Halstead  
 & 48th Pl. (Electric)...A  
 Harding Bros., 1036 Lin-  
 coln Av. (Sensitive)....C  
 Helms & Bro., J. F., 82  
 S. Jeff'n (Sensitive)...E  
 Link—Belt Machine Co.  
 (Coal, Auger Type)....A  
 Lovejoy, T. H., 90 Ohio  
 (Railway Track).....G  
 Morgan-Gardner Elec. Co.,  
 2632 Shields Av. (Elec-  
 tric) .....AA  
 Pettibone, Mulliken & Co.,

**DRILLS (Con.)**

204 Dearborn (Railway Track) .....A  
 Railway Appliance Co., Old Colony Bldg (Pneumatic; Railway Track) .....A  
 Schuttler Ratchet Drill Co., 242 W. Lake (Railway Track; Ratchet, Flat; Pipe) .....D  
 Shaw, Willis, N. Y. Life Bldg. (Rock Steam).....D  
 Standard Diamond Drill Co., Monadnock Bldg., (Core Capacity 350 to 6000 ft.) .....U  
 Standard Screw Co., 2 N. Canal (Taps, Pipe) AAAAA  
 Sullivan Machy. Co., 33 Adams (Core; Prospecting, Hand or Power; Rock Steam) .....AAA  
**ILL.—Downers Grove**  
 Dicke Tool Co. (Hollow; Jamper Brick) .....C  
**ILL.—Edwardsville**  
 Bignall & Keeler Mfg. Co. (Ratchet) .....B  
**ILL.—Evanston**  
 Mark Mfg. Co. (Expansion) AA  
**ILL.—Freeport**  
 Hoefer Mfg. Co. (Automatic; Bench; Gang; Upright; Multiple; Vertical; Multiple Spindle) .....D  
**ILL.—Harvey**  
 Buda F'dry & Mfg. Co. (Br. Chicago, Ill) (Railway Track) .....A  
**ILL.—Moline**  
 Moline Tool Co. (Gang) ..D  
 Williams, White & Co. (Multiple Spindle) .....A  
**ILL.—Ottawa**  
 Porter Co., J. E. (Hand; Ratchet) .....A  
**ILL.—Rockford**  
 Barnes Co., B. F. (Bench Multiple Spindle; Sensitive; Hand & Foot Power Upright; Horizontal; Vertical) .....B  
 Barnes & Co., W. F. & Jno. (Bend; Multiple Spindle; Sensitive; Upright; Bench; Radial; Self-Feeding; Bicycle) .....AA  
 Forest City Bit & Tool Co. (Bit Stock; Wood Boring Brace; Wood Boring) ..C  
 Mechanics Machine Co. (Vertical) .....E  
**ILL.—Streator**  
 Iwan Bros. (Hand Coal) ..D  
**IND.—Aurora**  
 Aurora Tool Wks. (Boiler-maker's; Radial; Upright) .....C  
**IND.—Elkhart**  
 Buescher Mfg. Co. (Sensitive) .....C  
**IND.—Indianapolis**  
 Everitt, J. A. (Hand) ....B  
**IND.—South Bend**  
 Sibley & Ware (Sensitive; Upright) .....A  
**KY.—Louisville**  
 Clarke, Jr. & Co., Jas. (Electric) .....C  
**MAINE—Dexter**  
 Fay & Scott (Upright) ...C  
**MD.—Baltimore**  
 Detrick & Harvey Machine Co. (Radial; Universal; Boiler Shell; Horizontal) AA  
**MASS.—Boston**  
 Harvey, H. H. (Bow; Machine Bit; Stone) ....B  
 Walworth Mfg. Co., 132 Federal (Railway Track) AAAAA  
**MASS.—Fitchburg**  
 Fitchburg Machine Wks. (Gang; Traverse; Upright; Radial; Self-Feeding; Special) .....A  
 Putnam Machine Co. (Radial; Tan; Traverse; Goose-neck; Increase Twist) ..A  
**MASS.—Greenfield**  
 Goodell-Pratt Co. (Automatic; Bench; Breast; Hand; Ratchet; Tap;

**DRILLS (Con.)**

Twist) .....B  
 Wells Bros. & Co. (Blacksmith's; Automatic) ...A  
 Wiley & Russell Mfg. Co. (Automatic; Fluted; Blacksmith's Hand; Post) AA  
**MASS.—Lowell**  
 Upton & Gilman (Hand, with Screw Feed & Chain attachment) .....D  
**MASS.—Miller's Falls**  
 Miller's Falls Co. (Breast; Hand; Rail; Railway Track; Ratchet, Flat & Pipe; Automatic; Bench) AA  
**MASS.—New Bedford**  
 Morse Twist Drill & Machine Co. (Bit Stock; Blacksmith's; Hand; Hollow; Ratchet, Flat; Pipe; Taps, Pipe; Twist; for Ratchets; Increase Twist; Shank; Taper Shank; Straightway; Bit Brace; Combination Center Fluted; Oil; Tap) .....AAA  
**MASS.—North Adams**  
 Hunter Machine Co., Jas. (Hand; Ratchet, Flat; Pipe) .....A  
**MASS.—Pittsfield**  
 Jones & Sons Co., E. D. (Hand; Railway Track; Ratchet) .....B  
**MASS.—Shelburne Falls**  
 Mayhew Co., H. H. (Bit Stock; Twist; Wood Boring Brace) .....C  
**MASS.—Springfield**  
 Baush Machine Tool Co. (Automatic; Multiple Spindle; Radial; Suspension; Universal; Self Feeding) .....B  
**MASS.—Taunton**  
 New Process Twist Drill Co. (Blacksmith's; Ratchet Flat; Pipe; Tap; Twist; Straightway; Wire Gauge) .....E  
**MASS.—Webster**  
 Barr & Co., Henry G. (Multiple Spindle; Sensitive; Spindle Upright; Bench; Geared; Vertical) .....D  
 Blaisdell & Co., P. (Traverse; Upright; Goose-neck; Self-Feeding; Bicycle; Multiple; Electric Driven; Vertical) .....A  
 Boynton & Plummer (Blacksmith's; Upright; Bench; Breast; Hand; Horizontal; Post; Rail; Vertical; Clamp; Horizontal) ....B  
 Fish Machine Wks Co., H. S. (Radial) .....D  
 Prentice Bros. Co. (Automatic; Boiler-maker's; Boiler Shell; Gang; Hand; Multiple Spindle; Radial; Suspension; Upright) ..A  
 Prescott & son, J. B. (Blacksmith's) .....C  
 Reed Co., Francis (Bench; Blacksmith's; Clamp; Hand; Multiple Spindle; Portable; Rail; Railway Track; Sensitive; Upright; Automatic; Vertical; Post) .....D  
 Snyder, J. E. (Gang; Portable; Upright) .....C  
**MASS.—Wrentham**  
 Winter Bros. Co. (Tap; Twist) .....E  
**MICH.—Bay City**  
 Industrial Wks. (Rail) ..AA  
**MICH.—Detroit**  
 Anderson & Sons, W. H. (Ratchet, Flat; Pine) ..C  
 Detroit, Twist Drill Co. (Twist; Wood Boring Brace; Wood Boring) ..C  
**MICH.—Grand Rapids**  
 Fox Machine Co., 127 N. Front (Multiple Spindle; Sensitive; Upright; Bicycle; Vertical) .....X  
**MICH.—Kalamazoo**  
 Kalamazoo Railway Supply Co. (Railway Track) ....B



**DRILLS (Con.)**  
**MICH.—Saginaw**  
Wickes Bros. (Rock) ..AA  
**MICH.—Three Rivers**  
Sheffield Car Co. (Rail) .AA  
**MICH.—Ypsilanti**  
Michigan Mehry. Mfg. Co.  
(Railway Track) .....AA  
**MINN.—St. Paul**  
Helwig Mfg. Co., Natl. Ger-  
man-Amer. Bldg. (Pneu-  
matic; Reversible; Port-  
able) .....F  
**MO.—Kansas City**  
Weber Gas & Gasoline En-  
gine Co., (Electric Driven) B  
**MO.—St. Louis**  
Ellison & Sons Mfg. Co.,  
Wm., 1018 N. 6th (Core) B  
Handlan-Buck Mfg. Co., 212  
N. 3rd (Self-Feeding Rail-  
way Track) .....AA  
Pleuger & Henger Mfg. Co.,  
11th & Hebert (Black-  
smiths'; Tire) .....A  
St. Louis Machine Tool Co.,  
1114 S. 8th (Bench; Sensi-  
tive) .....X  
St. Louis Screw Co., 3017 N.  
13th (& Taps; Pipe) ..A  
Standard Railway Equip-  
ment Co., Union Trust  
Bldg. (Breast; Hand;  
Pneumatic) .....D  
**MONT.—Butte**  
Western Electric Drill Co.  
(Electric Rock) .....B  
**N. H.—Manchester**  
Forsyth Machine Co., S. C.,  
(Radial; Suspension) ..X  
**N. H.—Tilton**  
Lord Bros. Mfg. Co. (Sensi-  
tive) .....B  
**N. J.—Elizabeth**  
Braunsdorf-Muller Co. (Star;  
Brick; Cement; Stone) .D  
**N. J.—Gloucester City**  
Rogers Boat Gauge & Drill  
Wks., J. M. (Compressed  
Air; Rock Steam) .....B  
**N. J.—Hasbrouck Heights**  
Olmsted, L. H. (Bench; Up-  
right) .....B  
**N. J.—Newark**  
Atha Tool Co. (Stone Cut-  
ters'; Ratchet; Flat;  
Pipe) .....A  
Gould & Eberhardt, 95 N. J.  
R. R. Av. (Multiple Spin-  
dle; Twist; Automatic;  
Vertical) .....A  
Johnson, Wm., 249 Plane  
(Ratchet; Flat; Pipe) ..D  
**N. J.—Plainfield**  
Pond Machine Tool Co. (Br.  
Niles-Bement-Pond Co.)  
(Radial) .....AAAA  
**N. Y.—Binghamton**  
Marvin Electric Drill Co.  
(Electric Rock) .....B  
Stow Mfg. Co. (Breast; Elec-  
tric; Flexible Shaft; Rail;  
Hand; Elec. Railway  
Track; Portable Power) B  
**N. Y.—Brooklyn**  
Pollard, Jos. G., 141 Ray-  
mond (Hollow; Jumper  
Brick to Drill Holes in  
Brick for Expansion Bolts)  
F  
**N. Y.—Buffalo**  
Buffalo Forge Co. (Black-  
smiths'; Hand) .....AA  
Keystone Mfg. Co., 308 Ter-  
race (Ratchet; Flat; Pipe;  
Single Acting; Reversible;  
Hand) .....C  
Oliver Mfg. Co., W. W. 1483  
Niagara (Bench; Sensi-  
tive; Jewelers', &c.) ..C  
Union Mfg. & Specialty Co.  
(Foot Power) .....D  
West Mfg. Co., 374 7th  
(Breast) .....D  
**N. Y.—Frankfort**  
Acme Road Mehry Co.  
(Rock; Steam) .....C  
**N. Y.—Medina**  
Swett Iron Wks., A. L.  
(Blacksmiths' Steel  
Spindle) .....A

**DRILLS (Con.)**  
New York City  
American Diamond Rock  
Drill Co., 95 Liberty (Dia-  
mond Prospecting Core;  
(Rock) .....D  
American Wood Working  
Mach. Co. (Machine Bit)  
AAA  
Ashcroft Mfg. Co., 85 Lib-  
erty (Ratchet; Flat; Pipe) A  
Clayton Air Compressor Wks  
118 Liberty (Compressed  
Air) .....B  
Davis Calyx Drill Co., 128  
Bway. (Core, without Dia-  
monds) .....B  
Dickinson, John (Est. of)  
64 Nassau (Glass) ....B  
Eckstein, Chas. G., 249  
Center (Clamp) .....D  
Etna Mfg. Co., 253 B'way  
(Bit Stock; Blacksmiths';  
Fluted; Ratchet; Twist) D  
Fairbanks Co., 416 Broome  
(Blacksmiths'; Breast) AAAA  
Fox Bros. & Co., 24 Vesey  
(Railway Track) .....H  
Garvin Machine Co., 143  
Varick (Bench; Multiple  
Spindle; Sensitive; Up-  
right; Automatic; Self-  
Feeding; Bicycle) ...AAA  
Hercules Elec. Drill Co., 32  
Bway. (Electric Rock) X  
Ingersoll-Sergeant Drill Co.,  
26 Cortlandt (Compressed  
Air; Rock Steam; Pneu-  
matic) .....AAAA  
Jennings Co., C. E., 42 Mur-  
ray (Hand) .....D  
McCabe, J. J., 14 Dey (Ra-  
dial; Vertical) .....B  
McDougall & Potter Co., 606  
W. 55th (Rock Steam) D  
McKlernan Drill Co., 170  
Bdway. (Compressed Air;  
Rock Steam) .....B  
Manning Maxwell & Moore,  
85 Liberty (Radial) .AAA  
Motley Co., Thornton N., 14  
John (Rock Hand) ...X  
Niles-Bement-Pond Co., 136  
Liberty (Automatic  
Blacksmiths'; Boilermak-  
ers'; Electric; Multiple  
Spindle; Portable; Radial;  
Rail; Sensitive; Suspens-  
ion; Turrent; Universal;  
Upright; Boiler Shell;  
Electric Driven; Geared;  
Horizontal; Vertical;  
Wheel Car) .....AAAA  
Pierce Well Engineering &  
Supply Co. (Rock) .....O  
Rand Drill Co., 128 Bdway.  
(Compressed Air; Rock  
Steam; Pneumatic) ....A  
Sargent & Co., 151 Leonard  
(Blacksmiths') .....AAAA  
Slotkin & Praglin (Automa-  
tic; Bench; Sensitive;  
Foot Power) .....O  
Tower & Lyon Co., 95 Cham-  
bers (Hand) .....B  
**N. Y.—Orangeburg**  
Empire Engine & Motor Co.  
(Breast) .....B  
**N. Y.—Rochester**  
Davis Machine Co., W. P.  
(Sensitive; Vertical) ...B  
**N. Y.—Schenectady**  
General Electric Co. (Elec-  
tric Rock) .....AAAA  
**N. Y.—Spuyten Duyvil**  
Johnson & Co., Isaac G.  
(Railway Track) .....AA  
**N. Y.—Syracuse**  
Kane & Roach, Niagara &  
Shonnard (Radial) ....O  
Stearns & Co., E. C.  
(Bench) .....AA  
Syracuse Twist Drill Co.  
(Bit Stock; Twist; Bit  
Brace) .....B

**DRILLS (Con.)****OHIO—Akron**

Star Drilling Machine Co.  
(Artesian Well; Radial) A

Whitman & Barnes Mfg. Co.  
(Bit Stock; Blacksmiths';  
Boilermakers'; Fluted;  
Garden Seed; Ratchet;  
Flat; Pipe; Twist; Taps;  
Pipe) .....AAAA

**OHIO—Cincinnati**

American Tool Wks. Co.  
(Multiple Spindle; Radial;  
Sensitive; Universal; Up-  
right; Boiler Shell; Verti-  
cal) .....AAA

Andrew & Co., M. L., 118  
W. 2d (Multiple Spindle)  
D

Bickford Drill & Tool Co.,  
Front & Pike (Boilermak-  
ers'; Multiple Spindle;  
Portable; Radial; Suspen-  
sion; Traveling; Univer-  
sal; Upright; Bicycle) A

Cincinnati Screw & Tap Co.,  
2442 Beekman (Pipe;  
Twist) .....B

Cincinnati Machine Tool Co.  
(Upright; Bit Brace;  
Machine Bit; Vertical) D

Diets Machine Tool Co. (Up-  
right) .....D

Dresses, Mueller Machine  
Tool Co. (Radial; Univer-  
sal) .....B

Fosdick Machine Tool Co.  
(Bicycle; Boiler Shell;  
Electric Driven; Multiple;  
Radial; Horizontal; Mul-  
tiple; Vertical) .....C

Fosdick & Halloway Ma-  
chine Tool Co. (Radial;  
Upright) .....C

Gang Co., Wm. E., 1543  
Queen City Av. (Radial)  
D

Haven Co., Jas. L. (Fire)  
X

Hisey-Wolf Machine Co.  
(Brest; Electric-Driven;  
Hand; Portable) .....X

Knecht Bros. Co., 2442  
Beekman (Friction Sensi-  
tive; Upright) .....D

Lodge & Shipley Mach.  
Tool Co. (Radial; Up-  
right) .....A

Muller Mach. Tool Co.  
(Radial) .....D

Presler-Crawley Mfg. Co.,  
219 W. 2nd (Prospecting  
Core; Hand; Power) ..F

Roos & Mill (Radial) ....F

Schumacher & Boye, Queen  
City Av. & Buck (Sensi-  
tive; Upright) .....A

**OHIO—Cleveland**

Cleveland Punch & Shear  
Wks., 156 Case Av.  
(Portable; Radial; Sus-  
pension; Multiple; Post)  
A

Cleveland Twist Drill Co.,  
Lake & Kirtland (Bit  
Stock; Fluted; Hollow;  
Twist; & Taps; Pipe;  
Blacksmiths; Bit Brace;  
Wood Boring Brace)....A

Foot, Burt & Co., 269 St.  
Clair (Gang; Multiple  
Spindle; Sensitive; Ad-  
justable Universal; Arch  
Bar; Automatic; Bench;  
Boiler Shell; Locomotive  
Frame; Rail; Vertical;  
Locomotive; Mud Ring;  
Flue Steel) .....D

Gardner Elec. Drill & Mchry.  
Co. (Electric Rock) ....A

Lucas Machine Tool Co.  
(Multiple Spindle) .....C

Standard Tool Co. (Bit  
Stock; Blacksmiths'; &  
Taps; Pipe; Increase  
Twist; Shank; Bit Brace;  
Fluted; Hollow; Oil Tube)  
AAA

**DRILLS (Con.)**

Strong, Carlisle & Ham-  
mond (Bench; Bracket;  
Portable; Radial) .....A

**OHIO—Columbus**

Jeffrey Mfg. Co. (Com-  
pressed Air; Electric;  
Rock; Steam; Coal; Augur  
Type; Hand Coal; Power  
Coal) .....AA

Rhoades Mfg. Co. (Sensi-  
tive Press) .....X

**OHIO—Dayton**

Nat'l Automatic Tool Co.  
(Two-Nutting Full Auto-  
matic Multiple Spindle) C

Patterson Tool & Supply Co.  
(Bench; Sensitive; Verti-  
cal) .....B

**OHIO—Hamilton**

Hamilton Machine Tool Co.  
(Radial; Upright) ....A

Niles Tool Wks. Co. (Auto-  
matic; Multiple Spindle;  
Radial; Rail; Upright) ...  
AAAA

**OHIO—Mansfield**

Ohio Brass Co. (Railway  
Track) .....B

**OHIO—Nelsonville**

Nelsonville Fdry. & Machine  
Co. (Coal; Augur Type) B

**OHIO—Norwood**

Cincinnati Tool Co. (Bit  
Stock; Blacksmiths') ..A

**OHIO—Salem**

Edwards Co., M. S.  
(Hand) .....F

Silver Mfg. Co. (Bench;  
Blacksmiths'; Boilermak-  
ers'; Machine Bit) .....A

**OHIO—Springfield**

Foss Mfg. Co. (Black  
smiths'; Hand) .....A

**OHIO—Toledo**

Baker Bros. (Bicycle; Multi-  
ple; Vertical) .....A

**OREGON—Merlin**

Keyte, H. L. (Rock; Hand)  
X

**PA.—Beaver Falls**

Beaver Falls Mfg. Co. (Coal;  
Augur Type; Hand Coal;  
Hand Rock) .....D

**PA.—Birdsboro**

Diamond Drill & Machine  
Co. (Artesian Well; Core;  
Prospecting; Hand; Pow-  
er; Rock; Steam) .....B

**PA.—Lancaster**

Champion Blower & Forge  
Co. (Blacksmiths'; Hand)  
B

Potts, David H. (Upright)  
D

**PA.—Philadelphia**

Bement, Miles & Co. (Auto-  
matic; Multiple Spindle;  
Radial; Rail; Self-Feed-  
ing; Suspension; Upright)  
(see Miles-Bement-Fond  
Co., N. Y. City).

Borton & Tierney Co., Ste-  
phen Girard Bldg. (Mfrs.'  
Agts.—Rock; Steam)...F

Box & Co., Alfred, 813 N.  
Front (Radial) .....D

Dallett & Co., Thos. H.,  
York & Sedgley Av. (Elec-  
tric Duplex; Boiler Shell;  
Electric Brest; Hand;  
Pneumatic; Portable Elec-  
tric Rope Driven; Electric  
Railway Track) .....A

Dwight, E. P. (Rail) ....X

Eppen-Lucas Machine Wks.  
(Rail) .....X

Harrington Son & Co., E.,  
1515 Penn Av. (Multiple  
Spindle; Portable; Radial;  
Sensitive; Post) .....AA

Nazel Machine Tool Wks.,  
1042 Ridge Av. (Portable)  
F

Newton Machine Tool Wks.,  
2343 Vine (Multiple Spin-  
dle; Portable Electrically  
Driven) .....A

North Bros. Mfg. Co., cor.

**DRILLS (Con.)**

Amer. & Lehigh Av. (Automatic; Reciprocating; Hand, for Carpenters' Hand) .....A  
 Olsen, Tinius & Co., 500 N. 12th (Hand) .....B  
 Philadelphia Pneumatic Tool Co., 21st & Allegheny Av. (Pneumatic; Rotary; Portable) .....C  
 Phillips Rock Drill Co. (Compressed Air Rock) .X  
 Rutschmann Bros., N. 5th & Berks (Hand) .....C  
 Sellers & Co. (Inc.), Wm., 1600 Hamilton (Boiler-makers'; Multiple Spindle; Radial; Rail; Universal; Upright; Beaming; Countersinking; Cotter; Boiler Shell) .....AAAA  
 Steward & Romaine Mfg. Co., 124 N. 6th (Star; Brick; Cement) .....D  
 Storts & Son, Jno., 210 Vine (Radial; Flat; Pipe; Star) .....F  
 Stow Flexible Shaft Co., N. 26th & Buttonwood (Breast Clamp; Flexible Shaft; Electric Hand; Pneumatic Portable; Rail; Suspension; Universal; Bicycle; Hand; Portable; Radial; Rock; Sensitive) .....B

PA.—Pittston  
 Muirhead & Son, Jno. (Prospecting Core) .....B  
 PA.—Plymouth  
 Bittenbender, Geo. H. (Mine Ratchet) .....D  
 Howell's Mining Drill Co. (Compressed Air; Electric; Hand Rock; & Coal; Coal; Auger Type; Steam; Powder Coal) .....C  
 PA.—Wilkesbarre  
 Le Grand Mine Drill Wks. (Coal; Rock Mine; Steam) .....F  
 R. I.—Pawtucket  
 Carpenter Tap & Die Co., J. M. (& Taps; Pipe) .C  
 Jackson Patent Shell Roll Co. (Clamp) .....X  
 Pawtucket Mfg. Co. (& Taps; Pipe) .....A  
 R. I.—Providence  
 Langeller Mfg. Co. (Sensitive; Upright) .....E  
 Slocumb & Co., J. T. (Combination Centre) .....E  
 Standard Machinery Co., (Bench; Sensitive) .....E  
 TENN.—Chattanooga  
 Nixon-Ratchet Mining Drill Co. (Mine Ratchet) .....D  
 VT.—Derby Line  
 Butterfield & Co. (Tap) .B  
 VT.—Rutland  
 Patch Mfg. Co., F. R. (Marble) .....A  
 WIS.—Milwaukee  
 Pawling & Harnischfeger (Horizontal) .....AA  
 WIS.—Racine  
 Tecktonius, E. C. (Clamp) .....F  
 WIS.—Sheboygan  
 Optenberg & Sonneman (Radial) .....D

**DRIPS**

IND.—Fort Wayne  
 Kerr Mfg. Co., Murray (Street) .....A

**DRIVERS**

CONN.—Bridgeport  
 Bridgeport Hdw. Mfg. Co., 481 Iranistan Av. (Screw) .....B  
 Hurwood Mfg. Co. (Screw) .....C  
 Smith & Egge Mfg. Co. (Cycle Screw, of Steel

**DRIVERS (Con.)**

Wire) .....A  
 CONN.—Bristol  
 Clayton Bros. (Screw) ....D  
 Turner & Deegan (Screw) .....E  
 CONN.—Guilford  
 Spencer's Sons, I. S. (Staple) .....A  
 CONN.—Hartford  
 Billings & Spencer Co. (Screw; Screw Magazine) .....AA  
 CONN.—Meriden  
 Meriden Mfg. Co. (Self Adjustable Screw) .....X  
 CONN.—New Britain  
 Russell & Erwin Mfg. Co. (Screw) .....AAAA  
 Stanley Rule & Level Co. (Screw) .....AAA  
 CONN.—New Haven  
 Brown & Co., R. H. (Screw) .....B  
 CONN.—Seymour  
 Swan Co., James (Screw) .....A  
 CONN.—Southington  
 Peck, Stow & Wilcox Co. (Screw) .....AAAA  
 CONN.—Torrington  
 Union Hdw. Co. (Screw) .AA  
 ILL.—Chicago  
 Bartlett & Son, M. J., 196 S. Clark (Screw) .....F  
 Nicol & Co. (Screw) .....D  
 Vulcan Iron Wks., 38 No. Clinton (Pile) .....AA  
 ILL.—Decatur  
 Mueller Mfg. Co., H. (Screw; Reversible Bit Screw; Combined Screw; Drill) .....AAA  
 ILL.—Downers Grove  
 Dicke Tool Co. (Screw, for Electrical and Machinery Work) .....C  
 ILL.—Freeport  
 Arcade Mfg. Co. (Screw) .A  
 ILL.—Harvey  
 Austin Mfg. Co., F. C. (Pile) .....AAA  
 IND.—Indianapolis  
 National Dry Kiln Co. (Brick) .....A  
 MASS.—Athol  
 Starratt Co., L. S. (Pocket Screw) .....A  
 MASS.—Brookton  
 Tuck Mfg. Co. (Screw) .E  
 MASS.—Fiskdale  
 Snell Mfg. Co. (Screw) .B  
 MASS.—Fitchburg  
 Sawyer Tool Mfg. Co. (Screw) .....C  
 MASS.—Greenfield  
 Goodell-Pratt Co. (Screw; Screw Automatic; Ratchet Screw) .....B  
 MASS.—Kingston  
 Drew & Co., O. (Coopers') .C  
 MASS.—Millbury  
 Buck, Chas. (Screw) ....B  
 Buck Bros. (Screw) .....A  
 MASS.—Miller Falls  
 Miller Falls Co. (Screw; Screw Automatic; Ratchet Screw; Spiral Screw) .....AA  
 MASS.—New Bedford  
 Morse Twist Drill & Machine Co. (Screw) .....AAA  
 MASS.—Northampton  
 Clement Mfg. Co. (Hollow Handle Screw) .....B  
 MASS.—North Easton  
 New England Specialty Co. (Screw) .....F  
 MASS.—Shelburne Falls  
 Ducharmes & Co. (Screw) .F  
 Mayhew Co., H. H. (Screw) .....D  
 MASS.—Springfield  
 Bemis & Call Hdw. & Tool Co. (Screw) .....A  
 Smith & Wesson (Pocket Screw) .....AAAA  
 Waltham Watch Tool Co. (Screw) .....B



**DRUMS (Con.)**  
**MAINE—Portland**  
 Portland Cooperage Co.  
 (Fish Shipping).....C  
**MASS.—Boston**  
 Hersey Mfg. Co. (Hoisting)  
 AA  
**MASS.—Cambridge**  
 Rawson & Morrison Mfg. Co.  
 (Hoisting; Single; Double)  
 A  
**MASS.—Northampton**  
 Williams Mfg. Co. (Veneer;  
 Coffee, &c.) .....A  
**MICH.—Grand Rapids**  
 Michigan Barrel Co. (To-  
 bacco Shipping) .....A  
**MICH.—Morenci**  
 Michigan Brick & Tile Ma-  
 chine Co. (Winding)....D  
**MINN.—St. Paul**  
 American Hoist & Derrick  
 Co. (Hoisting) .....AAA  
**MO.—Kansas City**  
 Weber Gas & Gasoline En-  
 gine Co. (Friction Wind-  
 ing) .....A  
**MO.—St. Louis**  
 St. Louis Basket & Box Co.,  
 Arsenal & 2d (Packing) A  
**N. J.—Newark**  
 Lambert Hoisting Engine  
 Co., 115-121 Poinier  
 (Hoisting) .....A  
 Mundy, J. S., 22 Prospect  
 (Hoisting) .....A  
**N. J.—Trenton**  
 Trenton Iron Co. (Rope  
 Driving) .....A  
**N. Y.—Albany**  
 Dederick's Sons, P. K.  
 (Hoisting; Single; Double)  
 A  
 Townsend Furnace & Ma-  
 chine Shop Co. (Cable)..B  
**N. Y.—Buffalo**  
 Contractors Plant Mfg. Co.,  
 129 Erie (Hoisting)....B  
 Shephard & Co., Sidney  
 (Botanizing) .....AAAA  
**New York City**  
 Bacon, Earle C., 26 Cort-  
 landt (Hoisting) .....B  
 Johns-Manville Co., H. W.,  
 100 William (Liquid)  
 AAAA  
 Koven & Bro., L. O., 50  
 Cliff (Mud) .....A  
 Lidgerwood Mfg. Co., 96  
 Liberty (Hoisting; Single;  
 Double) .....AAA  
**N. Y.—Niagara Falls**  
 Dobbie Fdry. & Machine Co.  
 (Hoisting) .....D  
**N. C.—Statesville**  
 Steele & Son, J. C. (Wind-  
 ing) .....B  
**OHIO—Cuyahoga**  
 American Clay Wkg. Machy.  
 Co. (Winding) .....X  
**OHIO—Canton**  
 Bonnot Co. (Winding)...A  
**OHIO—Cleveland**  
 Cleveland Wire Spring Co.  
 (Steel Oil) .....A  
**OHIO—Ravenna**  
 Byers Machine Co., Jno. F.  
 (Hoisting) .....B  
**OHIO—Zanesville**  
 Griffiths & Wedge Co.  
 (Winding) .....B  
**PA.—Allegheny**  
 Carlins Sons, Thos. (Grav-  
 ity Incline) .....A  
**PA.—Bangor**  
 Flory Mfg. Co., S. (Hoist-  
 ing; Double; Single)...A  
**PA.—Erie**  
 Erie City Iron Wks. (Mud)  
 AAAA  
 Stearns Mfg. Co. (Mud).B  
**PA.—Philadelphia**  
 Link Belt Engineering Co.  
 (Rope Driving) .....AA  
**PA.—Pittsburg**  
 Riter-Conley Mfg. Co. (Gas)  
 AAA  
 Sealife & Sons Co., Wm. B.,  
 221 1st Av. (Glycerine;  
 Oil; Steel Oil) .....AAA

**DRUMS (Con.)**  
**Union Fdry. & Machine Co.**  
 (Winding) .....B  
**PA.—Sharon**  
 Sharon Roller Wks. (Mud)  
 A  
**PA.—Wilkesbarre**  
 Vulcan Iron Wks. (Rope  
 Driving; Winding; Hoist-  
 ing; Conical; Cylindrical)  
 AAAA

**R. I.—Woonsocket**  
 Woonsocket Machine & Press  
 Co. (Rope Driving)....AA  
**WIS.—Milwaukee**  
 Filler & Stowell Co. (Rope  
 Driving) .....AAA

## DRYERS

See also Kilns; Machinery

**CAL.—San Francisco**  
 Hendy Machine Works,  
 Joshua, 38 Fremont (Ore)  
 AA  
 Union Iron Wks., 222 Mar-  
 ket (Ore) .....X  
**COLO.—Denver**  
 Mine & Smelter Supply Co.  
 (Ore) .....AAAA  
**CONN.—Derby**  
 Birmingham Iron Fdry.,  
 (Cloth) .....AA  
**CONN.—Windsor Locks**  
 Clark Co., Geo. P. (Warp)  
 O

**GA.—Rome**  
 Georgia Fdry. & Machine  
 Wks. (Ore) .....D  
 Morrison, Trammell Brick  
 Co. (Brick) .....D  
**ILL.—Chicago**  
 Allis-Chalmers Co., Home  
 Ins. Bldg. (Ore).....AAAA  
 Andrews Co., A. H. (Lump-  
 ber) .....AA  
 Barron Dryer Co., Temple  
 Court Bldg. (Brick)....D  
 Chicago Clothes Dryer Wks.,  
 346 Wabash Av. (Clothes;  
 Steam; Hot Air; Hot Wa-  
 ter; Gas) .....D  
 Hess Warming & Ventilat-  
 ing Co., 135 La Salle  
 (Pneumatic System Grain;  
 Malt) .....D  
 Steel Roll Machine Co., 142  
 Washn. Boul. (Laundry)  
 F

**IND.—Indianapolis**  
 Nordyke & Marmon Co. (Ce-  
 ment; Asphalt; Meal;  
 Grain) .....AA  
 Standard Dry Kiln Co.  
 (Brick) .....A

**IOWA—Davenport**  
 Davenport Foundry & Ma-  
 chine Co. (Cane Contin-  
 uous) .....X

**KANS.—Leavenworth**  
 Great Western Mfg. Co.  
 (Meal; Grain) .....AA

**KY.—Louisville**  
 Turney Drier Co., Columbia  
 Bldg. (Cement; Asphalt;  
 Grain; Malt; Ore) ....X

**MAINE—Brunswick**  
 Fairfield Lawn Swing Co.  
 (Clothes) .....E

**MASS.—Boston**  
 Hersey Mfg. Co., 314 W.  
 2d (Rotary; Fertilizer;  
 Grain; Malt; Salt; Sand;  
 Sugar; Starch Refuse;  
 Coffee) .....AA  
 Riley & Co., C. E., 65  
 Franklin (Wool) .....A  
 Sturtevant Co., B. F.  
 Cloth; Wood; Yarn;  
 Grain; Lumber; Cotton)  
 AAA

**MASS.—Cambridge**  
 Rawson & Morrison Mfg.  
 Co. (Inc.) (Fertilizer;  
 Grain) .....A

**MASS.—Lowell**  
 Kitson Machine Co. (Wool)  
 AAA

**DRYERS (Con.)**

**MASS.—North Adams**  
Hunter Machine Co., Jas  
(Wool) .....A  
**MASS.—Westford**  
Sargents' Sons, C. G. (Cot-  
ton; Wool) .....A  
**MASS.—Worcester**  
Cleveland Machine Wks.  
(Cloth) .....A  
Curtis & Marble Machine Co.  
(Carpet) .....A  
Hill Dryer Co. (Clothes).D  
**MICH.—Detroit**  
American Blower Co.  
(Brick; Cement; Asphalt;  
Wool; Lumber; Cloth;  
Cotton; Grain) .....AA  
Berry Bros. (Ltd.) (Japan;  
Liquid) .....AAAA  
**M. H.—Manchester**  
Campbell, Jno. (Clothes).H  
**M. H.—Nashua**  
Nashua Novelty Wks. (Wall  
Clothes) .....B  
**M. H.—Pike Station**  
Pike Mfg. Co. (Boot Soap-  
stone) .....A  
**M. J.—Cedar Brook**  
Bailey, Frank (Yarn)...E  
**M. J.—Jersey City**  
Griffing Iron Co., A. A.,  
449 Communipaw Av.  
(Brick) .....AA  
Smith & Sons Co., Theodore,  
ft. of Essex (Cement; As-  
phalt) .....A  
Woolsey Paint & Color Co.,  
C. A. (Transparent) ...A  
**M. J.—Newark**  
Murphy Varnish Co. (Ja-  
pan; Transparent).AAAA  
**M. J.—Raritan**  
Kenyon & Son, D. R.  
(Cloth) .....B  
**M. Y.—Buffalo**  
Buffalo Dental Mfg. Co.  
(Clothes Airers; Gas)...B  
Buffalo Forge Co. (Brick;  
Cloth; Cotton; Grain;  
Leather) .....AAA  
Mey Chain Belting Engin-  
eering Wks., 14 Perry  
(Grain; Malt) .....F  
Smiths' Sons, Jno. E. (Lard)  
B  
Squier Mfg. Co., Geo. L.  
(Coffee) .....  
**M. Y.—Munnsville**  
Munnsville Plow Co.  
(Clothes) .....B  
**New York City**  
Abbe Engineering Co., 220  
Bway. (Cement; Asphalt)  
D  
Calman & Co., Emil  
(Liquid) .....AA  
F. W. Devoe & C. T. Ray-  
nolds Co. (Liquid; Trans-  
parent) .....AAAA  
Hungerford Bros. & Co.  
(Coffee) .....B  
Longman & Martinez (Ja-  
pan; Liquid) .....AAA  
Mace & Co., L. R.  
(Clothes) .....B  
Mayer & Loewenstein (Ja-  
pan; Liquid; Transparent)  
AAA  
Pierce Co., F. O. (Japan)  
A  
Pratt & Lambert (Inc.)  
(Japan; Liquid) .....B  
Reilly Bros. (Clothes)..D  
Ruggles-Coles Engineering  
Co., 39 Cortlandt (Cem-  
ent; Asphalt; Grain;  
Malt; Ore; Pebbles)...X  
Staubach, B. (Lard) ...A  
Steel Cable Engineering Co.,  
120 Liberty (Rotary)..B  
**M. Y.—Silver Creek**  
Hower Co., S. (Grain) ..A  
**M. Y.—Warsaw**  
Warsaw Elevator Co. (Salt  
Well) .....B  
**N. C.—Winston-Salem**  
Salem Iron Wks. (Coffee)  
A

**DRYERS (Con.)**

**OHIO—Cuyurus**  
American Clay Wkg. Machy.  
Co. (Brick) .....X  
**OHIO—Cincinnati**  
American Laundry Machy.  
Co. (Clothes Airers; Gas)  
AA  
Ault & Wiborg Co. (Japan)  
AAAA  
Blymer Iron Wks. Co.  
(Hop) .....B  
Day & Co., J. H. (Sand)..A  
Littleford Bros., 453 E.  
Pearl (Pebble) .....B  
Miller Range & Furnace Co.,  
Wm., 125 E. 5th (Laun-  
dry) .....A  
Peck-Williamson Heating &  
Ventilating Co., 387 W.  
5th (Laundry) .....AA  
**OHIO—Cleveland**  
Bartlett & Snow Co., C. O.  
(Cement; Asphalt; Grain;  
Malt; Coal) .....A  
Cleveland Varnish Co.  
(Japan; Liquid; Trans-  
parent) .....AA  
Crown Dryer Co., New Eng-  
land Bldg. (Cement; As-  
phalt; Grain; Malt) ...D  
Cummer & Son Co., F. D.,  
413 Arcade (Brick; Ce-  
ment; Asphalt; Grain;  
Malt; Ore) .....AA  
Mannen & Esterly, 811 St.  
Clair (Clothes; Hot Air;  
Steam; Hot Water; Gas)  
D  
Ohio Ceramic Engineering  
Co. (Hot Air Brick) ...B  
**OHIO—Columbus**  
Case Mfg. Co. (Grain; Corn)  
A  
Jeffrey Mfg. Co. (Grain)..  
AAAA  
**OHIO—Dayton**  
Thresher Varnish Co.  
(Japan) .....A  
**OHIO—Hamilton**  
Black & Clawson Co.  
(Lard) .....AAA  
**OHIO—Stouboville**  
Means Fdry. & Machine Co.  
(Brick) .....O  
**OHIO—Zanesville**  
Griffith & Wedge Co.  
(Revolving) .....B  
**PA.—East Stroudsburg**  
Stauffer, Geo. E. (Revolv-  
ing) .....O  
**PA.—Lancaster**  
Martin Brick Mchry. Mfg.  
Co. (Sand) .....B  
**PA.—Philadelphia**  
American Drying Mchry. Co.  
(Cotton; Wool; Yarn)...D  
Atlantic Drier & Varnish Co.  
(Japan; Liquid) .....B  
Morris, Henry G., Phila.  
Bourse (Grain; Malt) ..B  
Nittinger, August (Lard) A  
Philadelphia Drying Mchry.  
Co. (Wool; Yarn) .....D  
Philadelphia Textile Mchry.  
Co., Hancock & Somerset  
(Cloth; Cotton; Wool;  
Yarn; Tobacco; Under-  
wear) .....AA  
**PA.—Pittsburg**  
Velte Fdry. & Machine Co.  
(Sand) .....A  
**PA.—South Bethlehem**  
Bethlehem Fdry. & Machine  
Co. (Cement; Asphalt)..B  
**PA.—Union City**  
Novelty Wood-work Co.  
(Cloth; Clothes) .....B  
**PA.—Warren**  
Struthers Wells & Co.  
(Fertilizer) .....AA  
**PA.—York**  
Dempwolf & Co., C. H.  
(Tankage; Bone) .....A  
**R. I.—Providence**  
Textile Finishing Mchry.  
Co., 17 Exchange Pl.  
(Cloth; Warp; Yarn)...  
AAA

**DRYERS (Con.)**

WIS.—Oudahy  
Power & Mining Mehry. Co.  
(Ore) .....AAA  
WIS.—Milwaukee  
Allis-Chalmers Co. (Ore)..  
AAAA  
Morris & Co., F. B. (Grain;  
Malt) .....F  
Nat'l Blower Wks., 17th &  
St. Paul Av. (Brick;  
Wool) .....A  
Pawling & Harnischfeger  
(Grain) .....AAA

**DUCKS**

See Cotton Goods ....

**DULCIMERS**

See Musical Instruments

**DUMBBWAIT-  
ERS**

See also Elevators

ILL.—Chicago  
Union Elevator & Machine  
Co., 144 Ontario .....C  
MASS.—Springfield  
Electron Mfg. Co. (Electric)  
A  
New York City  
Sedgwick Machine Wks., 110  
Liberty .....D  
See Electric Elevator Co.,  
A. B., 220 B'way .....AAA

**DUMPS**

ILL.—Bloomington  
Portable Elevator Mfg. Co.  
(Wagon) .....B  
ILL.—Chicago  
Weller Mfg. Co., 118 North  
Av. (Wagon) .....A  
IND.—Indianapolis  
Nordyke & Marmon Co.  
(Wagon) .....AAA  
MASS.—Milford  
Milford Iron Foundry  
(Ash) .....C  
MINN.—Minneapolis  
Howell & Co., R. R.  
(Wagon) .....B  
Moulton & Evans (Wagon)  
F  
N. Y.—Buffalo  
Buffalo Scale Co. (Coal)..  
AA  
OHIO—Cincinnati  
Triumph Ice Machine Co.,  
610 Baymiller (Ice) ....A  
PA.—Wilkesbarre  
Vulcan Iron Wks. (Coal)..  
AAAA

**DUPLICATORS**

ILL.—Chicago  
Dick Co., A. B. (Letter)..  
AA  
New York City  
Beck Duplicate Co., 72  
Beaver (for Reproduction  
of Manuscripts) .....D  
Bensinger Co., 245 B'way  
(Letter) .....X  
Daus Duplicate Co., 111  
John .....C  
Hektograph Co. (for Re-  
production of Manu-  
scripts, etc.) .....D  
Neostyle Co., 30 Reade  
(Letter) .....D  
Soltmann, E. G., 125 E.  
42nd (for Reproduction of  
Manuscripts, etc.) .....B

**DUST**

COLO.—Denver  
Western Chemical Mfg. Co.  
(Marble) .....AA  
ILL.—Chicago  
Hutchinson & Son, W. H.  
(Inc.) (Marble) .....AA  
Sherman & Flavin  
(Marble) .....B

**DUST (Con.)**

MD.—Baltimore  
Bullock & Son, John (Bone)  
X  
MASS.—Worcester  
Winslow Skate Mfg. Co.  
(Boxwood) .....A  
MICH.—Bay City  
Vance Box Co., E. J. (Ltd.)  
(Saw) .....B  
MICH.—Detroit  
Michigan Carbon Works  
(Bone) .....AAA  
MO.—St. Louis  
Mathiason Mfg. Co., P. B.  
(Bone) .....A  
N. J.—Newark  
Lister Agricultural Chemical  
Works (Bone) .....AAAA  
Sommer's Son, John (Saw)  
A  
N. Y.—Brooklyn  
Wiarda & Co., John C.  
(Marble) .....AA  
New York City  
Baker & Bro., H. J.  
(Bone) .....AA  
Cooper & Co., Chas. (Bone)  
AA  
King & Co., J. B. (Mar-  
ble) .....AAAA  
OHIO—Cleveland  
Cleveland Dryer Co. (Bone)  
AAAA

**DUSTERS**

See also Brushes

CAL.—San Francisco  
Atlantic Brush Co.  
(Feather) .....D  
Buchanan Bros. (Feather)  
E  
ILL.—Chicago  
Chicago Feather Duster Co.  
(Turkey Feather) .....E  
Dearborn Duster Co. (Feath-  
er; Turkey Feather;  
Hemp) .....D  
Woven Down Duster Co.  
(Turkey Feather) .....G  
ILL.—Moline  
Barnard & Leas Mfg. Co.  
(Bran) .....AA  
IND.—Fort Wayne  
Hoosier Mfg. Co. ....AA  
IND.—Indianapolis  
Nordyke & Marmon Co.  
(Bran) .....AAA  
IND.—Richmond  
Richmond City Mills Works  
(Bran) .....B  
IOWA—Davenport  
Lee Broom & Duster Co.  
(Feather; Turkey Feath-  
er) .....A  
KANS.—Leavenworth  
Great Western Mfg. Co.  
(Bran) .....AA  
KY.—Louisville  
Falls City Duster Co.  
(Feather) .....E  
Fisher Duster Co. (Feather)  
D  
MASS.—Athol  
Gerry & Son, Geo. (Rag;  
Wool; Waste) .....X  
MASS.—Boston  
Boston Feather Duster Co.  
(Feather) .....D  
MASS.—Florence  
Norwood Engineering Co.  
(Rag) .....B  
MASS.—Holyoke  
Holyoke Machine Co. (Rag)  
AA  
MASS.—Lowell  
Bagshaw, W. H. (Est. of)  
(Rag) .....B  
Kitson Machine Co. (Rag)  
AAA  
Lowell Machine Shops  
(Rag) .....AAAA  
MASS.—North Adams  
Hunter Machine Co., Jas.  
(Wool; Waste) .....A  
MASS.—Pittsfield  
Jones & Sons Co., E. D.  
(Rag) .....B

**DUSTERS (Con.)**  
**MASS.—Westford**  
 Sargent's Sons, C. G. (Rag; Wool; Waste) .....A  
**MASS.—Worcester**  
 American Card Clothing Co. (Wool) .....AAA  
 Cleveland Machine Works (Wool; Waste) .....B  
 Curtis & Marble Machine Co. (Wool; Waste) .....A  
**MICH.—Grand Rapids**  
 Grand Rapids Brush Co. (Artisans'; Moulders'; Counter) .....A  
**MICH.—Jackson**  
 Knickerbocker Co. (Bran).C  
**MICH.—Wyandotte**  
 Bishop Co., J. H. (Wool) ..A  
**N. Y.—Belleville**  
 Atlas Foundry & Machine Co. (Wool; Waste) ...D  
**N. Y.—Brooklyn**  
 Adams & Co., J. J. (Crepe; Parasol; Mantel) .....A  
 American Duster Co. (Turkey Feather) .....F  
**N. Y.—Lockport**  
 Richmond Mfg. Co. (Bran) .....A  
**New York City**  
 Bradley & Smith (Barbers'; Furniture; Plush; Painters') .....AA  
 F. W. Devoe & C. F. Reynolds Co. (Painters')AAAA  
 Hanlon & Goodman (Furniture; Plush; Painters'; Moulders') .....A  
 Hayes Duster Co. (Feather; Turkey Feather) .....B  
 Martin's Sons, J. M. C. (Barbers'; Painters') ..A  
 Mitchell, E. (Painters') ..E  
 New York Feather Duster Co. (Feather) .....C  
 Smith & Son, J. Finley (Counter; Furniture; Plush; Painters') .....B  
 Tonk & Bro., Wm., 452 10th Av. (Piano) .....C  
**N. Y.—Troy**  
 Dennin & Sons, Owen (Barbers'; Furniture; Plush; Painters') .....B  
**OHIO—Cincinnati**  
 Cincinnati Mfg. Co. (Feather) .....B  
**OHIO—Cleveland**  
 Osborn Mfg. Co. (Turkey Counter) .....B  
**OHIO—Columbus**  
 Case Mfg. Co. (Bran) ..A  
**OHIO—Hamilton**  
 Black & Clawson (Rag) ..AAA  
**PA.—Easton**  
 Pollock Brush Co. (Radiator; Wire-drawn) ....D  
**PA.—Philadelphia**  
 Levy, S. (Feather) .....F  
 Smith Woolen Machinery Co., Jas. (Rag) .....AA  
 Star & Crescent Mills Co..A  
**VT.—St. Albans**  
 Willard Mfg. Co. ....A  
**WIS.—Beloit**  
 Beloit Iron Works (Rag).A  
**WIS.—Milwaukee**  
 Allis-Chalmers Co. (Bran) .....AAA

## DYES & DYE-STUFFS

See also Anilines; Colors; Logwood, etc.

**CONN.—Hartford**  
 Beach & Co. ....AAA  
**MAINE—Foxcroft**  
 Cushing & Co., W. (Egg).X  
**MASS.—Boston**  
 Boston Belting Co. ....AAAA  
 Cochrane Chemical Co....AA  
 Metcalf Co., Théo. ....A  
**MASS.—Lowell**  
 Talbot Derwood & Chemical Co. ....B

**DYES & DYESTUFFS**  
**MICH.—Detroit**  
 Eaton & Son, Theo. H. ....AAAA  
**MO.—St. Louis**  
 Donnell Mfg. Co., 312 S. 6th (Egg) .....B  
**MO.—Unionville**  
 Monroe Drug Co. (Egg)..C  
**N. J.—Newark**  
 Pass Dye Co. ....B  
**N. Y.—Albany**  
 Hudson River Aniline Color Wks. ....B  
**N. Y.—Buffalo**  
 Schoellkopf, Hartford & Hanna Co. (Coal Tar) ..AAA  
**N. Y.—Massena**  
 Handy Package Dye Co. (Egg) .....F  
**New York City**  
 Barclay & Co., 44 Stone (Hair) .....A  
 Bartels Co., Ernest C. ...B  
 Berlin Aniline Wks. ....B  
 Bischoff & Co., C. ....B  
 Bredt & Co., F. ....B  
 Cassela Color Co. ....A  
 De Bruenn Chemical & Dye-stuff Co. ....D  
 Dillon & Co., 20 Cedar ...X  
 Fexandrie, Felix .....D  
 Fuerst Bros. & Co. ....D  
 Geigy Aniline & Ext. Co., 69 Barclay (Aniline; Dye-wood; Sumac Extracts).A  
 Heller & Merz Co. ....AA  
 Kalle & Co. ....A  
 Klipstein & Co., A. (Inc.), 122 Pearl .....AA  
 Kuttroff, Jickhardt & Co. ....A  
 Matheson & Co., Wm. J..A  
 Metz & Co., H. A. ....A  
 New York & Boston Dye-wood Co., 55 Beekman (Hemattines; Fustics; Crystals) .....AAAA  
 Stamford Mfg. Co. ....AAAA  
 Tult Mfg. Co. ....B  
 West Indies Chemical Wks., 20 Cedar (Logwood Ext.) ..X  
**OHIO—Tiffin**  
 Flick, J. J. (Egg) .....B  
**PA.—Bedford**  
 Heckerman Irug & Dye Co. (Egg) .....B  
**PA.—Easton**  
 Baker & Adamson Chemical Co. ....A  
**PA.—Philadelphia**  
 Sharpless Dye-wood Ext. Co., Bourse (Hemattine; Log-wood) .....X  
**R. I.—Providence**  
 Arnold, Hoffman Co. ....AA  
 Lewis, John D. ....AA  
**VT.—Burlington**  
 Wells & Richardson Co. (Egg) .....AA

## DYNAMITE

**CAL.—San Francisco**  
 California Powder Wks...A  
**DEL.—Wilmington**  
 Hercules Torpedo Co. ....B  
 Repauno Chemical Co. ....AAAA  
**ILL.—Chicago**  
 Aetna Powder Co. ....AA  
**New York City**  
 Lafin & Rand Powder Co., 99 Cedar .....X  
**OHIO—Cincinnati**  
 King Powder Co. ....AAA  
**OHIO—Toledo**  
 Great Western Powder Co.X  
**PA.—Philadelphia**  
 International Smokeless Powder & Dynamite Co. ....B  
**PA.—Pittsburg**  
 Kirk & Son Co., Arthur...X  
**PA.—Tamaqua**  
 Repauno Chemical Co. ....AAAA



## DYNAMOMETER

**ILL.—Chicago**  
Western Electric Mfg. Co. (Electric) .....AAAA  
**MASS.—Lawrence**  
Lawrence Machine Co. . .X  
**N. H.—Pensacook**  
Whitney Electrical & Instrument Co. ....D  
**N. Y.—Brooklyn**  
Schaeffer & Budenberg Mfg. Co., 10 Division..B  
**New York City**  
Kohlbusch, Herman, 194 Broadway .....B  
Manning, Maxwell & Moore, 85 Liberty .....AA  
**N. Y.—Schenectady**  
General Electric Co. (Electric) .....AAAA  
**OHIO.—Cleveland**  
Elwell-Parker Electric Co. C

## DYNAMOS

See also Generators; Motors.

**CAL.—San Francisco**  
California Electrical Works (Direct Electric Lighting) .....A  
**CONN.—Windsor**  
Eddy Electric Mfg. Co. (Direct Electric Power; Copper Refining; Electro-Incandescent Lighting; Plating; Electrotyping; Power) .....D  
**ILL.—Chicago**  
Central Electric Co. (Incandescent Lighting) .....A  
Chicago Edison Co. (Incandescent Lighting) .AAAA  
Chicago Flexible Shaft Co., 124 La Salle Av. ....B  
Both Bros. & Co., 29 S. Clinton (Electric Lighting; Arc Lighting; Electro-Plating) .....B  
Western Electric Co., 259 S. Clinton (Direct; Alternating; Electric Lighting; Arc Lighting; Telegraph) .AAAA  
**ILL.—Peoria**  
Royal Electric Co. (Direct and Alternating Electric Lighting) .....D  
**IND.—Fort Wayne**  
Fort Wayne Electric Works (Inc.) (Direct and Alternating Electric Lighting; Arc Lighting; Direct Connected; Direct Current)...AAA  
**IND.—Indianapolis**  
Commercial Electric Co. (Direct Electric Lighting; Street Railway) .....A  
Jenney Electric Mfg. Co. (Direct and Alternating Electric Lighting; Belted; Copper Refining; Direct connected; Electro-Plating Electrotyping) ....A  
**IND.—Terre Haute**  
Kester Electric Co. (Street Railway) .....D  
**KY.—Owensboro**  
Kentucky Electrical Co. (Direct Electric Lighting).B  
**MAINE.—Portland**  
Maine Electric Co., 25 Commercial (Electric Lighting) .....E  
**MASS.—Boston**  
Cutter, Wood & Stevens Co. (Electro-Plating) .....E  
Sturtevant Co., B. F. (Direct Electric Power).AAA  
**MASS.—Brookline**  
Holtzer-Cabot Electric Co. (Plating) .....A  
**MASS.—Lynn**  
Littlefield & Co., H. A. (Direct and Alternating

**DYNAMOS (Con.)**  
Electric Lighting.....X  
**MASS.—Pittsfield**  
Stanley Electric Mfg. Co. (Alternating Electric Power) .....AAAA  
**MASS.—Springfield**  
Elektrom Mfg. Co. (Electric Power) .....A  
**MICH.—Three Rivers**  
Sheffield Car Co. ....AA  
**MINN.—Minneapolis**  
Electric Machinery Co. (Induction Type Alternating Electric Power) .....A  
**MO.—St. Louis**  
Wagner Electric Mfg. Co. Direct and Alternating Electric Lighting) ...AA  
**N. J.—East Orange**  
Crocker-Wheeler Electric Co. (Direct Electric Lighting; Street Railway; Electro-Plating; Direct Connected) .....AAAA  
**N. J.—Elizabethport**  
Diehl Mfg. Co. (Direct Electric Lighting; Incandescent Lighting) .....B  
**N. J.—Newark**  
Hanson & Van Winkle Co. (Plating) .....AA  
**N. Y.—Buffalo**  
Averill, Francis E., 680 Main (Plating) .....H  
**N. Y.—Eldridge**  
Eldridge Electrical Mfg. Co. (Arc Lighting; Electro-Plating; Experimental).D  
**N. Y.—Hornellsville**  
Bartz, Wygant & Brown (Electric Lighting) ....D  
**New York City**  
Bunnell Co., J. H. (Incandescent Lighting) .....B  
C. & C. Electric Co., 143 Liberty (Direct Electric Lighting; Street Railway) .AA  
General Incandescent Arc Light Co., 572 1st Av. (Electric Power; Oil; Electric) .....A  
La Roche & Co., F. A., 656 Hudson (Direct Electric Lighting) .....A  
Sprague Electric Co., 527 W. 24th (Direct and Alternating up to 1000 K. W. Electric Lighting; Electric Lighting; Street Railway; Direct Connected) .....AAAA  
Zucker & Levett & Loeb Co., 526 W. 25th (Plating) .....A  
**N. Y.—Rochester**  
Rochester Electric Motor Co. (Direct Current) .....O  
**N. Y. Schenectady**  
General Electric Co. (Direct and Alternating Electric Lighting; Street Railway; Incandescent Lighting; Telegraph) .AAAA  
**N. Y.—Syracuse**  
Powell, E. C. (Electric Lighting) .....B  
**N. Y.—Troy**  
Bernard Co., E. G. (Belted; Direct Connected) ....D  
**N. Y.—Watertown**  
Eager Electric Co. (Direct Current Electric Lighting) D  
**OHIO.—Akron**  
Akron Electrical Mfg. Co. (Electric Lighting; Direct Current; Belted or Direct Connected, 1 to 500 K. W.; Electro-Plating).D  
**OHIO.—Cincinnati**  
Bullock Electric Mfg. Co. (Direct and Alternating Electric Lighting; Street Railway) .....AA  
Jantz & Leist Electric Co. (Plating; Electroplating) B

**DYNAMOS (Con.)**

Triumph Electric Co., 610  
Baymiller (Direct Current  
Electric Lighting; Street  
Railway) .....A

OHIO—Cleveland  
Elwell-Parker Electric Co.  
(Direct Electric Lighting;  
Street Railway) .....C

OHIO—Columbus  
Jeffrey Mfg. Co. ....AAAA

OHIO—Dayton  
Thresher Electric Co. (Di-  
rect Electric Lighting;  
Street Railway) .....X

OHIO—Mansfield  
Phoenix Electric Mfg. Co.  
(Electric Lighting; Street  
Railway; Electro-Plating)  
.....B

OHIO—Sandusky  
Warren Electric Mfg. Co.  
(Alternating Electric  
Lighting; Alternating Cur-  
rent; Incandescent Light-  
ing) .....A

OHIO—Springfield  
Robbins & Myers Co. ....A

PA.—Erie  
Keystone Electric Co. (Di-  
rect Electric Lighting;  
Street Railway) .....B

PA.—Grove City  
Beasmer Gas Engine Co.  
(Electric Power) .....A

PA.—Philadelphia  
Dallett & Co., T. H. ....B

Quaker City Electric Co.  
(Arc Lighting; Electro-  
Plating; Incandescent  
Lighting; Marine; Power)  
.....D

PA.—Pittsburg  
Westinghouse Electric &  
Mfg. Co. (Direct; Alter-  
nating Electric Lighting;  
Street; Railway; Alter-  
nating Current; Arc Light-  
ing; Incandescent Light-  
ing; Power) .....AAAA

PA.—Ridgway  
Ridgway Dynamo & Engine  
Co. (Street Railway).AA

R. I.—Providence  
Bowen Electric Co. (Electric  
Lighting) .....X

WIS.—Madison  
Northern Electrical Mfg.  
Co. (Direct and Alternat-  
ing Electric Lighting)  
.....AAAA

WIS.—Milwaukee  
Christensen Engineering  
Co. (Alternating; Direct)  
.....A

Mechanical Appliance Co.  
(Electrical Power) .....C

Milwaukee Electric Co.  
(Direct Electric Lighting)  
.....X

Pawling & Harnischfeger  
(Incandescent Lighting;  
Marine; Power) .....AAA

**DYNAMOTORS**

ILL.—Chicago  
Roth Bros. & Co., 29 S.  
Clinton (Ringling) .....B

New York City  
Crocker-Wheeler Co., 39  
Courtlandt .....AAAA

OHIO—Akron  
Akron Electrical Mfg. Co..D

OHIO—Cleveland  
Elwell-Parker Elec. Co.,  
1066 Hamilton .....C

**EAGLES**

MICH.—Detroit  
Barnum Wire & Iron Wks.,  
E. T. (Flag Pole) .....B

New York City  
American Flag Co. (Flag  
Pole) .....A

**EARRINGS**

See Jewelry

**EARS**

CONN.—Bridgeport  
Bridgeport Brass Co.  
(Brass Pail) .....AAA

CONN.—Waterbury  
Plume & Atwood Mfg. Co.  
(Pail) .....AAA

Waterbury Brass Co. (Brass  
Pail) .....AAAA

KY.—Louisville  
Horan Stay Hanger Co.  
(Tin, for Tin Buckets) F

MASS.—Worcester  
Wire Goods Co. (Tub) ....A

MICH.—Detroit  
Hutchins & Sons, C. B., 1883  
12th (Trolley) .....D

N. Y.—Albany  
Troy Nickel Works (Jno. G.  
Gaitley Prop.) (Pan; Ket-  
tle, &c.) .....C

N. Y.—Binghamton  
Titchener & Co., E. H.  
(Pail; Tube) .....B

N. Y.—Brooklyn  
Columbia Machine Works &  
Malleable Iron Co., 169  
Chestnut (Trolley) .....A

N. Y.—Buffalo  
Forsyth Mfg. Co. (Pail) ..C

N. Y.—Troy  
Troy Stamping Co. (Pail)  
.....AAAA

OHIO—Cincinnati  
Creagland Engineering Co.,  
313 Walnut (Trolley) ..D

OHIO—Mansfield  
Ohio Brass Co. (Trolley) AA

OHIO—Troy  
Ohio Electric Specialty Mfg.  
Co. (Trolley) .....A

PA.—Philadelphia  
Berger Bros. Co. (Pail) ...A

**EARTH**

New York City  
Fuerst Bros. Co. (Fullers) D

Taylor & Co., G. F.  
(Fullers) .....F

Waddell & Co., R. J.  
(Fullers) .....A

Whittaker, W. H. (Fullers)  
.....B

**EARTHEN-  
WARE**

See also Pottery; Stoneware,  
etc.

IND.—Kokomo  
Great Western Pottery Co.,  
(Plumbers' Sanitary) AA

MASS.—Boston  
Dalton-Ingersoll Co. (San-  
itary) .....X

MO.—St. Louis  
Nelson Mfg. Co., N. O. AAA

N. J.—Bordentown  
Iron Sides Pottery Co.  
(Plumbers' Sanitary) ..C

N. J.—Elizabeth  
Standard Sanitary Pottery  
Co. (Plumbers' Sanitary)X

N. J.—Trenton  
Acme Sanitary Pottery Co.  
(Plumbers' Sanitary) ..D

Belmark Pottery Co. (Car  
Bullders'; Plumbers' Sani-  
tary) .....B

Economy Pottery Co.  
(Plumbers' Sanitary) ...E

Keystone Pottery Co.  
(Plumbers' Sanitary) ...B

Maddock & Sons, John  
(Plumbers' Sanitary) ...A

Maddock & Sons, Thos.  
(Plumbers' Sanitary) .AA

Mercer Pottery Co.  
(Plumbers' Sanitary) .AA

Monument Pottery Co.  
(Plumbers' Sanitary) ...A

Sanitary Earthenware Spe-  
cialty Co. (Plumbers' Sani-  
tary) .....B

Trenton Fire Clay & Porce-  
lain Co. (Plumbers' Sani-  
tary) .....A

Trenton Potteries Co.  
(Plumbers' Sanitary) AAA

Willets Mfg. Co.  
(Plumbers' Sanitary) ...A

**EARTHENWARE (Con.)**  
 New York City  
 Meyer-Sniffen Co. (Ltd.)  
 (Sinks) .....A  
**OHIO—East Liverpool**  
 Thompson Pottery Co., C. O.  
 ..AA  
 Vodry Pottery Co. ....A  
**OHIO—Findlay**  
 Bell Pottery Co. (Decorated;  
 Plain) .....A  
**PA.—New Castle**  
 Universal Sanitary Mfg. Co.  
 (Plumbers' Sanitary) ...B  
**PA.—Philadelphia**  
 Owen & Slater (Sanitary) A  
**W. VA.—Wheeling**  
 Wheeling Potteries Co.  
 (Plumbers' Sanitary) AAA

## EARTHERS

**PA.—Philadelphia**  
 Allen & Co., S. L. (Celery)  
 ..AA

## EASELS

See also Furniture; Pic-  
 tures; etc.

**CONN.—Chester**  
 Brooks & Sons, M. S. (Wire)  
 ..B  
**CONN.—Meriden**  
 Bradley & Hubbard Mfg. Co.  
 (Brass) .....AAAA  
**ILL.—Chicago**  
 Barbee Wire & Iron Wks.  
 (Wire) .....B  
 Dietzgen Co., Eugene  
 (Artists') .....A  
**MASS.—Gardner**  
 Heywood Bros. & Wakefield  
 Co. (Rattan; Wicker)  
 ..AAAA  
**MASS.—Lowell**  
 Woods, Sherwood & Co.  
 (Wire) .....E  
**MASS.—Worcester**  
 Hamblin & Russell Mfg. Co.  
 (Wire Cup & Saucer) ..B  
 National Mfg. Co. (Wire) A  
 Wire Goods Co. (Wire) ...A  
**MICH.—Detroit**  
 Twitchell Bros. Mfg. Co., 69  
 National Av. (Crockery;  
 Photograph) .....H  
**N. J.—Hoboken**  
 Ferguson Bros. Mfg. Co.  
 (Wire) .....A  
**N. Y.—Lockport**  
 Oliver Bros. Co. (Brass) AA  
**New York City**  
 Abels & Co., 137 E. Houston  
 (Wire) .....D  
 Almone Mfg. Co. (Bamboo)  
 ..B  
 Friedrichs, E. H. (Artists')  
 ..A  
**Judd & Co., H. L. (Brass;**  
 Wire) .....AA  
**New York Silicate Book**  
 Slate Co., 68 Church  
 (Blackboard) .....D  
**N. Y.—Rochester**  
 Yawman & Erbe Mfg. Co.  
 (Rattan; Wicker) ....AA  
**PA.—Allegheny**  
 Pittsburg Lamp & Brass &  
 Glass Co. (Brass) ..AAAA  
**WIS.—Milwaukee**  
 Meinecke & Son, A. (Bam-  
 boo; Rattan; Wicker) AA

## EBONY GOODS

Toilet, etc.

**ILL.—Rockford**  
 Ash, J. B. ....F  
**New York City**  
 Avirbick, M. J., 19 Maiden  
 Lane .....A  
 Gorham Mfg. Co., 19th &  
 Broadway .....AAAA  
 Dietsch Bros., 14 E. 17th X  
 Harrell Leather Goods Co.,  
 554 Broadway .....C  
 Langsdorf & Co., S., 18  
 Crosby .....AA  
 Selwyn Importing Co., 18 E.  
 17th .....A  
 Trout & Co., Chas. L., 7  
 Maiden Lane .....D  
 Whiting Mfg. Co., 18th &

**EBONY GOODS (Con.)**  
 Broadway .....AAA  
**OHIO—Akron**  
 Goehring Mfg. Co. ....B

## ECONOMIZERS

**MASS.—Boston**  
 Sturtevant Co., B. F.  
 (Fuel) .....AAA  
**MICH.—Detroit**  
 Burton & Co., W. J., 164 W.  
 Larned (Fuel) .....C  
**N. Y.—Matteawan**  
 Green Fuel Economizer Co.  
 (Fuel) .....B  
**New York City**  
 Steam Boiler Equipment Co.,  
 20 W. Houston (Fuel;  
 Hydro-Carbon System) ..D  
**PA.—York**  
 Broomell, Schmidt, Steacy &  
 Co. (Fuel) .....A

## ECRASEURS

**ILL.—Chicago**  
 Hausmann & Dunn  
 (Cautery) .....C  
**New York City**  
 Seabury & Johnson  
 (Cautery) .....AA

## EDGERS

**CAL.—San Francisco**  
 California Saw Wks. (Gang  
 Saw) .....A  
**GA.—Atlanta**  
 DeLoach Mill Mfg. Co.  
 (Gang Saw) .....B  
**IND.—Indianapolis**  
 Sinkler-Davis Co. (Rotary)  
 ..B  
**IND.—Montpelier**  
 Jackson Shovel & Tool Co.  
 (Turf) .....B  
**IOWA—Fort Madison**  
 Iowa Farming Tool Co.  
 (Turf) .....A  
**LA.—Shreveport**  
 Henderson Iron Wks., W. K.  
 (Gang Saw) .....AA  
**MAINE—Bangor**  
 Union Iron Wks. (Double;  
 Gang Saw) .....A  
**MASS.—Orange**  
 Chase Turbine Mfg. Co.  
 (Board) .....A  
**MICH.—Alpena**  
 Klein, Lewis T. (Gang Saw)  
 ..D  
**MICH.—Bay City**  
 Garland Co., M. (Gang Saw;  
 Lumber) .....C  
**MICH.—Grand Rapids**  
 Butterworth & Lowe (Gang  
 Saw) .....A  
**MICH.—Greenville**  
 Gordon Hollow Blast Grate  
 Co. (Gang Saw) .....B  
**MICH.—Jackson**  
 Withington & Cooley Mfg.  
 Co. (Turf) .....AA  
**MICH.—Kalamazoo**  
 Hill & Co., W. E. (Gang  
 Saw) .....B  
**MICH.—Menominee**  
 Prescott Co., D. Clint.  
 (Gang Saw; Lumber) ..A  
**MICH.—Saginaw**  
 Wickes Bros. (Gang Saw)  
 ..AAA

**MINN.—Minneapolis**  
 Howell & Co., R. R. (Gang  
 Saw; Single) .....B  
**MISS.—Corinth**  
 Adams Machine Co., W. F.  
 (Gang Saw) .....AA  
**MO.—St. Louis**  
 Johnson Machinery Co.,  
 Moses B. (Gang Saw) ..F  
**N. J.—Paterson**  
 Boyle & Sons, John (Single)  
 ..A  
**N. Y.—Belmont**  
 Clark Bros. Co. (Gang Saw)  
 ..A  
**N. Y.—Buffalo**  
 Frank Machinery Co. (Gang  
 Saw) .....C  
 Holmes Machinery Co., 59  
 Chicago (Gang Saw) ..B

**EDGERS (Con.)**

**N. Y.—Frankfort**  
Continental Tool Co. (Solid  
Steel; Bronze Finish Turf) A

**N. Y.—Nowburg**  
Chadborn & Caldwell Mfg.  
Co. (Turf) .....O

**New York City**  
Amer. Woodworking Mach-  
ine Co., 136 Liberty  
(Double; Gang Saw; Lum-  
ber) .....AAAA

**OHIO—Canton**  
Knight Mfg. Co. (Gang Saw;  
Single) .....B

**OHIO—Cincinnati**  
Fay & Egan Co., J. A., cor.  
Front & John (Gang Saw)  
AAAA

**Lane & Bodley Co. (Rotary)** B

**Smith Meyers & Schnier Co.**  
(Gang Saw; Lumber) ..B

**OHIO—Cleveland**  
Amer. Fork & Hoe Co.  
(Turf) .....AAAA

**OHIO—Columbus**  
Crown Hinman & Hunting-  
ton Co. (Rotary) .....A

**PA.—Erie**  
Standard Saw Mill Machin-  
ery Co. (Gang Saw) ...B

**Stearns Mfg. Co. (Gang  
Saw; Lumber)** .....B

**PA.—Williamsport**  
Moltz, Jacob J. (Gang Saw)  
O

**United States Machine Co.**  
(Gang Saw) .....D

**TENN.—Chattanooga**  
Wheland Machine Works  
(Rotary; Gang Saw) ...A

**TENN.—Jackson**  
Southern Engine & Roller  
Wks. (Inc.) (Gang Saw)  
AA

**VT.—Bennington**  
Scott, Olin (Single) .....A

**VT.—Montpelier**  
Lane Mfg. Co. (Double;  
Gang Saw; Lumber; Ro-  
tary) .....A

**WASH.—Seattle**  
Vulcan Iron Wks. Co.  
(Gang Saw) .....A

**WIS.—Eau Claire**  
Phoenix Mfg. Co. (Gang  
Saw) .....A

**WIS.—Milwaukee**  
Allis-Chalmers Co. (Gang  
Saw) .....AAAA

**Filer & Stowell Co. (Gang  
Saw; Double; Lumber)**  
AAA

**WIS.—Stevens Point**  
Cook, R. A. (Gang Saw) .B

**WIS.—Wausau**  
Murray Mfg. Co., D. J.  
(Double; Gang Saw) A

**EDGES**

**CONN.—Hartford**  
Pratt & Whitney Co.  
(Straight) .....AAAA

**IND.—Indianapolis**  
Atkins & Co., E. C., 402 S.  
Illins (Straight) AAAA

**Barry Saw Co., 228 S. Penn.**  
(Straight) .....B

**MASS.—Athol**  
Athol Machine Co.  
(Straight) .....B

**Starrett Co., L. S. (Straight)**  
A

**MASS.—Fitchburg**  
Putnam Machine Co.  
(Straight) .....A

**Sawyer Tool Mfg. Co.**  
(Straight) .....C

**Simonds Mfg. Co. (Straight)**  
AAA

**MICH.—Grand Rapids**  
Baldwin, Tuthill & Bolton  
(Straight) .....B

**New York City**  
Kenuff & Esser Co., 127  
Fulton (Straight) .....AA

**OHIO—Cleveland**  
Standard Tool Co. (Straight)  
AA

**PA.—Philadelphia**  
Campbell, Peter F.

**EDGES (Con.)**

(Straight) .....D  
**Dixson & Sons, Henry (Inc.)**  
(Straight) .....AAAA

**S. I.—Providence**  
Brown & Sharpe Mfg. Co.  
(Straight) .....AAAA

**EGGS**

**CONN.—Hartford**  
Sturtevant, P. C. (Glass  
Nest) .....D

**New York City**  
Demuth Glass Mfg. Co., 89  
Walker (Glass) .....X

**PA.—Philadelphia**  
Gill & Co. (Inc.) (Nest) ..A

**S. C.—Charleston**  
Valk & Murdock Iron Wks.  
(Acid) .....B

**EIKONOGEN**

**MO.—St. Louis**  
Mallinckrodt Chemical Co.  
AAAA

**EJECTORS**

See also Subjectors

**ILL.—Chicago**  
Shone Co., 455 N. 46th (Jet  
Pump or Syphons; Pneu-  
matic) .....B

**ILL.—Du Quoin**  
Blakeslee Mfg. Co. (Jet  
Pumps or Syphons) ....B

**MICH.—Detroit**  
Penberthy Injector Co., 346  
Holden Av. (Jet Pumps  
or Syphons) .....A

**MICH.—Port Huron**  
Lee Injector Mfg. Co. (Jet  
Pumps or Syphons) ....B

**MO.—St. Louis**  
Nelson Mfg. Co., N. O. 8th  
& St. Charles (Jet Pumps  
or Syphons) .....AAA

**N. Y.—Brooklyn**  
Munkenbeck Bros., 88 Ham-  
ilton (Jet Pumps or Sy-  
phons) .....D

**Schaffer & Budenberg Mfg.**  
Co., 10 Division (Jet  
Pumps or Syphons) ....D

**N. Y.—Buffalo**  
Sherwood Mfg. Co., 34  
Wash'n (Jet Pumps or Sy-  
phons) .....B

**New York City**  
Bushnell Co., Jno. S., 120  
Liberty (Jet Pumps or  
Syphons) .....E

**Fairbanks Co., 416 Broome**  
AAAA

**McNab & Harlin Mfg. Co.,**  
56 John .....AAA

**Manning, Maxwell & Moore**  
85 Liberty .....AA

**Nason Mfg. Co., 71 Beek-  
man (Jet Pumps or Sy-  
phons)** .....B

**Nathan Mfg. Co., 92 Liberty**  
(Jet Pumps or Syphons) A

**N. Y.—Ogdensburg**  
Nash Bros. & Co. (Jet  
Pumps or Syphons) ....A

**OHIO—Cincinnati**  
McGowan Co., Jno. H., 56  
Central Av. (Jet Pumps  
or Syphons) .....A

**OHIO—Wadsworth**  
Ohio Injector Co. (Jet Pumps  
or Syphons) .....A

**PA.—Erie**  
Watson, N. A. (Jet Pumps  
or Syphons) .....A

**PA.—Philadelphia**  
Belfield & Co., H., 435 N.  
Broad (Jet Pumps or Sy-  
phons) .....AA

**Evan-Evans Mfg. Co., 1519**  
Clearfield (Jet Pumps or  
Syphons) .....A

**Loneragan & Co., Jas. E., 211**  
Race (Jet Pumps or Sy-  
phons) .....AA

**Pancoat & Co., Henry B.,**  
243 S. 3rd (Jet Pumps or  
Syphons) .....B

**Rue Mfg. Co., 215 Race (Jet**  
Pumps or Syphons) .....C

**Schutte & Koerting Co., 1251**

**EJECTORS. (Con.)**

N. 12th (Jet Pumps or Syphons) .....A  
 Watson & McDaniel Co., 148  
 N. 7th (Jet Pumps or Syphons) .....C  
**PA.—Pittsburg**  
 Chaplin-Fulton Mfg. Co., 28  
 Penn. Av. (Jet Pumps or Syphons) .....A

**ELASTICS**

See Webbing

**ELBOWS**

**CONN.—Bridgeport**  
 Belknap Mfg. Co. (Radiator; Brass) .....C  
**DEL.—Marshallton**  
 Marshallton Iron & Steel Co. (Pipe) .....B  
**ILL.—Chicago**  
 Excelsior Steel Furnace Co., 40 W. Monroe (Adjustable &c.) .....A  
 Morgan & Wright (Inc.) 333 W. Lake (Plumbers' Rubber) .....AA  
 Sturges & Burn Mfg. Co. (Stove Pipe) .....A  
 Tressing & Co., E., 179 Lake (Adjustable) .....E  
**ILL.—Peoria**  
 Clark, Queen & Morse (& Shoes) .....A  
**IND.—Fort Wayne**  
 Kerr Mfg. Co., Murray (Pipe) .....A  
**MD.—Hagerstown**  
 Hunter, C. S. (Furnace) E  
**MASS.—Boston**  
 Howes Co., S. M. (Stove Pipe) .....B  
**MASS.—Cambridge**  
 Lamb & Ritchie (Corrugated; Galvanized Iron) .AA  
**MASS.—Worcester**  
 New England Steel Roofing Co. (Corrugated) .....F  
**MICH.—Detroit**  
 Stephens-Roe Mfg. Co. (Brass Union) .....A  
**N. Y.—Buffalo**  
 Shepard & Co., Sidney (Stove Pipe; Pipe; Conductor) .....AAAA  
**New York City**  
 Corwin, M. M. (Adjustable Stove Pipe) .....D  
 Froelich, A. (Est. of) (Adjustable Stove Pipe) B  
 Good Mfg. Co., 88 Lincoln Av. (Rubber) .....B  
 Marcy Stove Repair Co. (Adjustable Stove Pipe) B  
 Stoutenborough, X. (Adjustable Stove Pipe) .....D  
 Stove Manufacturers Repair Ass'n. (Adjustable Stove Pipe) .....F  
**N. Y.—Troy**  
 Troy Stamping Co. (Stove Pipe) .....AAAA  
**N. Y.—Utica**  
 International Heater Co. (Stove Pipe) .....AAA  
**OHIO—Canton**  
 Berger Mfg. Co. (Pipe; Conductor; Shoes) .....AA  
 Canton Steel Roofing Co. (Pipe; Conductor; Shoes) A  
**OHIO—Cincinnati**  
 Corrugated Elbow Co., 114 E. Liberty (Corrugated) D  
 Edwards Mfg. Co. (Stove Pipe) .....C  
**OHIO—Cleveland**  
 Cleveland Elbow Co. (Adjustable Stove; Galvanized Stove) .....C  
 Garry Iron & Steel Co. (Pipe Conductor; Shoes) A  
**OHIO—Festoria**  
 Fostoria Novelty Co. (Lead Pipe) .....C  
**OHIO—Hamilton**  
 Kahn & Bros., F. & L. (Stove Pipe) .....A  
 Myers Mfg. Co., F. J. (& Shoes) .....B  
**OHIO—New Philadelphia**  
 Ohio Stove Pipe Mfg. Co.

**ELBOWS (Con.)**

(Corrugated Stove Pipe) B  
**OHIO—Miles**  
 Bostwick Steel Lath Co. (Galvanized) .....C  
**OHIO—Piqua**  
 Standard Mfg. Co. (Corrugated) .....X  
**OHIO—Warren**  
 Winfield Mfg. Co. (Stove Pipe) .....B  
**PA.—Philadelphia**  
 Berger Bros. Co. (Stove Pipe; Pipe; Conductor; Shoes) .....A  
 Pfeifer & Co., John (Ltd.) (Stove Pipe) .....A  
**PA.—Pittsburg**  
 Budke Mfg. Co. (Stove Pipe) B  
**TENN.—Chattanooga**  
 Chattanooga Roofing & Foundry Co. (Stove Pipe) A  
**W. VA.—Wheeling**  
 Wheeling Corrugating Co. (Pipe) .....AAAA

**ELECTRODES**

**ILL.—Chicago**  
 Birtman & Co., C. F. (Cautery) .....C  
 Friedlander & Co., R., 43 State (Glass) .....D  
 Scheidel & Co., W., 171 E. Rand (Glass; Metal) ..D  
**MD.—Baltimore**  
 Chloride of Silver Dry Cell Battery Co. (Medical) ..B  
**New York City**  
 Bunnell & Co., J. H., 20 Park Row (Galvanic; Faradic; Vacuum) .....V  
 Van Houten & Ten Broeck Co., 300 4th Av. (Galvanic; Faradic; Vacuum) ..D  
**OHIO—Cleveland**  
 National Carbon Co. (Smelting) .....AAAA  
**PA.—Washington**  
 Washington Carbon Co. (Carbon) .....A

**ELECTROMETERS**

**ILL.—Chicago**  
 Western Electric Co. AAAA  
**New York City**  
 Bunnell & Co., J. H. ....B  
**N. Y.—Schenectady**  
 General Electric Co. ....AAAA

**ELEVATORS**

**ARK.—Little Rock**  
 Thomas-Fordyce Mfg. Co. (Cotton) .....A  
**CAL.—San Francisco**  
 California Electrical Wks., 547 Mission (Electric) A  
 Hammond & Co., Jno., 2nd & Townsend (Electric) B  
 Hendy Machine Wks., Joshua (Hydraulic) .....AA  
 San Francisco Tool Wks. (Passenger) .....B  
**CONN.—New Haven**  
 Eastern Machinery Co. (Freight; Belt) .....B  
 Harrison, Leonard D. (Grain) .....H  
**GA.—Atlanta**  
 Van Winkle Gin & Machine Wks., E. (Seed; Cotton) .....AAA  
**ILL.—Batavia**  
 U. S. Wind Engine & Pump Co. (Grain) ....AA  
**ILL.—Chicago**  
 Adams Bros. & Co., 355 31st (Hed) .....F  
 Allis-Chalmers Co., Home Ins'ce. Bldg. (Quicksilver; Belt) .....AAAA  
 Caldwell & Son Co., H. W. Western Av. & 17th (Automatic Barrel; Grain; Water; Belt) .....AA  
 Eaton & Prince Co., 76 Michigan (Electric; Hand Pow-

**ELEVATORS (Con.)**

er; Hydraulic; Passenger;  
Steam Hydraulic; Belt;  
Freight) .....A  
Kaestner & Co., (Inc.) 241  
E. Jefferson (Carriage;  
Electric; Alternating Cur-  
rent; Passenger; Freight;  
Hand) .....A  
Link Belt Engineering Co.  
(Tile; Water) .....AAA  
National Hoist Machine Co.,  
463 W. 22d (Hod) .....G  
Reedy Elevator Mfg. Co., J.  
W., 91 Illinois (Electric)  
.....A  
Thomas Elevator Co., 188  
Wash'n. (Hod) .....B  
Union Elevator & Machine  
Co., 144 Ontario (Car-  
riage; Electric; Hand;  
Sidewalk) .....O  
Webster Mfg. Co., 1075 W.  
15th (Freight; Barrel;  
Package) .....AA  
Winslow Elevator & Machine  
Co., 100 No. Clinton (Elec-  
tric) .....D  
**ILL.—Harvey**  
Whiting Foundry Equipment  
Co. (Foundry) .....AA  
**ILL.—Moline**  
Barnard & Leas Mfg. Co.  
(Flour Mills) .....AA  
Moline Elevator Co. (Elec-  
tric; Hod; Sidewalk) A  
**ILL.—Streator**  
Iwan Bros. (Tile) .....C  
**IND.—Evansville**  
Grote Mfg. Co. (Combina-  
tion; Hand; Power; Elec-  
tric) .....D  
Mesker & Co., Geo. L.  
(Hand) .....AA  
**IND.—Indianapolis**  
Commercial Electric Co.  
(Electric) .....A  
Nurdyke & Marmon Co.  
(Flour; Grain) .....AAA  
Potts & Co., C. A. (Brick) B  
**IND.—Terre Haute**  
Prox & Brinkman Mfg. Co.  
(Coal; Steam Power) ...A  
**IOWA—Council Bluffs**  
Kimball Bros. Co. (Electric;  
Hand Power; Steam Pow-  
er) .....A  
**IOWA—Ottumwa**  
Ottumwa Iron Wks. (Coal)  
.....B  
**KANS.—Enterprise**  
Ehrsam Machine Co., J. B.  
(Freight) .....B  
**KANS.—Leavenworth**  
Great Western Mfg. Co.  
(Flour Mill) .....AA  
**KY.—Louisville**  
Amer. Machine Co. (Elec-  
tric; Hand) .....B  
Vogt Machine Co., Henry  
(Belt Power; Freight;  
Hand Power; Electric) AA  
**LA.—Amite City**  
Gillet Gin Co. (Cotton) ...A  
**MAINE—Portland**  
Portland Co. (Plunger) AA  
**MD.—Baltimore**  
Baltimore Machine & Ele-  
vator Wks., 605 Water  
(Electric) .....X  
Bartlett, Hayward & Co.  
(Freight; Hand Power;  
Passenger; Coal; Gas  
Works) .....B  
Bates Sons, Jas. (Hand) B  
Ellicott Machine Co., Sev-  
ern & Bush (Electric) C  
Poole Engineering & Mach.  
Co. (Grain) .....AA  
**MASS.—Boston**  
Amer. Tool & Machine Co.  
(Sugar) .....AA  
Blount & Lowell (Hand  
Power) .....X  
Hersay Mfg. Co., 314 W. 2d  
(Cotton) .....AA  
McLauthlin Co., Geo. F., 120  
Fulton (Sidewalk) .....A  
Moore & Wyman Elevator &  
Machine Wks., Granite &  
Richards (Electric) ....C  
Morse & Son, A. J. (Passen-  
ger) .....C  
Seelye Mfg. Co. (Freight) O

**ELEVATORS (Con.)**

Steel Cable Engineering Co.,  
92 State (Barrel; Pack-  
age; Steel Cable Bucket) B  
Sturtevant & Co., B. F.  
(Cotton) .....AAA  
Whittier Machine Co.  
(Freight; Steam Power) A  
**MASS.—Florence**  
Norwood Engineering Co.  
(Belt Power; Factory;  
Freight) .....B  
**MASS.—Holyoke**  
Holyoke Machine Co.  
(Freight) .....AA  
Jolly, J. & W. (Hand) ...A  
**MASS.—Orange**  
Chase Turbine Mfg. Co.  
(Freight) .....A  
**MASS.—Pittsfield**  
Jones & Sons Co., E. D.  
(Factory; Freight; Hand  
Power; Steam Power) B  
**MASS.—Salem**  
Salem Elevator Wks. (Cot-  
ton; Hand Power; Passen-  
ger; Vehicle; Belt; Elec-  
tric; Freight) .....B  
**MASS.—Springfield**  
Electron Mfg. Co., 60 Wil-  
braham Rd. (Electric  
Sidewalk) .....A  
Springfield Foundry Co.  
(Belt Power; Factory;  
Freight; Hydraulic; Pas-  
senger; Street Car) ....A  
**MICH.—Battle Creek**  
Advance Thresher Co.  
(Grain) .....AAAA  
**MICH.—Bay City**  
Industrial Works (Freight)  
.....AA  
**MICH.—Detroit**  
Amer. Blower Co.  
(Cotton) .....AA  
Anderson & Sons, W. H.  
(Hod) .....O  
Buhl Malleable Co. (Barrel;  
Package; Water) .....A  
Gardner Elevator Co., River  
& 21st (Electric) .....A  
Huetteman & Cramer Co.  
(Clay) .....A  
Northern Engineering Wks.  
(Freight; Foundry; Belt;  
Electric) .....A  
**MINN.—Minneapolis**  
Barnett & Record Co.  
(Grain) .....A  
Craig & Co., W. H., 415 6th  
Av. (Electric) .....E  
**MINN.—St. Paul**  
Amer. Hoist & Derrick Co.  
(Hod) .....AAA  
Franklin Machine Wks., 205  
W. 5th (Electric; Hand  
Power; Belt) .....D  
**MO.—St. Louis**  
Abadie & Co., E. H., Bank  
of Com. Bldg. (Electric;  
Hydraulic) .....B  
Kingsland Mfg. Co. (Cotton)  
.....B  
Miller Elevator Mfg. Co.,  
Wm. A., 117 Pine (Car-  
riage; Electric; Hand) D  
Moon Elevator Co., 5th &  
Mullanphy (Carriage;  
Electric; Hand) .....F  
Shultz Belting Co. (Freight)  
.....AA  
**N. J.—Highbridge**  
Taylor Iron & Steel Co.  
(Bucket) .....AAAA  
**N. J.—Newark**  
Currier & Sons, Cyrus  
(Freight) .....AA  
Storm Mfg. Co. (Carriage;  
Electric; Hand; Invalid;  
Invalid Hand Power;  
Sidewalk; Passenger;  
Belt; Freight) .....B  
**N. Y.—Buffalo**  
Buffalo Forge Co. (Cotton)  
.....AAA  
Contractors' Plant Mfg. Co.  
127 Erie (Hod) .....B  
Howard Iron Wks. (Elec-  
tric; Hand; Freight; Pas-  
senger; Hydraulic; Belt) A  
Mey Chain Belting Engin-  
eering Wks., 14 Perry  
(Package) .....F

**ELEVATORS (Con.)**

Noye Mfg. Co., John T.  
(Flour Mill; Grain) ....X  
Steel Storage & Elevator  
Construction Co. (Fire  
Proof Grain) .....A  
**N. Y.—Cohoes**  
Cohoes Iron Foundry & Ma-  
chine Co. (Freight; Hy-  
draulic) .....B  
**N. Y.—Hudson**  
Gifford Bros. (Bucket; Ice)  
A  
**N. Y.—Long Island City**  
Stuebner, G. L. (Coal) ....B  
**New York City**  
Bowes, John J., 227 W. 29th  
(Sidewalk) .....D  
Cornell Co. J. B. & J. M.,  
20th & 11th Av. (Side-  
walk; Hand Power) ..AA  
Diamond Bros. (Sidewalk)  
A  
Dowdall, Chas. .. 152 W.  
Bway. (Sklewalk) ....F  
Edelmeyer & Morgan Hod  
Elevator Co., 333 W. 49th  
(Hod) .....E  
Edwards & Co., Joseph  
(Freight; Steam Power) F  
Gordon Bros., 176 Wooster  
(Sidewalk) .....B  
Hoffman Co., Ches. W., 223  
W. 28th (Sidewalk) ....D  
Hunt Co., C. W. (Coal) AA  
Marine Engine & Machine  
Co., 1132 Bway. (Electric;  
Automatic Plunger) ....B  
Mundt & Sons, Chas., 441  
Pearl (Automatic Barrel)  
B  
Murtaugh Co., Jas., 202 E.  
42d (Carriage; Invalid;  
Hand Power; Sidewalk) D  
**N. Y. Foundry & Machine**  
Co., 9 Murray (Automatic  
Barrel; Hand Power; Elec-  
tric Freight) .....D  
Otis Elevator Co., 71 Bway  
(Electric; Plunger; Fac-  
tory; Freight; Hydraulic;  
Passenger) .....AAAA  
Pelham Hod Elevating Co.,  
416 W. 26th (Hod) ....B  
Reedy Elevator Co., 407 W.  
15th (Electric; Belt Pow-  
er) .....A  
See Electric Elevator Co., A.  
B., 220 Bway. (Electric)  
AAA  
Somnerville, John, 50 Mc  
Dougal (Sidewalk) ....F  
Sprague Electric Co.  
(Electric) .....AAAA  
Standard Plunger Elevator  
Co., 1 Bway. (Plunger) B  
Thomas & Buckley Hod  
Elevator Co., 317 W. 64th  
(Hod) .....X  
**N. Y.—North Tonawanda**  
Armitage & Herschell Co.  
(Electric; Hydraulic) ..B  
**N. Y.—Poughkeepsie**  
Sedgwick Machine Wks.  
(Carriage; Hand; Invalid;  
Hand Power; Sidewalk)  
D  
**N. Y.—Rochester**  
Kohlmetz, Chas. E., 180 N.  
Water (Sidewalk) ....B  
Michel Machine Co., 23 S.  
Water (Sidewalk) .....H  
**N. Y.—Syracuse**  
Houser Elevator Co. (Elec-  
tric) .....C  
**N. Y.—Troy**  
Bernard Co., E. G. (Elec-  
tric) .....D  
**N. Y.—Warsaw**  
Warsaw Elevator Co. (Bar-  
rel; Package; Carriage;  
Combination; Hand;  
Power; Electric Sidewalk;  
Hand; Invalid; Hand  
Power Traveling Coal;  
Passenger; Vehicle; Wa-  
ter; Belt; Electric;  
Freight) .....B  
**OHIO—Akron**  
Webster, Camp & Lane  
Mach. Co. (Clay) ..AAAA  
**OHIO—Bucyrus**  
Amer. Clay Working Mach.

**ELEVATORS (Con.)**

Co. (Clay; Tile) .....X  
**OHIO—Canton**  
Aultman Co. (Barrel; Pack-  
age) .....AAAA  
**OHIO—Cincinnati**  
Curran Elevator Co., Jas.  
H. (Electric Sidewalk).D  
Fritch Mfg. Co., Francis  
(Malt; eer) .....X  
Lane & Bodley Co. (Freight;  
Steam Power; Hydraulic;  
Brick) .....B  
Miller, L. J. (Freight) ...X  
Obermayer Co., S. (Foun-  
dry) .....AA  
Reedy Co., H. J., 8th, Lock  
& Reedy (Barrel; Pack-  
age; Carriage; Combina-  
tion; Hand; Power; Elec-  
tric; Foundry; Hand;  
Invalid; Hand Power;  
Sidewalk; Belt Power;  
Factory; Freight; Hydrau-  
lic; Passenger Ware-  
house) .....C  
Triumph Electric Co., 610  
Baymiller (Electric) ...A  
Warner Elevator Mfg. Co.,  
Spring Grove Av., Alfred  
& Valley (Carriage; Belt;  
Electric; Hand; Invalid;  
Hand Power; Sidewalk;  
Freight; Hydraulic; Pas-  
senger; Steam Power)AA  
**OHIO—Cleveland**  
Bartlett & Snow Co., C. O.  
(Barrel; Package; Water  
for Mine; Quarry) .....A  
National Iron & Wire Co.  
(Passenger) .....B  
O'Donnell Elevator Co., 22  
Johnson (Electric;  
Freight) .....B  
Oram, Jno. S., 160 Coe (Bar-  
rel; Package) .....A  
**OHIO—Columbus**  
Case Mfg. Co. (Grain;  
Belt) .....A  
Jeffrey Mfg. Co. (Barrel;  
Package; Brick; Tile;  
Belt; Water for Mine;  
Quarry) .....AAAA  
**OHIO—Dayton**  
Roberts & Co., Geo. J.  
(Hydraulic) .....A  
**OHIO—Ravenna**  
Byers Machine Co., John F.  
(Hod; Double Platform)  
AA  
**OHIO—Salem**  
Clarke Co., W. J. (Grain).A  
Silver Mfg. Co. (Enslage  
Cutter) .....AA  
**OHIO—Toledo**  
Haughton Elevator Mach.  
Co., 124 S. Huron (Elec-  
tric Sidewalk; Foundry;  
Hand; Invalid; Hand  
Power) .....O  
**OHIO—Warren**  
Trumbull Mfg. Co. (Saw-  
dust) .....O  
**OHIO—Wellsville**  
Stevenson & So. (Clay)...B  
**PA.—Coatsville**  
Ridgway & Son Co., Craig  
(Steam Hydraulic) .....A  
**PA.—Muncy**  
Sprout, Waldron & Co.  
(Flour Mill) .....A  
**PA.—Philadelphia**  
Chambers Bros. Co. (Clay)  
AA  
Cresson Co., Geo. V., 18th  
& Allegheny Av. (Belt)  
AA  
Dallett & Co., Thos. H.  
(Electric) .....B  
Energy Elevator Co., 408  
Cherry (Hand Power; Ve-  
hicle; Belt; Freight)...D  
Harrington Son & Co., E.  
(Hand Power) .....AA  
Link Belt Engineering Co.  
(Freight) .....AA  
Morse, Williams & Co.,  
West End Trust Bldg.  
(Carriage; Combination;  
Hand Power; Cotton;

## ELEVATORS (Con.)

Electric; Hand; Invalid  
Hand Power; Sidewalk  
Belt Power; Freight; Hy-  
draulic; Passenger, Steam  
Power; Brick; Belt)...AA  
Schnitzler, Chas. H. (Spool) D

Stokes & Parrish Elevator  
Co. (Freight; Hydraulic;  
Passenger) .....A

U. S. Elevator Co., Bourse  
Bldg. (Automatic Safety;  
Hand; Sidewalk) .....D

PA.—Pittsburg

Heyl & Patterson, 51 Wa-  
ter (Travelling; Coal)...AA  
Marshall Bros. (Freight) AA

Ritter-Conley Mfg. Co.  
(Grain) .....AAA

PA.—Pittston

Exeter Machine Works (Bar-  
rel; Package) .....AA

PA.—Reading

Reading Crane & Hoist  
Wks. (Sidewalk) .....A

Spedel, J. G., cor. Button-  
wood & Gordon (Hand;  
Invalid; Hand Power;  
Sidewalk; Belt) .....B

PA.—Scranton

National Elevator & Ma-  
chine Co. (Electric) ....A

PA.—South Bethlehem

Bethlehem Foundry & Ma-  
chine Co. (Sidewalk;  
Hand Power) .....C

PA.—Wilkesbarre

Vulcan Iron Wks. (Coal;  
Gas Works Coal)...AAAA

R. I.—Providence

Mason & Co., Volney W.  
(Carriage) .....D

VA.—Richmond

Cardwell Machine Co.  
(Warehouse) .....A

WIS.—Cudahy

Power & Mining Machinery  
Co. (Bucket) .....AAA

WIS.—Milwaukee

Allis-Chalmers Co. (Quick-  
silver) .....AAAA

Barth Mfg. Co., 15th & St.  
Paul (Carriage; Electric;  
Hand; Sidewalk) .....C

Brodeur Elevator Mfg. Co.  
(Electric; Hand) .....X

Filer & Stowell Co. (Ltd.)  
(Sawdust) .....AAA

Kleckhefer Elevator Co., A.  
(Electric; Hod; Belt Pow-  
er; Carriage; Factory;  
Freight Hand Power; Hy-  
draulic; Passenger; Side-  
walk; Steam Power;  
Street Car; Warehouse)...C

## ELIMINATORS

New York City

Robertson & Sons, Jas. L.,  
205 Fulton (Oil) .....E

OHIO—Springfield

Hoppes Mfg. Co. (Oil)...A

PA.—Wilkesbarre

Nicholson & Co., W. H.  
(Automatic) .....C

## ELIXIRS

ILL.—Chicago

Baker & Co., Chas. S. ....C

IND.—Indianapolis

Lilly & Co., Eli .....AA

MD.—Baltimore

Resinol Chem. Co. ....B

Sharp & Dohme .....AAA

MASS.—Cambridge

Thayer & Co., Henry.....A

MICH.—Detroit

Parke, Davis & Co. ....AAAA

Stearns & Co., Fdk. ....AAA

MICH.—Kalamazoo

Upjohn Co. ....AA

N. Y.—Albany

Moore, J. ....D

New York City

Caswell, Massey & Co....X

Fairchild Bros. & Foster...AA

Keith & Co., B. ....F

## ELIXIRS (Con.)

McKesson & Robbins.AAAA  
Riker & Son Co., Wm. B..AA

Schleffeln & Co., W. H.AA

PA.—Philadelphia

Hance Bros. & White ...AA

Mulford Co., H. K....AAA

## ELLS

## ELM

See Lumber

MO.—St. Louis

Nelson Mfg. Co., N. O.

(Closet; Flush) ....AAA

OHIO—Cincinnati

Eureka Brass Wks.

(Union) .....E

## EMBLEMS

See also Jewelry

ILL.—Chicago

Amer. Terra Cotta & Cera-  
mic Co. (Terra Cotta)...A

MASS.—Attleboro

Robbins Co., Chas M. (Ma-  
sonic; Society) .....C

N. J.—Newark

Durand & Co. (Inc.) (Ma-  
sonic; Society) .....AA

N. J.—Perth Amboy

Perth Amboy Terra Cotta  
Co. (Terra Cotta) ....AA

New York City

Braxmar Co., C. G. (Ma-  
sonic; Society; Masonic  
Society Cuff Button) ...B

Excelsior Terra Cotta Co.  
(Terra Cotta) .....A

Lamb, J. R. (Masonic; So-  
ciety) .....D

Myers Co., S. F. (Masonic;  
Society) .....D

Richardson & Co., J. W.  
(Masonic; Society) ....D

Sinnock & Sherrill (Masonic;  
Society) .....B

PA.—Philadelphia

Bingham, James (Masonic;  
Society) .....H

Cassel, Jacob C. (Terra  
Cotta) .....D

Englehart, Wm. F. (Ma-  
sonic; Society) .....B

Parry & Sons, Thos. (Ma-  
sonic; Society) .....D

PA.—Reading

Reading Terra Cotta &  
Stove Lining Wks. (Terra  
Cotta) .....C

R. I.—Providence

Darling & Co., C. C. (Ma-  
sonic; Society) .....B

Irons & Russell (Masonic;  
Society) .....A

White, Mathewson & Co.  
(Masonic; Society) ....B

## EMBOSSERS

CAL.—San Francisco

Ingerson & Glasier Co.  
(Glass) .....D

Schmitz & Hopps, 62 8th  
(Glass) .....F

ILL.—Chicago

Rawson & Evans, 151 W.  
Washington (Glass) ...C

Suess Ornamental Glass Co.,  
48 N. Clinton (Glass)...D

Western Sand Blast Co., W.  
Jackson Boul. & South  
Clinton (Glass) .....C

MASS.—Boston

Redding, Baird & Co., 83  
Franklin (Glass) .....B

N. Y.—Brooklyn

Jones Decorative Glass Co.,  
Thos., Concord & Hudson  
Av. (Glass) .....C

New York City

Carter, C. W. H. (Stamping  
Varnish) .....A

Dougherty, James, 435

B'way (Glass) .....B



**EMBOSSERS (Con.)**  
Potts Bros., 210 Center  
(Glass) .....F  
Rae & Co., G., 436 W.  
B'way (Glass) .....F  
Schaefer Bros., 457 B'way  
(Glass) .....F  
Van Horne & Co., D. A.,  
44 Vestry (Glass) .....B  
**OHIO—Dayton**  
Serbold Machine Co.  
(Paper) .....A  
**PA.—Philadelphia**  
French & Co., Saml. H.,  
York Av., 4th & Callow-  
hill (Glass) .....A  
Gillinder & Sons (Inc.), 135  
Oxford (Glass) .....A  
Reith, Wm., 134 N. 7th  
(Glass) .....C  
Smith & Sons, H. J., 271 S.  
5th (Glass) .....D  
**PA.—Pittsburg**  
Pittsburg Plate Glass Co.,  
Frick Bldg. (Glass)AAAA  
**WIS.—Milwaukee**  
Van Horn, Danl., 537 17th  
(Glass) .....H

## EMBROIDER- IES

**CAL.—San Francisco**  
Higginbotham & Co. (Silk) B  
**CONN.—Bridgeport**  
Cylindrograph Embroidery  
Co. (Silk) .....B  
**ILL.—Chicago**  
Chicago Braiding & Embroid-  
ery Co., 116 Market  
(Silk) .....B  
Chicago Embroidery Co., 492  
W. Ohio (Silk) .....D  
Garden City Embroidery  
Wks. (Swiss) .....C  
Wilson Braiding & Embroid-  
ery Co., 183 Wabash Av.  
(Silk) .....D  
**MASS.—Haverhill**  
Dalrymple & Co., J. A....B  
**N. J.—Camden**  
Loeb & Schoenfeld Co. ....AAAA  
**N. J.—Newark**  
Borneman, Herman (Lace) AA  
**New York City**  
Benziger Bros. (Church)...A  
Brunner & Dreifuss (Silk) D  
Cox, Sons & Vining  
(Church) .....D  
Kursheedt Mfg. Co. (Lace;  
Silk) .....AA  
Lamb, J. & R. (Church)...D  
Locke & Alther (Com.)...B  
Oehle & Broecker (Silk)...C  
Schless, Theodore (Silk)...C  
**N. Y.—Tarrytown**  
Husted, A. P. (Silk) ....B

## EMERALDS

See Jewelry

## EMERY

**CONN.—Bridgeport**  
Bridgeport Safety Emery  
Wheel Co. ....F  
**CONN.—Derby**  
Oriental Emery Co. (Turk-  
ish) .....D  
**ILL.—Chicago**  
Chicago Wheel & Mfg. Co.,  
39 W. Randolph .....O  
**MASS.—Boston**  
Ashland Emery & Corun-  
dum Co., Boyleston (Cor-  
undum) .....A  
**MASS.—Leeds**  
Northampton Emery Wheel  
Co. ....A  
**MASS.—North Grafton**  
Washington Mills Emery  
Mfg. Co. ....B  
**MASS.—Westfield**  
Vitrified Wheel Co. ....C

**EMERY (Con.)**  
**N. Y.—Croton-on-Hudson**  
Crescent Abrasive Co.....X  
**New York City**  
Sheridan, Wm. H., 48  
Centre .....D  
**PA.—Philadelphia**  
Abrasive Material Co. ...A  
Keystone Emery Mills  
(Corundum) .....C  
**PA.—Stroudsburg**  
Tanite Co. ....A  
**R. I.—Providence**  
American Emery Wheel  
Wks. ....B

## EMULSIFIERS

**OHIO—Cincinnati**  
Day & Co., J. H. ....A

## EMULSION

**CONN.—Glenbrook**  
Phillips Chem. Chas. H...B  
**MAINE—Portland**  
Frye, Geo. C. ....A  
**MD.—Baltimore**  
Sharp & Dohme. ....AAA  
**MICH.—Detroit**  
Parke, Davis & Co...AAAA  
**New York City**  
McKesson & Robbins.AAAA  
Riker & Son Co., Wm. B...AA  
Scott & Bowne .....AAAA

## ENAMELLED WARE

**CONN.—Meriden**  
Manning, Bowman & Co...AA  
**CONN.—Middletown**  
New England Enamelling  
Co. (Cooking) .....B  
**ILL.—Chicago**  
Wolff Mfg. Co., 93 W. Lake  
AAAA  
Sturges & Burn Mfg. Co., A  
**IND.—Terre Haute**  
Columbian Enamelling &  
Stamping Co. ....AAA  
**MO.—St. Louis**  
Gelsel Mfg. Co. ....A  
St. Louis Stamping Co. ....AAAA  
**N. Y.—Buffalo**  
Shepard & Co., Sidney  
AAAA  
**N. Y.—Canandaigua**  
Lisk Mfg. Co. (Cooking)...AAA  
**New York City**  
Central Stamping Co., 24  
Cliff .....AA  
Iron-Clad Mfg. Co., 2 Cliff  
(Cooking) .....AA  
Lalance & Grosjean Mfg.  
Co. (Cooking, etc.)AAAA  
Markt & Co., 193 West (Im-  
ported White) .....AAA  
National Enamelling &  
Stamping Co., 81 Fulton  
(Cooking) .....AAAA  
Rothschild, Meyers & Co.,  
524 B'way (Cooking).AA  
**N. Y.—Rochester**  
Rochester Stamping Co.AAA  
**N. Y.—Rome**  
Rome Sanitary Wks.  
(Plumbers' Cast Iron)..B  
**OHIO—Bellaire**  
Bellaire Enamel Co. ....B  
**OHIO—Cleveland**  
Avery Stamping Co. ....B  
Bowman Co., Geo. H.  
(White Cooking, etc.)...A  
Cleveland Stamping & Tool  
Co. (Agate Cooking)...A  
**OHIO—Mansfield**  
Humphries Mfg. Co. (Cast  
Iron Sanitary) .....B  
**OHIO—New Philadelphia**  
Belmont Stamping & Enam-  
elling Co. (Iron) .....B  
**PA.—Allegheny**  
Star Enamelling & Stamp-  
ing Co. ....B

## ENAMELLED WARE

**PA.—Marietta**  
Marietta Casting Co. ....B  
Marietta Holloware & Enamelling Co. ....B  
**PA.—New Castle**  
New Castle Stamping Co.  
(Cooking) .....A  
**PA.—Pittsburg**  
Standard Mfg. Co. ....AA  
**E. I.—Providence**  
Narragansett Machine Co.  
(Iron) .....A  
**W. VA.—Moundsville**  
United States Stamping Co. ....A  
**WIS.—Sheboygan**  
Vollrath Mfg. Co., Jacob J.  
(Cooking, &c.) .....A

## ENAMELLERS

**ILL.—Chicago**  
Rawson & Evans, 151 Washington (Glass) .....C  
Suess Ornamental Glass Co., 48 N. Clinton (Glass) ...D  
**KY.—Louisville**  
Plum Art Glass Co., 308 7th (Glass) .....X  
**MD.—Baltimore**  
Gernhardt & Co., H. T., 409 E. Fayette (Glass) ....H  
**New York City**  
Dougherty, James, 435 W. B'way (Glass) .....B  
**OHIO—Dayton**  
Stevens Art Glass Co., 28 S. St. Clair (Glass) .....H  
**PA.—Philadelphia**  
French & Co., Saml. H. (Glass) .....A  
**E. I.—Providence**  
Amer. Enamel Co. (of Wood; Metal, etc.) ...B  
Narragansett Machine Co. (Iron; Wood) .....A

## ENAMELS

See also Paints

**CONN.—New Milford**  
Bridgeport Wood Finishing Co. ....AA  
**ILL.—Chicago**  
Adams & Elting Co., 155 W. Wash'n. (Bedstead) ...A  
Arnstein, Eugene, 35th & Shields Av. (Air Drying; Aluminum; Baking; Bath Tub; Radiator) .....A  
Bradley & Vrooman Co., 2633 Dearborn .....A  
Chicago Varnish Co., Dearborn Av. & Kinzie ...AA  
Chicago Wood Finishing Co., 261 Elston Av. ....A  
Ernecke & Salmstein, 295 Loomis (Marble Paint for Walls & Ceilings; Bath Tubs) .....C  
Nat'l. Fire Proof Paint Co., 40 Dearborn .....D  
Nubian Paint & Varnish Co. (Brewers) .....B  
Rubber Paint Co., 154 W. Van Buren (Baking) ...A  
Wadsworth-Howland Co., Indiana Av. & 13th ...A  
**ILL.—Rockford**  
Sovereign Co., C. E. (Rockford Top Dressing) ...C  
**IND.—Indianapolis**  
Burdeal Co., A., 102 S. Meriden (Porcelain; Bath Tub) .....A  
Lily Enamel & Paint Co. E  
**MICH.—Detroit**  
Acme White Lead & Color Wks. (Bath Tub; Brewers'; Radiator) ....AAA  
Detroit White Lead Wks. (Bicycle) .....AAA  
**N. J.—Jersey City**  
Woolsey Paint & Color Co., C. A. (Bicycles) .....A  
**N. J.—Newark**  
Bigelow Varnish Co., 356 Mulberry (White) .....C  
Cawley Clark & Co., 272

## ENAMELS (Con.)

Passaic .....AA  
Stiles, Chas. ....D  
**N. Y.—Buffalo**  
Buffalo Enamel & Stain Co., Ellicott Square (Paint) F  
McLennan Paint Co., (Ltd.) 175-195 Rano. (Baking; Bath Tub) .....AA  
**New York City**  
Aspinwall, Edwin, 98 Beekman (Importer) .....B  
Behlen & Bro., Herman, 5 N. William (Bath Tub) O  
Bensinger Co., C., 245 Bway (Boiler; Smoke Stack) X  
Billings, King & Co., 438 Pearl .....A  
De Ronde Co., Frank S., 46 Cliff .....B  
De Voe & Reynolds Co. ...AAAA  
Engel & Co., Jno., 127 W. Bway. (Stove Pipe) ...E  
Gestendorfer Bros., 43 Park Pl. (Stove Pipe; Bath Tub; Gold; Aluminum; Radiator) .....B  
Pierce & Co., F. O. (Bicycle) A  
Schlegel Mfg. Co., Oscar, 182 Grand .....B  
Smith Co., Edw., 45 Bway. A  
Standard Varnish Wks., 29 Bway., (Air Drying; Baking; Bicycle) .....AA  
Toch Bros., 468 W. Bway. A  
**N. Y.—Unionport**  
Fell Co., Edward (Watch) X  
**OHIO—Cleveland**  
Billings-Chapin Co., 37 Case Av. ....A  
Forest City Paint & Varnish Co., Hamilton & Kirkland .....B  
**OHIO—Toledo**  
National Cement & Rubber Mfg. Co. (Bicycle) ....C  
**PA.—New Castle**  
New Castle Paint & Varnish Co. (Rubber Paint) ...E  
**PA.—Philadelphia**  
Binswanger & Co., B., 115 N. 4th .....B  
Bowens' Sons, S., N. 4th cor. Sedgely Av. ....B  
Felton, Sibley & Co., 136 N. 4th (Bicycle) .....AAA  
French & Co., Saml. H., 4th & Callowhill (Baking; Bath Tub; Brewers'; Radiator) .....A  
Hamrich Tank & Barrel Hard Shell Enameling Co., (Brewers) .....D  
Harrison Bros. & Co., (Inc.) 35th & Grays Ferry Rd. ....AAAA  
Lucas & Co., Jno., 4th & Race (Bath Tub; Brewers'; Radiator; Bicycle) ....AAA  
Phoenix Paint & Varnish Co., 124 Market .....A  
Rinald Bros., 1142 N. Hancock (Porcelain, &c.; Baking; Bath Tub; Iron) ...B  
Thomson Wood Finishing Co., 115 N. 4th (Air Drying; Baking; Bath Tub; Iron) .....B  
Waterall & Co., Wm., 200 N. 4th .....A  
**PA.—Pittsburg**  
Atlas Paint Co. (Ltd.) 2638 Liberty Av. ....X  
Hommel Co., O., 110 Market (Aluminum) .....D  
Lawrence & Co., W. W. (Bicycle) .....AA  
**PA.—Reading**  
Wilhem Co., A. (Baking; Bath Tub) .....AA  
**R. I.—Providence**  
Amer. Enamel Co. (Japan; &c.; Baking; Celluloid Color) .....B  
Carpenter & Wood (Jewelers') .....D  
United States Gutta Percha

**ENAMELS. (Con.)**

Paint Co., 24 Matthewson  
(Bath Tub) .....A  
**WIS.—Milwaukee**  
 Smith Paint & Varnish Co.,  
 329 Chestnut (Air Drying;  
 Baking) .....D

**ENCLOSURES**

**CAL.—Los Angeles**  
 Fruhling, Wm. A., 218 S.  
 Los Angeles (Elevator) C

**CAL.—San Francisco**  
 Cahill & Hall Elevator Co.,  
 133 Beale (Elevator) ...B  
 Pioneer Iron & Wire Wks.  
 Co., 1483 Market (Eleva-  
 tor) .....D

**CONN.—Meriden**  
 Bradley & Hubbard Mfg. Co.  
 (Elevator) .....AAAA

**ILL.—Chicago**  
 Barbee Wire & Iron Wks.,  
 44 Dearborn (Elevator;  
 Office) .....B  
 Booth, Jno., 114-116 E.  
 Lake (Elevator) .....B  
 Chicago Ornamental Iron  
 Co., 37th & Stewart Av.  
 (Elevator) .....A  
 Gilbert & Bennett Mfg. Co.,  
 153 Lake (Elevator) AAA  
 Smith Wire & Iron Wks., F.  
 P., 100 Lake (Elevator)  
 AA

Voss, Fred'k., 621 Austin  
 Av. (Elevator) .....B  
 Winslow Bros. Co., 368 Car-  
 roll Av. (Elevator) ...AA

**ILL.—Peoria**  
 Lucas & Sons, A., cor Cedar  
 & Wash'n. (Elevator) ..B

**KY.—Louisville**  
 Dow Wire Wks. Co., 730 W.  
 Market (Elevator) .....D

**MD.—Baltimore**  
 Dufur & Co., 311 N. How-  
 ard (Elevator) .....B

**MASS.—Boston**  
 Hub Wire Cloth & Wire  
 Work Co., 13 Devonshire  
 (Elevator) .....F

**MASS.—Clinton**  
 Clinton Wire Cloth Co. (Eleva-  
 tor) .....AAA

**MASS.—Springfield**  
 Bigelow-Cheney Wire Wks.  
 (Elevator) .....A

**MASS.—Worcester**  
 Dean & Co., Henry E.  
 (Elevator) .....C

Nat'l. Mfg. Co. (Elevator)  
 A  
 Wright Wire Co. (Elevator)  
 AA

**MICH.—Detroit**  
 Art Brass & Iron Wks., cor.  
 4th & Porter (Elevator) C  
 Barnum Wire & Iron Wks.,  
 99-105 Shelby (Elevator)  
 B

**MINN.—Minneapolis**  
 Flour City Ornamental Iron  
 Wks., 27th Av. & 27th  
 (Elevator) .....B

**MINN.—St. Paul**  
 Perkins Mfg. Co., 1121 E.  
 7th (Elevator) .....D

**MO.—Kansas City**  
 Kansas City Wire & Iron  
 Wks. (Elevator) .....A

**MO.—St. Louis**  
 Globe Iron & Fdry. Co., 9th  
 & Victor (Elevator) ...B  
 Koken Iron Wks., Koken  
 Bldg. (Elevator) .....B  
 Ludlow-Saylor Wire Co., 4th  
 & Elm (Elevator) ....AA

**N. J.—Jersey City**  
 Sneed & Co. Iron Wks., ft.  
 of Pine (Elevator) .....A

**N. Y.—Brooklyn**  
 Eagle Iron Wks. (Inc.) 850  
 DeKalb Av. (Elevator) .C  
 Hecla Iron Wks., N. 11th  
 & Bway (Elevator) ...AA

**N. Y.—Buffalo**  
 Buffalo Wire Wks. Co.  
 (Elevator) .....A

**ENCLOSURES (Con.)**

**New York City**  
 Dimond, Thomas, 128 W.  
 33rd (Elevator) .....A  
 McMurray & Bro., Robt. T.,  
 105 E. 22nd (Elevator) C  
 Sterling Bronze Co., 12 E.  
 30th (Elevator) .....B  
 Union Equipment & Bronze  
 Co., 514 W. 36th (Eleva-  
 tor) .....D  
 Westervelt, A. B. & W. T.,  
 102 Chambers (Elevator)  
 B

**N. Y.—Rochester**  
 Snow Wire Wks. Co., 76  
 Exchange (Elevator) ..B

**N. Y.—Syracuse**  
 Houser Elevator Co., 314 E.  
 Water (Elevator) .....C

**OHIO—Cincinnati**  
 Cinn. Mfg. Co., 512 Main  
 (Elevator) .....B

Schreiber & Sons Co., L.,  
 8th & Eggleston Av. (Eleva-  
 tor) .....AA  
 Stewart Iron Wks. (Eleva-  
 tor) .....A

**OHIO—Cleveland**  
 Nat'l. Iron & Wire Co.  
 (Elevator) .....B

Tyler Co., W. S. (Elevator)  
 AAAA

Van Dorn Iron Wks. Co.  
 (Elevator) .....AA

**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred. J.  
 (Elevator) .....B

**OHIO—Kenton**  
 Champion Iron Co. (Eleva-  
 tor) .....AA

**OHIO—Springfield**  
 Webster & Perks Tool Co.  
 (Elevator) .....C

**OHIO—Toledo**  
 Donovan Wire & Iron Co.  
 (Elevator) .....C

**OREGON—Portland**  
 Portland Wire & Iron Wks.,  
 147 Front (Elevator) ..D

**PA.—Allegheny**  
 Albree Iron Wks., Chester  
 B. (Elevator) .....B

Rieseck, P., Allegheny Av.  
 & Rebecca (Elevator) ..C

**PA.—Ellwood City**  
 Glen Mfg. Co. (Elevator) C

**PA.—Philadelphia**  
 Darby & Sons, Edw., 288  
 Arch (Elevator) .....A

Gaumer Co., Jno. L., 19th  
 & Hamilton (Elevator) C

Merritt & Co., 1024 Ridge  
 Av. (Elevator) .....B

**PA.—Pittsburg**  
 Taylor & Dean, 205 Market  
 (Elevator) .....B

**PA.—Reading**  
 Remppis Co., Wm. F.  
 (Elevator) .....B

**WIS.—Milwaukee**  
 Bayley & Sons Co., Wm.,  
 782 Greenbush (Elevator)  
 A

**ENDS**

**CONN.—Hartford**  
 Billings & Spencer Co.  
 (Bicycle Fork) .....AA

**CONN.—Middale**  
 Clark Bros & Co. (Bolt) A

**CONN.—New Haven**  
 Cowles & Co. (Inc.) C.,  
 (Joint) .....A

**CONN.—Plantville**  
 Atwater Mfg. Co. (Joint) A

Blakeslee Forging Co.  
 (Joint; Perch) .....B

Smith & Co., H. D. (Bolt;  
 Pole; Joint; Perch; Stay)  
 A

**CONN.—Unionville**  
 Upson Nut Co. (Bolt) AAA

**DEL.—Wilmington**  
 Diamond State Steel Co.  
 (Bolt) .....AAA

Wilmington Malleable Iron  
 Co. (Brake) .....AAA

**ILL.—Chicago**  
 Continental Bolt & Iron

**ENDS (Con.)**

Wks., 22d & Union (Bolt) B  
 Republic Iron & Steel Co.,  
 Stock Exchange Bldg.  
 (Bolt) .....AAAA  
 Ross Mfg. Co., Fisk & 16th B  
**MD.—Baltimore**  
 Nat'l. Supply Co., 7 W.  
 Lombard (Bolt) .....B  
**MASS.—Boston**  
 Atlas Bolt & Nut Co., 218  
 High (Bolt) .....A  
 Boston Bolt Co., 83 Pur-  
 chase (Bolt) .....B  
 New England Bolt & Nut  
 Co., 253 Atlantic Av.  
 (Bolt) .....C  
 Stearns Lumber Co. (Pew) AA  
**MASS.—Lowell**  
 Amer. Bolt Co. (Bolt) B  
**MICH.—Detroit**  
 Michigan Bolt & Nut Wks.,  
 Meldrum Av. (Bolt) ...A  
**MO.—Springfield**  
 Moore Mfg. Co. (Pew) ..E  
**N. Y.—Auburn**  
 Clapp Mfg. Co., E. D.  
 (Joint) .....B  
**N. Y.—Binghamton**  
 Crandal, Stone & Co.  
 (Joint; Stay) .....A  
**New York City**  
 John Kroder & Henry Reu-  
 bel Co. (Pole) .....B  
 Judd & Co., H. L. (Pole) AA  
 Lamb, J. & B. (Church  
 Pew) .....D  
 Manhattan Brass Co. (Pole)  
 A  
**N. Y.—Port Chester**  
 Russell, Burdsall & Ward  
 Bolt Co. (Bolt) .....AAAA  
**N. Y.—Rome**  
 Rome Brass & Copper Co.  
 (Curtain Pole) .....AAAA  
**N. Y.—Syracuse**  
 Central City Bolt Co. (Bolt)  
 C  
 Syracuse Forge & Stamping  
 Co. (Land Roller) .....D  
**OHIO—Cleveland**  
 Cleveland Hdw. Co. (Stay)  
 AA  
 Lake Erie Iron Co. (Bolt)  
 AAAA  
 Lamson & Sessions Co., 412  
 Scranton Av. (Bolt) AA  
**N. Y.—Columbus**  
 Columbus Bolt Wks. (Bolt)  
 A  
**PA.—Allegheny**  
 Graham Nut Co., 755 Rebec-  
 ca (Bolt) .....C  
**PA.—Lebanon**  
 Amer. Iron & Steel Mfg. Co.  
 (Bolt) .....AAAA  
**PA.—Mechanicsburg**  
 Wilcox Mfg. Co., D. (Bicy-  
 cle Fork; Stay) .....A  
**PA.—Milton**  
 Milton Mfg. Co. (Bolt) A  
**PA.—Philadelphia**  
 Hoopes & Townsend Co.,  
 183d & Buttonwood (Bolt)  
 AAA  
**PA.—Pittsburg**  
 Hubbard & Co., Murtland  
 Bldg. (Bolt) .....A  
 Lanz & Sons, M., 101 S.  
 29th (Bolt) .....B  
 Oliver Iron & Steel Co., 10th  
 & Mariel (Bolt) ..AAAA  
 Pittsburg Mfg. Co., 28th &  
 R. R. (Car Truck; Body)  
 A  
 Pittsburg Screw & Bolt Co.  
 (Bolt) .....B  
**PA.—Scranton**  
 Scranton Bolt & Nut Co.  
 (Bolt) .....A  
**R. I.—Pawtucket**  
 Haskell Mfg. Co., Wm. H.  
 (Bolt) .....A  
 Pawtucket Mfg. Co. ....A  
**TENN.—Memphis**  
 Chicasaw Iron Wks. (Bolt)  
 A

**ENDS (Con.)**

**VA.—Richmond**  
 Old Dominion Iron & Nail  
 Wks. Co. (Bolt) .....A  
**W. VA.—Wheeling**  
 Wheeling Hinge Co. (Bolt)  
 AA

**ENGINES**

See also Turbines; Agr.  
 Implements; Motors.

**ALA.—Birmingham**  
 Hardie-Tynes Fdry. & Mach.  
 Co. (Steam Corliss) ....A  
 White-Blackslee Mfg. Co.  
 Gas; Gasoline) .....A  
 Williamson Iron Co. (Steam)  
 B  
**ALA.—East Birmingham**  
 Birmingham Mach. & Fdry.  
 Co. (Steam) .....A  
**ALA.—Montgomery**  
 Janney & Co. (Steam) ....A  
**ALA.—Selma**  
 Peacock's Iron Wks.  
 (Steam) .....C  
**ARK.—Ft. Smith**  
 Ketcham Iron Co. (Steam) O  
**CAL.—Los Angeles**  
 Fairbanks, Morse & Co., 186  
 Los Angeles (Gas; Gaso-  
 line for all purposes; Gas;  
 Gasoline Hoisting; Marine  
 Gasoline; Kerosene or  
 Crude Oil; Portable on  
 Wheels; Pumping Gas;  
 Gasoline; Steam; Gasoline  
 Yacht or Launch) ..AAAA  
 Fulton Engine Wks., Chaves  
 Cor. Quelrolo (Steam) ...A  
 Union Gas Engine Co. (Gas;  
 Oil) .....B  
**CAL.—Sacramento**  
 Root, Neilson & Co. (Steam)  
 B  
**CAL.—San Francisco**  
 Clot Co., 11th 1st (Gas;  
 Kerosene) .....C  
 Cyclops Iron Wks., 115  
 Beale (Steam) .....B  
 Economist Gas Engine Co.  
 (Crude Oil) .....D  
 Evans & Co., C. H., 181 Fre-  
 mont (Steam Marine) ...C  
 Fulton Engine & Ship Bldg.  
 Wks., 15 1st (Steam) ..AA  
 Garratt & Co. (Inc.), W. F.,  
 142 Fremont (Gas; Gaso-  
 line; Steam) .....AA  
 Golden State & Miner's Iron  
 Wks. (Marine) .....D  
 Henly Machine Wks., Josh-  
 ua, 38 Fremont (Double  
 Cylinder, etc.; Steam;  
 Hoisting; Logging; Steam)  
 AA  
 Henshaw, Bulkley & Co.,  
 Fremont & Mission (Mfrs.  
 Agts. Gas; Gasoline) ...B  
 Hercules Gas Engine Wks.,  
 141 1st (Gas; Gasoline), A  
 Hicks, Jas. L., 667 Mission  
 (Gas, etc.) .....B  
 Jackson Mach. Wks., Byron  
 (Automatic Cut-off;  
 Steam; Compound Steam)  
 A  
 Krogh Mfg. Co., 9 Stevenson  
 (Steam) .....C  
 Main St. Iron Wks., 181  
 Main (Steam) .....B  
 Marshutz & Cantrell, Main &  
 Howard (Logging; Steam  
 Portable; Steam) .....A  
 Risdon Iron & Locomotive  
 Wks. (Marine; Steam Por-  
 table; Steam) .....AAA  
 San Francisco Tool Wks.  
 (Portable Steam; Automa-  
 tic Cut-off Steam; Com-  
 pound Corliss Steam) ...E  
 Union Gas Engine Co. (Kero-  
 sene Burning Launch) ...A  
 Union Iron Wks., 222 Market  
 (Steam Corliss 100 to 3,000  
 h. p.; Direct Connected;  
 Belted; Gas; Gasoline;  
 Marine; Steam Portable;  
 Automatic Steam; Steam  
 Vertical 25 to 100 h. p.)  
 AAAA  
 Union Machine Co. (Kero-

**ENGINES (Con.)**

sene Burning Launch) ..B

**CAL.—San Leandro**

Best Mfg. Co. (Gas; Gasoline; Oil; Traction Logging; Steam Traction), A

**CAL.—Stockton**

Holt Mfg. Co. (Traction; Steam) .....AA

Sampson Iron Wks. (Gas), C

**COLO.—Denver**

Davis Iron Wks. Co., F. M., Larimer Cor. 8th (Steam Hoisting; Steam).....A

Denver Engineering Wks. Co., Blake Cor. 30th (All kinds Hoisting; Direct Acting Mining; Steam)....A

Hendri &amp; Bolthoff Mfg. Supply Co. (Steam Hoisting) AAA

Mine &amp; Smelting Supply Co. (Steam Hoisting).....AAA

Stearns-Roger Mfg. Co. Steam Hoisting; Steam) A

**CONN.—Bridgeport**

Acme Oil Engine Co. (Oil) F

Amer. &amp; British Mfg. Co. (Gas or Gasoline, in quantities only; Steam in quantities only).....AAA

Coulter &amp; McKenzie Mach. Co. (Steam; Steam Hoisting) .....C

Locomotive Co., of America (Steam &amp; Gasoline Automobile) .....B

Pacific Iron Wks. (Hoisting Steam) .....A

**CONN.—Coast Brook**

Connecticut Valley Mfg. Co. (Gasoline Marine) .....C

**CONN.—Cos Cob**

Palmer Bros. (Gasoline Marine; Gas or Gasoline)....C

**CONN.—Hartford**

Colt's Pat. Firearms Mfg. Co. (Oil Well; Steam; Portable Steam) ..AAAA

Pitkin Bros. &amp; Co., 152 State (Steam) .....B

Vanderbeck Tool Wks. (Compound Steam) .....B

**CONN.—New Britain**

New Britain Mach. Co. (Steam Corliss; Automatic Steam) .....A

**CONN.—New Haven**

Rowland, F. C. &amp; A. E., 418 Chapel (Automatic Steam) C

Twiss, Nelson W. (Marine 15 to 100 h. p.) .....E

**CONN.—New London**

New London Gas &amp; Electric Co. (Steam) .....B

**CONN.—Norfolk**

Norwalk Iron Wks. Co. (Steam) .....AA

**CONN.—Stamford**

Brooklyn Railway Supply Co. (Gasoline) .....A

International Power Vehicle Co. (Oil) .....D

Stamford Motor Co. (Gasoline) .....A

**CONN.—Terrington**

Eagle Bicycle Mfg. Co. (Gas, Marine; Stationary 4 to 6 h. p.; Stationary Steam) A

**CONN.—Windsor Locks**

Windsor Locks Machine Co. (Bag) .....E

**DEL.—Wilmington**

Amer. Machine Co. (Hot Air Pumping) .....D

Stamford Motor Co. (Gasoline) .....A

Harlan &amp; Hollingsworth Co. (Marine) .....AAAA

Pool Co., J. Morton (Beating) .....AA

Pusey &amp; Jones Co. (Beating; Marine; Stationary Steam) AAA

Remington Machine Co. (Corliss Steam) .....A

**FLA.—Jacksonville**

Merrill-Stevens Engineering Co. (Steam Marine) ....B

**GA.—Augusta**

Lombard Iron Wks. &amp; Supply Co. (Gas; Horizontal Steam; Farm Steam)....A

**ENGINES (Con.)****GA.—Macon**

Schofield Sons Co., J. S. (Steam) .....A

**GA.—Newnan**

Cole Mfg. Co., R. D. (Steam) .....A

**GA.—Savannah**

Kehoe &amp; Sons, Wm. (Marine; Steam) .....A

McDonough &amp; Ballington (Steam) .....B

**GA.—West Point**

West Point Iron Wks. (Portable Steam; Farm Steam) B

**ILL.—Aurora**

Amer. Wells Wks. (Gas; Gasoline; Gasoline Portable; Artesian Well Steam) .....AA

**ILL.—Batavia**

Feedmill Co. (Gasoline) ..A

**ILL.—Bellefonte**

Harrison Machine Wks. (Traction Steam) ....AA

**ILL.—Chicago**

Allis-Chalmers Co., Home Ins. Bldg. (Blowing; Steam Corliss; Steam Hoisting; Steam Portable Steam; Steam Vertical) AAAA

Amer. Blower Co., 1550 Marquette Bldg. (Automatic Steam) .....AA

Amer. Well Wks., 45 W. Randolph (Gasoline; Steam) .....AA

Ames, Iron Wks. (of Oswego, N. Y.) Monadnock Bldg. (Steam 16 to 100 h. p.) AA

Anderson Co., Carl, 27 N. Clinton (Gas; Gasoline) C

Atlas Engine Wks. (of Indianapolis, Ind.) 55 S. Canal (Steam 10 to 500 h. p.) .....AAAA

Borden &amp; Selleck Co., 48 Lake (Gas; Gasoline; Steam; Hoisting) .....B

Caldwell &amp; Son, H. W., Western Av. bet. 17th &amp; 18th (Gas; Gasoline) ...A

Chicago Ship Bldg. Co., Rookery Bldg. &amp; 101st &amp; Calumet River (Steam Marine) .....AAAA

Contractors' Supply &amp; Equipment Co., 232 5th Av. (Steam Hoisting) .....C

Elmes Engineering Wks., Chas. F., Cor. Fulton &amp; N. Morgan (Automatic Marine; Yacht or Launch), A

Fairbanks, Morse &amp; Co. (Gas; Gasoline; Gasoline Launch; Naptha Launch) AAAA

Ft. Wayne Fdry. &amp; Mach. Co. (of Ft. Wayne, Ind.) The Rookery (Automatic Steam) .....C

Garden City Fan Co., 43 S. Clinton (Steam Vertical) C

Latham Mchry. Co., 199 S. Canal (Gas; Gasoline) ..C

McMullin Motive Power &amp; Construction Co. (Gas; Gasoline) .....B

Marine Iron Wks. (Steam Marine) .....B

Monighans Machine Wks., 813 Carroll Av. (Steam Hoisting; Logging; Portable Hoisting) .....C

Perrin &amp; Co., Wm. E., 1500 46th (Blowing) .....A

Scott Valve Co., 32 W. Randolph (Deep Well Pumping) .....D

Strang Engine Co., 140 Dearborn (Kerosene) ...D

Skillin &amp; Richards Mfg. Co., 147 Fulton (Gas; Gasoline) .....C

Sturtevant Co., E. F. (of Boston, Mass.) 218 S. Clinton (Automatic Steam; Steam Vertical) .....AA

Sullivan Mchry. Co., 135 Adams (Steam Corliss;

**ENGINES (Con.)**

Steam; Steam Hoisting) AAA  
 Temple Pump Co., 15th Place (Gasoline, 2 to 10 h. p.) .....A  
 Webster Mfg. Co., 1075 W. 15th (Gas; Gasoline) ...AA  
 Willard & Co., Chas. P. (Horizontal Steam; Steam Marine Gasoline; Steam Launch; Steam Yacht; Steam Portable; Compound Condensing Steam; Vertical Steam) .....D  
 Wolf Co., Fred. W. (Freezing) .....AAA  
**ILL.—Danville**  
 Danville Fdry. & Machine Co. (Haulage; Steam Hoisting) .....C  
**ILL.—East Moline**  
 Root & Van Devort Engine Co. (Gas) .....C  
**ILL.—Freeport**  
 Stover Engine Wks. (Gasoline) .....A  
**ILL.—Galzburg**  
 Frost Mfg. Co. (Steam Corliss 80 to 900 h. p.; Automatic Steam 7 to 150 h. p.) .....A  
**ILL.—Joliet**  
 Bates Machine Co. (Corliss; Steam; Street Railway) AA  
**ILL.—Litchfield**  
 Litchfield Fdry. & Machine Co. (Steam Corliss; Haulage; Steam Hoisting; Steam) .....A  
**ILL.—Mattoon**  
 Chase Engine & Mfg. Co. (Steam) .....C  
**ILL.—Moline**  
 Moline Pump Co. (Gas) ...A  
 Williams White & Co. (Inc.) (Portable Steam) ....AA  
**ILL.—Peoria**  
 Armstrong, Jas. C. (Steam) C  
 Avery Mfg. Co. (Steam Traction) .....A  
 Colean Mfg. Co. (Steam Traction) .....A  
**ILL.—Peru**  
 Brunner, Chas. (Gas; Gasoline) .....A  
**ILL.—Quincy**  
 Central Iron Wks. (Gas; Gasoline; Steam Hoisting; Marine Gas; Gasoline; Yacht or Launch Gas or Gasoline) .....B  
 Quincy Engine Wks. (Vertical, Compound, Triple Expansion Steam 40 to 2,500 h. p.) .....AA  
**ILL.—Rockford**  
 National Engine Co. (Gasoline) .....C  
**ILL.—Springfield**  
 Ide & Sons, A. L. (High Speed, Automatic, Steam; Compound Steam; Compound Condensing Steam; Street Railway) .....AA  
**ILL.—Sterling**  
 Charter Gas Engine Co. (Gas; Gasoline; Portable Gasoline) .....A  
**IND.—Anderson**  
 Anderson Fdry. & Machine Wks. (Horizontal Steam) B  
 Buckeye Mfg. Co. (Gas; Gasoline; Gasoline Launch; Naphtha Launch; Compound Launch; Vertical Launch) .....AA  
 Woolley Fdry. Machine Co. (Gas; Gasoline) .....B  
**IND.—Anuburn**  
 Model Gas Engine Co. (Gas; Gasoline) .....C  
**IND.—Brazil**  
 Crawford & McCrimmon Co. (Hoisting Steam; Friction Hoisting; Steam; Hauling Steam) .....A  
**IND.—Columbus**  
 Reeves & Co. (Traction Steam; Portable Steam; Farm Steam) .....AAAA

**ENGINES (Con.)**

**IND.—Connersville**  
 Roots Co., P. H. & F. M. (Blowing) .....AA  
**IND.—Evansville**  
 Hellman Machine Wks. (Horizontal Steam; Traction Steam; Portable Steam; Corliss Steam; Corliss Steam; Farm Steam) .....A  
 Krats Bros. (Portable Steam) .....X  
**IND.—Ft. Wayne**  
 Brass Fdry. & Machine Wks. (Horizontal Steam) ....X  
 Western Gas Construction Co. (Gas; Gasoline) ....B  
**IND.—Indianapolis**  
 Atlas Engine Wks. (High Speed, Automatic, Steam; Corliss Steam; Hoisting Steam; Mining Steam; Double Steam; Quarry Steam; Horizontal Steam; Farm Steam; Winding Steam; Portable Steam; Portable Steam, or Skids; Portable Steam on Wheels; Automatic Cut-off Steam) .....AAAA  
 Capital Gas Engine Co. (Gas; Gasoline) ....AAA  
 Chandler & Taylor Co. (Horizontal, Steam; Electric Steam; Portable Steam; Automatic Out-off Steam; Compound Steam; Double Steam) .....AA  
 Monarch Gas Engine Co., E. New York Cor. Belt Ry. (Gas; Gasoline) .....C  
 Nordyke & Marmon Co. (Portable Steam) ....AAA  
 Potter Mfg. Co., 2010 Northwestern Av. (Steam Hoisting) .....B  
 Sinker-Davis Co. (Horizontal Steam; Vertical Portable Steam; Portable Steam) B  
**IND.—Kendallville**  
 Flint & Walling Mfg. Co. (Gasoline) .....AA  
**IND.—La Porte**  
 Rumely Co., M. (Steam, Straw Burning, Farm; Steam Traction; Steam Portable; Steam Farm) AAAA  
**IND.—Marion**  
 Gemmer Engine & Mfg. Co. (Gas & Gasoline) .....AAAA  
**IND.—Mishawaka**  
 Western Gas Engine Co. (Gas; Gasoline Yacht, etc.) .....C  
**IND.—Muncie**  
 Muncie Gas Engine & Supply Co. (Gas) .....B  
**IND.—New Albany**  
 Goetz-Coleman Mfg. Co. (Gas; Gasoline) .....B  
**IND.—Richmond**  
 Gaar, Scott & Co. (Traction Steam; Straw Burning Traction Steam; Portable Steam; Portable on Skids, Steam; Portable on Wheels; Steam; Farm Steam) .....AAAA  
 Quaker City Machine Co. (Steam) .....C  
 Richmond Machine Wks. (Automatic Steam 6 to 75 h. p.) .....B  
 Robinson & Co. (Traction, Steam; Portable Steam; Farm Steam) .....AA  
**IND.—Terra Haute**  
 Prox & Brinkman Mfg. Co. (Gas; Gasoline; Hoisting Steam; Mining, Steam), A  
**IOWA—Burlington**  
 Murray Iron Wks. Co. (Gas; Gasoline; Hoisting Steam; Marine Steam; Hauling Steam; Portable Steam; Automatic Out-off Steam; Corliss Steam; Vertical Steam) .....A  
**IOWA—Cedar Rapids**  
 Carmody, J. T. (Steam) ...C  
 Cherry Co., J. G. (Dairy) A

**ENGINES (Con.)**

**IOWA**—Charles City  
Hart-Parr Co. (Gasoline  
Traction) .....A  
**IOWA**—Davenport  
Davenport Fdry. & Machine  
Co. (Steamboat; Auto-  
matic Steam 30 to 400 h.  
p.) .....B  
**IOWA**—Des Moines  
Chemical Fire Engine Co.  
(Chemical, Fire) .....H  
Des Moines Gas Engine Co.  
(Gas; Gasoline) .....B  
Des Moines Mfg. & Supply  
Co. (Steam) .....A  
Eagle Iron Wks. (Steam  
Hoisting) .....B  
**IOWA**—Lyons  
Pelton & Son, T. G. (Gas-  
oline) .....B  
**IOWA**—Marshalltown  
Lennox Machine Co. (Sta-  
tionary; Mounted Gas;  
Gasoline) .....C  
Shorthill & Co., A. E. (Gas;  
Gasoline; Steam) .....C  
**IOWA**—Ottumwa  
Ottumwa Iron Wks. (Haul-  
age; Steam Hoisting;  
Steam, also Air) .....AA  
**IOWA**—Waterloo  
Waterloo Gasoline Engine  
Co. (Gasoline, Marine;  
Traction Steam) .....B  
Waterloo Motor Wks. (Gas-  
oline) .....A  
**KANS.**—Enterprise  
Ehram & Sons Mfg. Co., J.  
B. (Steam) .....O  
**KANS.**—Kansas City  
Riverside Iron Wks. Co.  
(Steam) .....A  
**KANS.**—Topeka  
Western Fdry. & Mach.  
Wks. (Steam) .....B  
**KY.**—Covington  
Houston, Stanwood & Gam-  
ble Co. (Throttling, Stand-  
ard Duty, etc., Steam) ..A  
**KY.**—Louisville  
Grainger & Co., 129 E. Main  
(Steam) .....A  
National Fdry. & Machine  
Co. (Blowing) .....A  
**LA.**—New Orleans  
Coleman Mach. Co. (Ltd.),  
H. Dudley. (Portable  
Steam) .....D  
Shakespeare Iron Wks., 913  
Girod (Steam) .....A  
Whitney Iron Wks. Co.  
(Steam Marine) .....AA  
**MAINE**—Bath  
Bath Iron Wks. (Marine;  
Steam) .....AA  
**MAINE**—Hallowell  
Davenport, S. F. (Yacht;  
Launch) .....H  
Fullers' Sons, G. (Steam) ..C  
**MAINE**—Mechanics Falls  
Penney & Sons Co., J. W.  
(Automatic Steam 8 to 35  
h. p.) .....B  
**MAINE**—Portland  
Maine Electric Co. (Direct  
Connected; Belted) .....E  
Portland Co. (High Speed,  
Automatic, Steam; Hoist-  
ing, Steam; Horizontal,  
Steam; Marine Steam;  
Portable Steam; Corliss  
Steam) .....AA  
Stickney, Henry R. (Marine  
Steam) .....D  
**MD.**—Baltimore  
Brown, F. S. & G. L. (Steam  
Yacht) .....E  
Murray & Son, James, 102 E.  
York (Steam) .....B  
Rosenberg Co., A. (Gas;  
Gasoline) .....H  
White & Middleton Engine  
Co. (Gas; Gasoline) ....B  
**MD.**—Cumberland  
McKalg, Merwin (Steam 10  
to 100 h. p.) .....A  
**MD.**—Sparrows Point  
Maryland Steel Co. (Steam  
Marine) .....AAAA  
**MASS.**—Boston  
Atlantic Wks., 70 Border  
(Marine Steam) .....AA  
Clark, Edward S. (Oil Well,

**ENGINES (Con.)**

Steam) .....X  
Cunningham Engineering  
Co., Tremont Bldg. (Ma-  
rine; Steam) .....B  
Fitzhenry & Co., E. L., 36  
Wash. (Yacht or Launch)  
.....E  
Lockwood Mfg. Co. (Marine)  
.....X  
Star Brass Mfg. Co. (Gas  
& Pumps Combined; Gas) A  
Sturtevant Co., B. F.  
(Blowing; Automatic Out-  
off; Steam; Double  
Steam) .....AAA  
**MASS.**—Cambridge  
Kendall & Sons, Edward  
(Hoisting Steam) .....AA  
Rawson & Morrison Mfg. Co.  
(Hoisting Steam; Log-  
ging; Steam) .....B  
**MASS.**—Fitchburg  
Brown & Co., O. H. (Corliss  
Steam; Automatic Steam)  
.....A  
Fitchburg Steam Engine Co.  
(High Speed, Automatic,  
Steam; Horizontal Steam;  
Automatic Cut-off, Steam;  
Compound Steam; Com-  
pound Condensing Steam;  
Vertical Steam) .....X  
Putnam Machine Co. (Auto-  
matic Steam 20 to 650  
h. p.) .....AA  
Union Machine Co. (Rag), B  
**MASS.**—Florence  
Norwood Engineering Co.  
Vertical Steam 2 to 50  
h. p.) .....B  
**MASS.**—Holyoke  
Dean Steam Pump Co.  
(Pumping) .....AAAA  
Holyoke Machine Co. (Beat-  
ing; Rag) .....AA  
Perkins & Son, B. F.  
(Steam) .....B  
**MASS.**—Hyde Park  
Boston Blower Co. (Steam)  
.....B  
**MASS.**—Lawrence  
Horne & Son Co., J. H.  
(Beating; Washing Com-  
bined; Jordan) .....A  
Lawrence Machine Co. (Di-  
rect Connected; Belted)  
.....X  
**MASS.**—Marlboro  
Parsons & Son, Henry  
(Steam) .....A  
**MASS.**—New Bedford  
Weeden Mfg. Co. (Toy  
Steam) .....D  
**MASS.**—Pittsfield  
Jones & Sons Co., E. D.  
(Beating; Beating &  
Washing Combined; Rag)  
.....B  
**MASS.**—Quincy  
Fore River Ship & Engine  
Co. (Marine; Steam)  
.....AAAA  
**MASS.**—Taunton  
Mason Machine Wks.  
(Steam) .....AAA  
Taunton Locomotive Mfg.  
Co. (Steam) .....AA  
**MASS.**—Worcester  
Greendale Gas Engine Co.  
(Oil) .....X  
Morgan Construction Co.  
(Rolling Mill) .....A  
**MICH.**—Adrian  
Adrain Brick & Tile Mach.  
Co. (Hoisting, Steam) ..O  
**MICH.**—Battle Creek  
Advance Thresher Co.  
(Steam, Straw Burning,  
Farm Traction Steam;  
Farm Steam) .....AAAA  
Amer. Steam Pump Co.  
(Deep Well Pumping)  
.....AAA  
Nichols & Shepard Co.  
(Steam Straw Burning,  
Farm; Traction, Steam;  
Portable Steam; Portable  
on Skids, Steam; Portable  
on Wheels, Steam; Farm  
Steam) .....AAAA  
Union Steam Pump Co.  
(Deep Well Pumping) AA

**ENGINES (Con.)**

**MICH.—Bay City**  
Industrial Wks. (Hoisting, Steam) .....AA  
MacKinnon Mfg. Co. (Marine, Steam) .....C  
Marine Iron Co. (Hoisting, Steam; Steam) .....C  
Smalley Bros. & Co. (Steam) B

**MICH.—Comstock**  
Comstock Mfg. Co. (Automatic Steam) .....O

**MICH.—Detroit**  
Amer. Blower Co. (Blowing) AA  
Detroit Shipbuilding Co. (Marine; Steam) .....AAAA  
Dodge Bros., 137 Beaubien (Marine; Steam) .....B  
Fisher Electrical Wks., 183 Larned (Direct Connected; Belted) .....E  
Great Lakes Engineering Wks., Rivard & Detroit River (Marine; Gas or Gasoline; Steam) .....A  
Leland & Faulconer Mfg. Co. (Gasoline) .....B  
Michigan Steel Boat Co. (Marine; Gas or Gasoline) C  
Mitschun Co., M., Chamb. of Commerce (Second Hand Hoisting Steam) ..C  
Murphy Iron Wks., ft. Walker (Steam) .....B  
Northern Engineering Wks., Cheue & Atwater (Gas; Gasoline) .....A  
Olds Motor Wks., Jeff Cor. Concord (Gas; Gasoline 1 to 75 h. p.) .....AA  
Sintz Gas Engine Co., 1524 Jeffn. Av. (Gas) .....B  
Strelinger Co., Chas. A., 98 Bates (Gas) .....A  
Wilson & Co., J. B., Cor. W. Fort & 13th (Steam) ....A

**MICH.—Grand Rapids**  
Austin & Son (Gasoline Automobile; Gasoline Automobile; Launch) .....A  
Grand Rapids Gas Engine & Yacht Co. (Gas; Gasoline; Marine, Gas or Gasoline) A

Leltelt Iron Wks., Adolph (Steam) .....B  
Wolverine Motor Wks. (Gas; Gasoline; Marine, Gas or Gasoline; Gas; Gasoline Yacht or Launch) .....C

**MICH.—Kalamazoo**  
Clark Engine & Boiler Co., Geo. (Steam, 10 to 100 h. p.) .....C  
Dutton Co., C. H. (Vertical Steam 2 to 10 h. p.) ..B  
Kalamazoo Railway Supply Co. (Gasoline Pumping) B

**MICH.—Lansing**  
Bates & Edmunds Motor Co. (Gas; Gasoline) .....C  
Lansing Boiler & Engine Wks. (Gas; Gasoline; Automatic Steam 10 to 300 h. p.) .....B  
Olds Gasoline Engine Wks. (Gas; Gasoline; Gasoline Launch) .....AA

**MICH.—Manistee**  
Manistee Iron Wks. Co. (Marine; Twin Feed Steam) .....B

**MICH.—Marquette**  
Lake Shore Engine Wks. (Inc.) (Gas; Gasoline; Hoisting Steam; Gasoline; Hoisting; Pumping; Marine, Gasoline; Steam; Gasoline Yacht or Launch) A

Lakeside Iron Wks. Co. (Steam) .....B

**MICH.—Montague**  
Montague Iron Wks. Co. (Marine, Gasoline; Pumping Gasoline; Steam; Steam; Gasoline Yacht or Launch) .....B

**MICH.—Merouci**  
Michigan Brick & Tile Mach. Co. (Gas) .....C

**ENGINES (Con.)**

**MICH.—Muskegon**  
Rodgers Iron Mfg. Co. (Steam) .....A

**MICH.—Port Huron**  
Jenks Ship Bldg. Co. (Marine; Stationary Steam) A  
Port Huron Eng. & Thresher Co. (Simple; Compound Steam Traction) .....AAAA

**MICH.—Saginaw**  
Bartlett & Co., A. F. (Steam Corliss 50 to 1,000 h. p.; Steam Hoisting; Marine; Slide Valve Steam) .....A  
Jackson & Church Co. (Steam Hoisting; Steam) A  
Wickes Bros. (Marine; Steam; Vertical Steam) AA

**MICH.—St. Joseph**  
Engberg's Electric & Mechanical Wks. (Direct Connected; Belted) ....D  
Truscott Boat Mfg. Co. (Gasoline Marine; Gasoline Yacht or Launch) ..A

**MICH.—Ypsilanti**  
Michigan Mfg. Co. (Gas; Gasoline) .....AA

**MINN.—Duluth**  
Kelley Hdw. Co. (Gasoline) C  
Northwestern Steam Boiler Wks. (Steam) .....C

**MINN.—Hastings**  
Stroud & Son, H. K. (Marine) .....F

**MINN.—Minneapolis**  
Globe Iron Wks. Co. (Inc.), 2429 University Av. (Stationary, Portable, Marine, Electric Light; Steam; Gasoline Yacht or Launch) C  
Minneapolis Steel & Mchry. Co. (Steam Corliss) ....A  
Minneapolis Threshing Mach. Co. (Traction, Steam; Thresher; Farm Steam) AAAA  
Nutting Fire Extinguisher Co., H. S., 13 N. E. 5th (Fire, Chemical) .....X

**MINN.—St. Paul**  
Stickney Co., Chas. A. (Gas; Gasoline Direct Connected; Belted Pumping Gas; Gasoline, for Railroad Service, etc.) .....A  
Watrous Engine Wks. (Fire, Steam) .....B

**MISS.—Corinth**  
Adams Machine Co., W. T. (Steam) .....AA

**MO.—Kansas City**  
Kansas City Hay Press Co. (Stationary; Portable Gas; Gasoline) .....AA  
Weber Gas & Gasoline Engine Co. (Gas; Gasoline; Gasoline Hoisting; Steam; Gasoline Launch; Petroleum; Portable Steam) ..A  
Witte Iron Wks. Co. (Gas) B

**MO.—St. Louis**  
Cook-Well Co., 15 S. 4th (Deep Well Pumping) ..C  
Ellison & Sons Mfg. Co., Wm., 1018 N. 6th (Steam Hoisting; Steam) .....B  
Fritz, Geo. J. (High Feed, Automatic, Steam; Portable Steam) .....B  
Fulton Iron Wks. (Steam Corliss 30 to 5,000 h. p.; Steam; Vertical Steam) AA  
Kingsland Mfg. Co., 1521 N. 11th (Steam) .....B  
Meyrose Lamp & Mfg. Co., F. (Chemical) .....X  
St. Louis Iron & Machine Co. (Steam Marine; Steam Corliss) .....AA  
South St. Louis Fdry., 121 E. Stein's (Steam Corliss; Slide Valve Automatic Steam) .....C  
Stempel Fire Extinguisher Mfg. Co. (Chemical Fire) D



**ENGINES (Con.)**

**N.B.A.—Fremont**  
Fremont Fdry. & Machine Co. (Steam) .....C  
**M. H.—Concord**  
Concord Machine Co. (Steam) .....B  
**M. H.—Exeter**  
Exeter Machine Wks. (Horizontal, Steam) .....B  
**N. H.—Lancaster**  
Thompson Mfg. Co. (Steam) .....B  
**N. H.—Manchester**  
Johnson Gasoline Motor Co. (Gasoline Automobile; Marine; Gas; Gasoline), X  
**N. H.—Nashua**  
Rollins Engine Co. (Steam Corliss; Automatic, etc.; Steam 20 to 600 h. p.)...B  
**M. J.—Bound Brook**  
Amer. Engine Co. (Direct Connected; Belted; American Ball Duplex Compound Steam) .....A  
**M. J.—Camden**  
Dialogue & Son, Jno. H. (Marine Steam) .....AA  
**N. J.—Dover**  
Morris County Mach. & Iron Co. (Hoisting, Steam) .....B  
**N. J.—Gloucester City**  
Rogers Boat, Gauge & Drill Wks., Jno. M. (Marine; Steam) .....B  
**M. J.—Hoboken**  
Fischer Motor Vehicle Co., 1311 Hudson (Comb. Gas; Electric; Yacht or Launch) X  
**Fletcher Co., W. & A., Hudson & 14th (Marine; Steam) .....A**  
**Forbes & Co., W. D., 1300 Hudson (Marine) .....D**  
**M. J.—Jersey City**  
Brown & Miller (Marine; Steam) .....A  
**Russell, M. J., 42 Morris Marine) .....D**  
**Smith & Sons Co., Theodore, ft. of Essex (Marine)....A**  
**Standard Motor Mfg. Co. (Marine; Gas or Gasoline) B**  
**N. J.—Newark**  
Backus Water Motor Co., 174 Penn Av. (Gas; Gasoline) B  
**Currier & Sons, Cyrus (Beating; Hoisting; Steam; Horizontal, Steam; Jordan) .....AA**  
**Hewes & Phillips Iron Wks. (Steam Corliss 50 to 2,000 h. p.; Steam) .....A**  
**Lambert Hoisting Engine Co. (Deep Well Pumping; Logging; Mining; Steam Portable; Portable Hoisting; Steam; Steam Traction; Vertical Steam) C**  
**Mundy, J. S., 22 Prospect (Bridge Erecting; Hoisting; Steam; Mining; Steam; Quarry, Steam; Horizontal, Steam; Hauling Steam; Winding Steam) .....A**  
**Seymour & Whitlock, 43 Lawrence (Vertical Steam) .....B**  
**Watts-Campbell Co., 298 Ogden (Steam Corliss 40 to 1,000 h. p.; Steam), AA**  
**N. J.—New Brunswick**  
Lea, Thos. (Marine) .....F  
**N. J.—Perth Amboy**  
Schautz & Eckert (Marine) E  
**N. J.—Riegelsville**  
Taylor Stiles & Co. (Paper Mill, Steam; Rag) ....A  
**M. J.—Tronton**  
DeLaval Steam Turbine Co. (Steam Turbine) .....X  
**Mackenzie, Duncan, Hamilton Av. Cor. Clark (Steam) .....A**  
**Reeves Engine Co., Parker & Randolph (Steam) .....A**

**ENGINES (Con.)**

**Thropp Sons Co., Jno. E., ft. Lewis (Marine; Stationary Steam) .....A**  
**Trenton Iron Co. (& Pumps Combined, Farm) .....A**  
**N. Y.—Albany**  
Dederick Agr'l & Machine Wks. (Steam Hoisting) AA  
**Dederick's Sons, P. K. (Hoisting, Steam; Portable Skids, Steam; Portable on Wheels, Steam; Farm Steam) .....A**  
**Skinner & Arnold Co. (Steam, Marine) .....C**  
**N. Y.—Auburn**  
McIntosh, Seymour & Co. (Direct Connected; Belted; Compound, Triple, Expansion Tandem, etc., Steam; Vertical Steam) .....AAA  
**New Birdsall Co. (Traction, Steam; Portable Steam; Farm, Steam) .....AA**  
**N. Y.—Baldwinsville**  
Morris Machine Wks. (High Speed, Automatic, Steam; Horizontal Steam; Marine Steam; Yacht Steam; Automatic Cut-off Steam; Compound Steam; Double Steam; Vertical Steam) AA  
**N. Y.—Belmont**  
Clark Bros. & Co. (Automatic Cut-off Steam; Corliss Steam) .....A  
**N. Y.—Binghamton**  
Shapley & Wells (Steam 8 to 20 h. p.) .....A  
**N. Y.—Brooklyn**  
Bliss Co., E. W., 19 Adams (Hot Air Pumping) AAAA  
**Guild & Garrison (Pumps Combined; Farm; Horizontal; Steam; Freezing; Cane Mill Beam; Steam) B**  
**Houchin & Huber (Gas; Gasoline) .....D**  
**National Meter Co., 42nd cor. 1st Av. (Gas; Gasoline) .....A**  
**Pioneer Iron Wks., 151 William (Steam; Vertical Steam) .....A**  
**Pioneer Machine Wks. (Jas. Hartley, Prop.), 75 Delevan (Marine; Steam)....B**  
**Riley & Cowley, Richards cor. Bowne (Steam; Yacht or Launch also Tow Boat) B**  
**N. Y.—Buffalo**  
Alberger Co. (Four Cycle; Two Cylinder; Tandem; Gas; Gasoline, 25 to 250 h. p.) .....B  
**Buffalo Forge Co., 480 B'way (Automatic Steam; Steam Traction) .....AAA**  
**Buffalo Gasoline Motor Co. (Steam; Gasoline Automobile) .....D**  
**Buffalo-Pitts Co. Hauling Steam; Traction Steam; Straw Burning Traction Steam; Portable Steam; Steam Portable on Skids; Steam Portable on Wheels; Steam Farm .....AAAA**  
**Contractors' Plant Mfg. Co. (Steam Hoisting; Portable Hoisting) .....B**  
**Farrar & Trefts (Gas; Steam 4 to 30 h. p.)...AAA**  
**Frontier Engine Wks., ft of Illinois (Steam).....B**  
**Kelm, Jno. R. Kensington Av. & Erie E. R. (Steam; Gasoline; Automobile) AA**  
**Noye Mfg. Co., Jno. T. (High Speed Automatic Steam; Horizontal Steam; Automatic Cut-off Steam; Compound Steam; Compound Condensing Steam; Compound Steam).....X**  
**Olin Gas Engine Co. (Gasoline Launch).....D**  
**Ruger Mfg. Co., J. W. (Gas; Gasoline) .....B**

**ENGINES (Con.)**

Thomas Motor Co., E. R.  
B'way & Elm (Gas)....A  
Trout & Co., H. G., 236 Ohio  
(Marine; Steam).....B  
N. Y.—Canandaigua  
Leak Mfg. Co. (Portable Oil  
Country) .....AAA  
N. Y.—Olyde  
Wood & Son, S. W. (Steam)  
O  
N. Y.—Corning  
Hood Furnace & Supply Co.  
(Hot Air).....B  
N. Y.—Elmira  
American-La France Fire  
Engine Co. (Fire Steam)B  
Payne Co. (Inc) (Gas; High  
Speed Automatic Steam;  
Yacht Steam; Petroleum;  
Portable Steam; Com-  
pound Steam; Corliss  
Steam).....X  
N. Y.—Fishkill-on-Hudson  
Fishkill Landing Machine  
Co. (Corliss Steam; Verti-  
cal Steam).....A  
N. Y.—Frankfort  
Acme Road Mch Co. (Gas-  
oline) .....O  
N. Y.—Fulton  
Ditts Machine Wks. (Beat-  
ing) .....B  
Pearman, James (Paper Mill  
Steam) .....F  
N. Y.—Geneva  
N. Y. Central Iron Wks. Co.  
(Steam 15 to 100 h. p.)  
B  
N. Y.—Groton  
Groton Bridge Co. (Portable  
Steam) .....B  
N. Y.—Ithaca  
Williams Bros. (Vertical  
Portable Steam; Portable  
Steam; Portable on Skids  
Steam; Portable on  
Wheels Steam; Farm  
Steam) .....AA  
N. Y.—Little Falls  
Burrell & Co., D. H. (Verti-  
cal Steam).....AAAA  
N. Y.—Lockport  
Holly Mfg. Co. (Pumping) X  
Norman & Evans (Marine;  
Steam) .....B  
N. Y.—Long Island City  
Daimler Mfg. Co. (Fire; Gas  
Marine) .....D  
N. Y.—Malone  
Hinds, Thomas (Gasoline).D  
N. Y.—Marathon  
Climax Road Mach. Co.  
(Portable on Wheels)..D  
N. Y.—Newburgh  
Coldwell-Wilcox Co. (Steam)  
B  
Marvel & Co., T. S. (Marine)  
B  
Newburgh Ice Mach. & En-  
gine Co. (Steam) .....B  
New York City  
Abendroth & Root Mfg. Co.,  
90 John (Corliss Steam;  
Steam) .....A  
Amer. Hoist & Derrick Co.,  
26 Cortlandt (Hoisting  
Steam) .....A  
Amer. Locomotive Co. 25  
Broad (Fire Steam) AAAA  
Automatic Fire Alarm Co.  
(Ltd.) (Fire Chemical)  
AA  
Bacon, Earle C., 26 Cort-  
landt (Bridge Erecting)  
D  
Ball & Wood Co. (Street  
Railway) .....AA  
Brown Hoisting Mch Co.,  
26 Cortlandt (Hoisting  
Steam) .....AAAA  
Buckeye Engine Co., 39  
Cortlandt (Automatic  
Steam) .....AA  
Colwell, Augustus W. Cane  
Mill Beam Steam).....D  
Deeley & Co., Robert (Cane  
Mill Beam Steam; Pump-  
ing) .....AA  
De La Vergne Mach. Co., ft.  
E. 188th (Oil).....AAAA  
Diesel Engine Co., 11 B'way  
(Steam) .....AA  
Edwards & Co., Joseph

**ENGINES (Con.)**

(Hoisting Steam).....B  
Fairbanks Co. (Gas; Gas-  
oline) .....AAAA  
General Power Co., 31 Ful-  
ton (Automobile Gas;  
Gasoline; Marine; Oil)...B  
Gas Engine & Power Co. &  
Chas. L. Seabury & Co.,  
11 B'way (Gas; Gasoline;  
Marine; Steam; Gasoline;  
Naptha Yacht or Launch)  
AAA  
Hayward & Co., S. F. (Fire  
Chemical) .....D  
Howard & Morse (High  
Speed Automatic Steam)  
D  
Hunt Co., O. W. (Hoisting  
Steam; Electric Hoisting  
Steam) .....AA  
Imperial Engine Co., 123  
B'way (Steam).....C  
International Power Co., 72  
B'way (Corliss Steam;  
Steam) .....AA  
Lidgerwood Mfg. Co., 96 Li-  
berty (Bridge Erecting;  
Hoisting Steam; Mining  
Steam; Quarry Steam; Ho-  
rizontal Steam; Winding  
Steam; Portable Steam)  
AAA  
Lozier Motor Co., 1 B'way  
(Naptha) .....D  
Marine Engine & Machine  
Co., 1123 B'way. (Yacht or  
Launch) .....B  
Mietz, August, 87 Elisabeth  
(Alcohol; Gas; Petroleum)  
A  
Morgan Iron Wks., ft. E.  
9th (Marine; Steam)....B  
National Meter Co. (Pumps  
Combined Gas; Gas)....A  
N. Y. Blower Co., 39 Cort-  
landt (Steam; Vertical  
Steam) .....A  
N. Y. Kerosene Oil Engine  
Co., 31 Burling (Oil....D  
New York Safety Steam  
Power Co., 113 Liberty  
(Direct Connected; Belted;  
Vertical Marine; Auto-  
matic Steam 15 to 200 h.  
p.; Vertical Steam 2 to 100  
h. p.; Yacht or Launch) B  
Oil City Boiler Wks. (of  
Oil City, Pa.), 39 Cort-  
landt (Corliss Steam; Gas;  
Gasoline; Steam Portable  
4 to 40 h. p.; Steam 20 to  
150 h. p.; Vertical Steam)  
AAAA  
Palmer, N. F., 742 E. 12th  
(Marine Steam) .....A  
Pelham Hod Elevating Co.,  
416 W. 26th (Hoisting;  
Steam) .....B  
Penn. Iron Wks. Co. (of  
Phila., Pa.) (Corliss,  
Steam; Gas; Gasoline;  
Stationary; Marine; Four  
Cycle 1 to 100 h. p.; Auto-  
matic Steam, 75 to 1,000  
h. p.; Vertical Steam, 25  
to 100 h. p.) .....AAAA  
Pierce Well Engineer & Sup-  
ply Co. (Artesian Well  
Steam) .....D  
Rae, Robt., 442 Water (Ma-  
rine) .....F  
Rand Drill Co. (Portable  
Steam) .....AAA  
Rider-Ericsson Engine Co.,  
35 Warren (Hot Air  
Pumping) .....A  
Stearns Mfg. Co., 95 Liberty  
(Automatic Steam 18 to  
1,000 h. p.; Vertical  
Steam) .....AA  
Struthers, Wells & Co., 23  
Cortlandt (Gas; Gasoline;  
High Speed Steam 30 to  
70 h. p.).....AA

**ENGINES (Con.)**

Sullivan, Jno. W., 385 South  
Marine) ..... B  
Welch & Lawson, 210 Centre  
(Gas; Gasoline) ..... B  
Worthington Pumping En-  
gine Co. (Pumping) AAAAA  
M. Y.—Niagara Falls  
Dobbie Fdy. & Machine Co.  
Hoisting Steam; Portable  
Hoisting) ..... B  
M. Y.—Oneida  
Oneida Iron Wks. (Steam)  
B  
M. Y.—Orangeburg  
Empire Engine & Motor Co.  
(Pneumatic Steam Hoist-  
ing) ..... B  
M. Y.—Ogdensburg  
Nash Bros. & Co. (Marine  
Steam) ..... A  
M. Y.—Oswego  
Ames Iron Wks. (Traction  
Steam; Portable Steam;  
Farm Steam; Street Rail-  
way) ..... AA  
Kingsford Fdy. & Mach.  
Wks. (Marine Steam;  
Automatic Cut-off Steam;  
Vertical Steam) ..... AAAAA  
Losier Motor Co. (Marine, 2  
Cycle Gasoline) ..... D  
M. Y.—Rochester  
Rochester Mach. Tool Wks.  
(Ltd) (Kerosene Burning  
Launch; Kerosene Burning  
Yacht; Petroleum) ..... O  
M. Y.—Rome  
Adams & Son, S. (Yacht;  
Launch) ..... O  
M. Y.—St. Johnsville  
Rumsey-Williams Co. (Gas;  
Gasoline) ..... B  
M. Y.—Salamanca  
Benedict Mfg. Co. (Steam)  
O  
M. Y.—Schenectady  
General Electric Co. (Elec-  
tric; Steam Turbine) .....  
AAAA  
Westinghouse Co. (Dairy;  
Traction Steam; Vertical  
Portable Steam; Portable  
Steam; Portable on Skids  
Steam; Portable on  
Wheels Steam; Farm  
Steam) ..... AA  
M. Y.—Seneca Falls  
Amer.-La France Fire En-  
gine Co. (High Speed  
Automatic Steam; Fire  
Steam; Steam Launch;  
Compound Vertical Steam;  
Vertical Steam) ..... B  
Rumsey Co. (Ltd.) (Chem-  
ical) ..... A  
M. Y.—Syracuse  
McMillan Engine & Mach.  
Co., 613 E. Water (Steam)  
O  
Moore Mfg. Co., 102 N.  
Beech (Hoisting Steam) C  
Sanderon & Bros., P. W.,  
309 W. Willow (Yacht or  
Launch) ..... F  
Straight Line Engine Co.,  
218 S. Geddes (Steam) ..... A  
M. Y.—Troy  
Knowlson & Kelly (Corliss  
Steam 40 to 2,000 h. p.;  
Direct Connected; Belted;  
Steam) ..... B  
M. Y.—Utica  
Millar & Son Co., Chas.  
(Portable Steam; Farm  
Steam; Vertical Steam) ..  
AA  
Utica Steam Engine & Boiler  
Wks. (Steam) ..... O  
M. Y.—Watertown  
Bagley & Sewall Co. (Wash-  
ing) ..... AA  
Watertown Engine Co.  
(Simple Compounded; Tri-  
ple Expansion Steam Cor-  
liss 300 to 1,500 h. p.;  
Portable Steam 6 to 40 h.  
p.; High Speed Thrott-  
ling; Automatic Steam;  
Traction Steam 7 to 15 h.  
p.) ..... O  
M. Y.—Wellsville  
McEwen Bros. (Portable  
Steam) ..... A

**ENGINES (Con.)**

M. C.—Charlotte  
Liddel Co. (Inc.) (Automatic  
Steam) ..... A  
Mecklenburg Iron Wks.  
(Portable Steam) ..... X  
M. C.—Winston-Salem  
Salem Iron Wks. (Portable  
on Wheels) ..... A  
OHIO—Akron  
Star Drilling Machine Co.  
(Upright Steam) ..... A  
Taplin, Rice & Co. (Steam)  
A  
Webster Camp & Lane Mach.  
Co. (Hoisting Steam;  
Mining Steam; Hauling  
Steam; Winding Steam  
Automatic Cut-off Steam;  
Compound Steam; Corliss  
Steam) ..... AAAAA  
OHIO—Alliance  
Morgan Engineering Co.  
(Steam) ..... AA  
OHIO—Bucyrus  
Pilling Air Engine Wks.  
Compressed Air Hoisting) A  
OHIO—Canton  
Aultman Co. (Oil; Portable  
Steam; Steam; Traction  
Steam; Vertical Steam) A  
Canton Surgical & Dental  
Chair Co. (Dental) .... O  
Knight Mfg. Co. (Gas; Gaso-  
line) ..... B  
OHIO—Cincinnati  
Blettner & Co., Joseph B.,  
1976 Central Av. (Steam) O  
Blymer Iron Wks. Co. (Ver-  
tical Portable Steam;  
Portable Steam; Portable  
on Skids Steam; Port-  
able on Wheels Steam) .. B  
Greenwald Co., I. & E., 720  
B. Pearl (Automatic  
Steam) ..... A  
Johnson Co., W. T., 522  
Main (Vertical Steam) O  
Kinsey Co., E. A., 331 W.  
4th (Vertical Steam) .. B  
Laidlaw-Dunn-Gordon Co.  
Artesian Well Steam;  
Pumping) ..... AAAAA  
Lane & Bodley Co. (Corliss  
Steam 50 to 1,000 h. p.;  
Direct Connected; Belted;  
Rolling Mill; Slide Valve;  
&c. Steam) ..... A  
McGowan Co., Jno. H.  
(Deep Well Pumping) .. A  
McKeown, H. J. (Hoisting  
Steam) ..... B  
Presler-Crawley Mfg. Co.,  
219 W. 2nd (Marine Gas  
or Gasoline) ..... O  
Smith, Myers & Schnier  
(Portable Steam) ..... B  
Van Duzen Co., E. W., 428  
E. 2nd (Gas; Gasoline) .. O  
Watkins Mfg. Co., F. M.,  
357 W. 6th (Gas; Gaso-  
line) ..... O  
OHIO—Cleveland  
Amer. Ship Building Co.  
(Blowing; Steam Hoist-  
ing; Marine; Steam) ....  
AAAA  
Brown Hoisting Mch Co.  
(Hoisting Steam) ..... AAAAA  
Chase Machine Co. (Gas;  
Gasoline Marine; Station-  
ary; Haulage) ..... B  
Kilby Mfg. Co. (Steam) AA  
Mac Beth Iron Co. (Blow-  
ing) ..... A  
Manning-Stovering Mach.  
Co., 100 Merwin (Fire  
Steam) ..... O  
Merian-Abbott Co., 60 E.  
Prospect (Gas; Gasoline) B  
Snider-Hughes Co., cor Ooe  
& Hamilton (Blowing) .. B  
Strong, Carlisle & Hammond  
Co., 61 Frankfort Gas;  
Gasoline) ..... A  
Union Machine & Boiler Co.,  
108 River (Marine) .... X  
OHIO—Columbiana  
Enterprise Mfg. Co. (Porta-  
ble Steam; Steam) ..... B

**ENGINES (Con.)**

**OHIO—Columbus**  
Columbus Machine Co.  
(Gas; Gasoline; Steam) A  
Pulling & Co., Jas. G.  
(Pumping) ..... B  
Barig Engineering Co., A.  
K. (Blowing; Haulage;  
Steam Hoisting; Rolling  
Mill; Steam) ..... A

**OHIO—Dayton**  
Brownell & Co. (Portable  
Steam 2 to 40 h. p.;  
Steam) ..... AAA  
Callahan & Co., W. P.  
Hoisting Steam; Gasoline  
Launch; Naphta Launch  
AA  
Dayton Engine Wks (Steam)  
C  
Dayton Globe Iron Wks. Co.  
(Beating) ..... B  
New Era Gas Engine Co.  
(Gas; Gasoline) ..... A  
Stoddard Mfg. Co. (Gas;  
Gasoline) ..... AAA

**OHIO—Defiance**  
Defiance Machine Co.  
(Portable Steam; Portable  
on Skids Steam; Portable  
on Wheels Steam) ..... A

**OHIO—Elyria**  
Elyria Engine Co. (Gas;  
Gasoline) ..... A

**OHIO—Fostoria**  
Fostoria Fdry. & Machine  
Co. (4 Cycle Gas; Gasoline)  
..... C

**OHIO—Fremont**  
June & Co., D. (Steam  
Portable, 6 to 20 H. P.;  
Steam, 12 to 40 H. P.;  
Traction, 10 to 16 H. P.)  
AA

**OHIO—Hamilton**  
Black & Clawson (Beating;  
Washing; Jordan; Refin-  
ing; Pulp Refining) AAA  
Hooven, Owens & Rent-  
schler Co. (Steam Cor-  
liss, 30 to 3,000 H. P.;  
Rolling Mill; Steam, 100  
to 500 H. P.) ..... AAAA

**OHIO—Lima**  
Bessemer Gas Engine Co.  
(Gas; Gasoline) ..... B  
Golley & Finley Iron Wks.  
(Steam) ..... A

**OHIO—Lorain**  
Brown-Cochran Co. (Gas;  
Gasoline) ..... A

**OHIO—Mansfield**  
Aultman & Taylor Machy.  
Co. (Steam Straw-Burn-  
ing Farm; Traction  
Steam; Portable Steam;  
Farm Steam) ..... AAA  
Barnes Mfg. Co. (Pumping)  
A  
Mansfield Engineering Co.  
(Corliss Steam) ..... B

**OHIO—Marietta**  
Pattin Bros. Co. (Gas;  
Steam Hoisting; Steam) B

**OHIO—Marion**  
Huber Mfg. Co. (Portable on  
Wheels; Steam, 5 to 25  
H. P.; Steam Traction, 2  
to 16 H. P.) ..... AAA  
Marion Mfg. Co. (Traction  
Steam; Portable Steam)  
AA

**OHIO—Martins' Ferry**  
Spence & Sons, L. (Steam  
Portable, 30 H. P.; Roll-  
ing Mill; Steam; Steam  
Traction, 10 to 16 H. P.)  
A

**OHIO—Massillon**  
Russell & Co. (Steam  
Straw Burning Farm;  
Steam Traction; Steam  
Traction Straw Burning;  
Steam Portable; Steam  
Portable on Skids; Steam  
Automatic Cut-Off; Steam  
Farm; Street Railway)  
AAA  
Russell Engine Co. (Steam)  
A

**OHIO—Middleport**  
Ohio Machine Co. (Steam

**ENGINES (Con.)**

Marine) ..... C

**OHIO—Mount Vernon**  
Cooper Co., C. & G. (Holst-  
ing Steam; Traction  
Steam; Portable Steam;  
Compound Condensing  
Steam; Compound Corliss  
Steam; Compound Farm  
Steam; Street Railway)  
AA

**OHIO—Nelsonville**  
Nelsonville Fdry. & Machine  
Co. (Haulage Steam) ... B

**OHIO—Newark**  
McNamar Machine Wks.  
(Steam Portable, 8 to 40  
H. P.; Steam; Steam  
Traction) ..... B  
Scheidler Machine Wks.  
(Steam Portable, 8 to 40  
H. P.) ..... B

**OHIO—Pomeroy**  
Pomeroy Machine Co.  
(Steam Farm) ..... B

**OHIO—Ravenna**  
Byers Machine Co., Jno. F.  
(Steam Hoisting; Mining;  
Vertical Steam) ..... B

**OHIO—St. Marys**  
St. Mary's Machine Co.  
(Gas; Gasoline) ..... A

**OHIO—Salem**  
Buckeye Engine Co. (Blow-  
ing; Automatic Cut-Off  
Steam; Compound Steam)  
AAA

**OHIO—Sandusky**  
Klots Machine Co. (Steam,  
10 to 150 H. P.; Vertical  
Steam, 10 to 50 H. P.) B

**OHIO—Springfield**  
Amer. Engraving Co. (Gas;  
Gasoline) ..... C  
Bauroth & Bro., W. F.  
(Gas; Gasoline) ..... C  
Foos Gas Engine Co. (Gasoline,  
1½ to 250 H. P.) A  
Kelly Co., O. S. (Heavy  
Traction Steam; Portable  
Steam; Farm Steam) ... AA  
Leffel & Co., James (Horiz-  
ontal Steam; Vertical  
Portable Steam; Portable  
Steam; Portable on Skids  
Steam; Portable on  
Wheels Steam; Automatic  
Cut-Off Steam; Farm  
Steam; Vertical Steam;  
Throttling Cut-Off Steam)  
AA  
Springfield Gas Engine Co.  
(Gas; Gasoline) ..... D  
Trump Mfg. Co. (Portable  
on Skids Steam) ..... A

**OHIO—Swanton**  
Baker Co., A. D. (Steam  
Traction) ..... B

**OHIO—Toledo**  
Ricard Boiler & Engine Co.,  
700 Water (Steam) ... B  
Toledo Fdry. & Machine Co.  
(Steam Hoisting; Marine  
Steam) ..... B

**OHIO—Warren**  
McMyler Mfg. Co. (Haulage;  
Steam Hoisting) ..... A

**OHIO—Wellington**  
Wellington Machine Co.  
(Steam) ..... B

**OHIO—Wellsville**  
Stevenson Co. (Steam) ... B

**OHIO—Youngstown**  
Sennet Co., Geo. B. (Steam  
20 to 40 H. P.) ..... A  
Tod Co., Wm. (Blowing;  
Steam Corliss; Reversing;  
Roll Mill; Steam, 75 to  
5,000 H. P.) ..... AA  
United Engineering & Fdry.  
Co. (Steam) ..... A

**OHIO—Zanesville**  
Griffith & Wedge Co.  
(Hoisting Steam; Quarry  
Steam; Horizontal Steam;  
Hauling Steam; Winding  
Steam; Portable Steam;  
Portable on Skids Steam;  
Portable on Wheels  
Steam; Farm Steam) ... B

**ENGINES (Con.)**

**OREGON—Astoria**  
 Astoria Iron Wks. (Inc.)  
 (Marine Gas; Gasoline;  
 Steam) .....A  
**OREGON—Portland**  
 Arthur & Co., J. M., 40 1st  
 (Steam Hoisting) .....B  
 Columbia Engineering Wks.  
 (Steam Hoisting; Marine;  
 Steam) .....B  
 Honeyman & Co., J. (Ma-  
 rine) .....D  
 Portland Iron Wks., 495  
 Northrop (Steam Hoist-  
 ing; Steam) .....A  
 Tatum & Bowen (Logging)  
 X  
 Willamette Iron & Steel  
 Wks., 123 3d N. (Steam)  
 B  
**PA.—Allegheny**  
 Carlin Machy. & Supply Co.  
 (Steam Hoisting) .....A  
 Carlins' Sons Co., Thomas  
 (Steam Hoisting) .....A  
 National Gear Wheel & Fdy.  
 Co., South Av. & Walker  
 (Gas) .....C  
 Porter Fdry. & Machine Co.  
 (Vertical Steam. 2 to 35  
 H. P.) .....A  
**PA.—Allentown**  
 Allentown Fdry. & Machine  
 Wks. (Hoisting Steam;  
 Mining Steam) .....A  
 Mosser & Son, Wm. F.  
 (Steam) .....A  
 Nadig & Bro. Mfg. Co.,  
 Chas. H. (Gasoline; Auto-  
 matic Single; Double Act-  
 ing Steam) .....A  
**PA.—Avonmore**  
 West Penn. Fdry. & Mach.  
 Co. (Rolling Mill; Steam)  
 B  
**PA.—Bangor**  
 Flory Mfg. Co., S. (Haulage;  
 Steam Hoisting; Logging;  
 Steam) .....A  
**PA.—Beaver Falls**  
 Champion Saw & Gas En-  
 gine Co. (Gas; Gasoline)  
 C  
 Keystone Driller Co. (Ver-  
 tical Steam) .....B  
**PA.—Birdsboro**  
 Diamond Drill & Mach. Co.  
 (Steam) .....B  
**PA.—Bradford**  
 Bovaird & Co. (Steam) ....A  
 Bovaird & Seyfang Mfg. Co.  
 (Steam) .....A  
 Caldwell & Co., E. R.  
 (Steam) .....B  
 McElwaine Co. (Gas) ....A  
**PA.—Brownsville**  
 Herbertson's Sons, J. (Hoist-  
 ing Steam; Marine Steam)  
 D  
**PA.—Butler**  
 Evans Mfg. Co. (Steam) ..B  
 Palm Gas Engine Co. (Gas)  
 A  
**PA.—Chambersburg**  
 Chambersburg Engineering  
 Co. (Steam) .....A  
**PA.—Chester**  
 Delaware River Iron Ship  
 Bldg. & Engine Wks. (Ma-  
 rine; Steam) .....AAA  
 Niagara Hydraulic Engine  
 Co. (Hydraulic Pumping)  
 B  
 Wetherill Machine Co., Jas.  
 P. (Steam) .....C  
 Wetherill & Co., Robt.  
 (Steam Corliss, 25 to 2,000  
 H. P.; Stationary Steam)  
 AAAA  
 Wetherill & Co., R. (Com-  
 pound Corliss; Steam;  
 Street Railway; Pumping)  
 AAAA  
**PA.—Connellsville**  
 Connellsville Machine & Car  
 Co. (Steam) .....A  
**PA.—Corry**  
 Ajax Iron Wks. (Gas; Gaso-  
 line, 4 to 40 H. P.; Steam)  
 B  
 Climax Mfg. Co. (Double

**FIGURES (Con.)**

Cylinder High Speed  
 Steam; Vertical Steam, 6  
 to 100 H. P.) .....AA  
**PA.—Downingtowa**  
 Downingtowa Mfg. Co.  
 (Ltd.) (Beating) .....A  
**PA.—Du Bois**  
 Dubois Iron Wks. (Steam)  
 AAAA  
**PA.—East Stroudsburg**  
 Stauffer, Geo. E. (Steam)  
 O  
**PA.—Erie**  
 Ball Engine Co. (High Speed  
 Automatic Steam; Horiz-  
 ontal Steam; Automatic Cut-  
 Off Steam; Compound  
 Steam; Vertical Steam)  
 AA  
 Bay State Iron Wks. (Hori-  
 zontal Steam; Marine  
 Steam; Portable Steam;  
 Automatic Cut-Off Steam;  
 Vertical Steam; Vertical  
 Cut-Off Steam) .....F  
 Erie City Iron Wks. (High  
 Speed Automatic Steam;  
 Horizontal Steam; Throt-  
 tling; Oil Well Steam;  
 Portable Steam; Portable  
 on Skids Steam; Portable  
 on Wheels Steam; Auto-  
 matic Cut-Off Steam;  
 Double Steam; Farm  
 Steam) .....AAAA  
 Erie Engine Wks. (Steam  
 Portable, 6 to 50 H. P.;  
 Steam) .....A  
 Erie Mfg. & Supply Co. (Di-  
 rect Connected; Belted;  
 Horizontal; Vertical;  
 Plain; Automatic Steam;  
 Steam Vertical) .....A  
 Erie Pump & Engine Co.  
 (Steam Vertical) .....C  
 Lake City Engineering Co.  
 (Marine) .....X  
 Link Machy Co., E. M.  
 (Steam) .....C  
 Nagle Engine & Boiler  
 Wks. (High Speed; Auto-  
 matic Steam; Horizontal  
 Steam; Portable Steam;  
 Farm Steam; Vertical  
 Steam) .....AAAA  
 Skinner Engine Co. (Direct  
 Connected; Belted; Steam  
 Portable, 8 to 40 H. P.;  
 Automatic Steam, 8 to 60  
 H. P.) .....B  
 Stearns Mfg. Co. (High  
 Speed Automatic Steam) B  
**PA.—Franklin**  
 Franklin Supply Co. (Gas)  
 O  
 Sheperd Engineering Co.  
 (Steam) .....B  
**PA.—Grove City**  
 Bessemer Gas Engine Co.  
 (Gas) .....A  
**PA.—Harrisburg**  
 Harrisburg Fdry. & Machine  
 Wks. (Steam Corliss; Au-  
 tomatic Steam, 40 to 1,000  
 H. P.) .....A  
**PA.—Kennett Square**  
 Amer. Road Machine Co.  
 (Steam Portable; Steam)  
 AA  
**PA.—Lancaster**  
 Best, Jno. (Hoisting Steam;  
 Horizontal Steam; Portable  
 Steam; Portable on Skids  
 Steam; Portable on  
 Wheels Steam; Farm  
 Steam; Vertical Steam) B  
**PA.—Lebanon**  
 Welmer Machine Wks. Co.  
 (Blowing, 30 to 2,000 H.  
 P.; Steam Corliss; Steam  
 Hoisting for Furnaces and  
 Mines; Steam) .....AA  
**PA.—Mauch Chunk**  
 Stroh, W. H. (Est. of)  
 (Haulage; Steam Hoist-  
 ing) .....B  
**PA.—Meadville**  
 Phoenix Iron Wks. Co.  
 (Portable Steam; Auto-  
 matic Cut-Off Steam; Street

# **ENGINES (Con.)**

Railway) .....A  
 PA.—Monongahela  
 Monongahela Mfg. Co.  
 (Haulage) .....B  
 Robinson Machine Co.  
 (Haulage; Steam Hoist-  
 ing; Steam) .....B  
 PA.—New Brighton  
 Pierce-Crouch Engine Co.  
 (Gas; Gasoline) .....B  
 PA.—Morristown  
 Newbold & Son, Co., E. S.  
 (Rolling Mill; Slide Valve  
 Steam) .....A  
 PA.—Oil City  
 Oil City Boiler Wks. (Inc.)  
 (Portable Steam) .....A  
 Reid Gas Engine Co., Jno.  
 (Gas) .....A  
 PA.—Philadelphia  
 Bakley Iron Wks., Jno., 514  
 N. 2d (Steam) .....A  
 Barr Pump Co. (Pump) .....A  
 Box & Co., Alfred (Hoist-  
 ing Steam) .....B  
 Cox & Sons Co., 215 Race  
 (Steam Corliss; Steam) .....B  
 Cramp & Sons Ship & En-  
 gine Bldg. Co., Wm. (Ma-  
 rine Steam) .....A  
 D'Olier Engineering Co.,  
 119 S. 11th (Steam Tur-  
 bine) .....C  
 Fairbanks Co., 701 Arch  
 (Gas; Gasoline) .....A  
 Kensington Engine Wks.  
 Ltd. (Horizontal Steam;  
 Automatic Cut-Off Steam)  
 A  
 Midvale Steel Co. (Marine)  
 A  
 Motor Vehicle Power Co.,  
 1221 Spg. Garden (Marine;  
 Gas; Gasoline; Gasoline  
 Yacht; Launch) .....X  
 Naylor, Jno. H., Front, cor.  
 Girard Av. (Steam) .....A  
 Nittinger, August (Hori-  
 zontal Steam; Vertical  
 Steam) .....A  
 Otto Gas Engine Wks. (Gas;  
 Gasoline; Pumps Com-  
 bined; Gas; Gasoline  
 Launch) .....A  
 Penna. Iron Wks. Co. (Gas;  
 Gasoline) .....A  
 Phila. Engineering Wks.  
 (Ltd.) (Blowing; Corliss  
 Steam) .....X  
 Phillips & Sons Co., F. R.,  
 Penna. Bldg. (Rolling  
 Mill) .....D  
 Rich, J. & G., 120 N. 6th  
 (Steam; Vertical Steam)  
 B  
 Sibley, Gideon (Dental) .....A  
 Southwark Fdry. & Machine  
 Co. (Blast; Blowing; High  
 Speed Automatic Steam;  
 Horizontal Steam; Port-  
 able Steam; Automatic  
 Cut-Off Steam; Compound  
 Condensing Steam; Double  
 Steam; Farm Steam) .....A  
 White Dental Mfg. Co., S.  
 S. (Dental) .....A  
 Williamson Bros. Co., E.  
 Cumberland, cor. Thomp-  
 son (Steam Hoisting) .....A  
 York Mfg. Co. (Ltd.) (of  
 York, Pa.) North Amer.  
 Bldg. (Steam Corliss;  
 Steam Vertical) .....A  
 Fischer Fdry. & Mach. Co.  
 (Automatic Steam) .....A  
 PA.—Pittsburg  
 Hogg Iron & Steel Fdry. Co.,  
 Geo. A., 24th & R. R.  
 (Steam Corliss; Reversing;  
 Steam for Rolling Mill) .....A  
 Macintosh, Hemphill & Co.,  
 ft. of 12th (Steam) .....A  
 Meeta Machine Co. (Blow-  
 ing; Steam Corliss; Roll-  
 ing Mill) .....A  
 Oil Well Supply Co., 21st &  
 A. V. Ry. (Gas; Steam)  
 A  
 Phoenix Steel Construction  
 Co., Penn. Av. & 3d  
 (Haulage; Logging) ...D

# **ENGINES (Con.)**

Pittsburg Electrical &  
 Mach. Wks. (Vertical  
 Steam) .....E  
 Porter & Co., H. K. (Auto-  
 matic Cut-Off Steam)  
 A  
 Westinghouse Electric Mfg.  
 Co. (Electric) .....A  
 Westinghouse Machine Co.  
 (Steam Corliss; Steam  
 Portable, 5 to 25 H. P.;  
 Steam) .....A  
 PA.—Pittston  
 Exeter Machine Wks.  
 (Haulage; Steam Hoist-  
 ing) .....A  
 PA.—Pottsville  
 Sparks & Parker (Steam) .....O  
 PA.—Reading  
 Johnston Fdry. & Machine  
 Co. (Gas; Gasoline) .....B  
 Orr & Sembower (Inc.) (Ma-  
 rine; Steam; Vertical  
 Steam) .....A  
 Reading Iron Co. (Steam  
 Corliss; Rolling Mill;  
 Steam) .....A  
 PA.—Ridgway  
 Ridgway Dynamo & Engine  
 Co. (Direct Connected;  
 Belted; Steam) .....A  
 Ridgway Mfg. Co. (Steam)  
 O  
 PA.—Scottdale  
 Kenney & Co. (Haulage;  
 Steam Hoisting; Automa-  
 tic Slide Valve Steam) .....A  
 PA.—Scranton  
 Finch Mfg. Co. (Haulage;  
 Steam Hoisting; Steam)  
 A  
 PA.—Shamokin  
 Mullen & Son, John (Haul-  
 age; Steam Hoisting;  
 Steam) .....A  
 PA.—Spring Forge  
 Glatfelter, P. H. (Vertical  
 Portable Steam; Automa-  
 tic Cut-Off Steam) .....A  
 PA.—Stroudsburg  
 Stroudsburg Engine Wks.  
 (Steam Hoisting; Steam)  
 C  
 PA.—Tamaqua  
 Tamaqua Mfg. Co. (Vertical  
 Steam) .....B  
 PA.—Tatamy  
 Messenger Mfg. Co. (Steam  
 Portable; Portable on  
 Wheels; Automatic Steam,  
 8 to 25 H. P.; Vertical  
 Steam) .....B  
 PA.—Titusville  
 Titusville Iron Co. (Gas;  
 Gasoline; Steam) .....A  
 Young & Sons, E. E.  
 (Steam) .....B  
 PA.—Troy  
 Troy Engine & Mach. Co.  
 (Jno. A. Parsons, Prop.)  
 (Steam) .....B  
 PA.—Warren  
 Struthers, Wells & Co. (Gas;  
 Gasoline; Portable on  
 Wheels Steam; Artesian  
 Well Steam) .....A  
 PA.—Waynesboro  
 Frick Co. (High Speed Au-  
 tomatic Steam; Hoisting  
 Steam; Horizontal Steam;  
 Traction Steam; Vertical  
 Portable Steam; Portable  
 Steam; Portable on Skids  
 Steam; Portable on  
 Wheels Steam; Automatic  
 Cut-Off Steam; Corliss  
 Beam Steam; Compound  
 Steam; Compound Corliss  
 Steam; Compound Hori-  
 zontal Steam; Farm Steam;  
 Vertical Steam) .....A  
 Geiser Mfg. Co. (Steam  
 Portable on Wheels; Silks;  
 Steam, 8 to 30 H. P.;  
 Wood; Coal Traction)  
 A  
 PA.—Wilkesbarre  
 Vulcan Iron Wks. (High  
 Speed Automatic Steam;  
 Hoisting Steam; Duplex  
 Hoisting Steam; Mining

**ENGINES (Con.)**

Steam; Friction Hoisting  
 Steam; Horizontal Steam;  
 Hauling Steam; Winding  
 Steam; Double Steam;  
 Vertical Steam; Pumping)  
 AAAAA

**PA.—Williamsport**

Larzelere Machine Co.  
 (Steam) .....B  
 Valley Iron Wks. (High  
 Speed Automatic Steam;  
 Electric; Automatic Cut-  
 Off Steam) .....A

**PA.—York**

Farguhar Co. (Ltd.), A. B.  
 (Steam Corliss; Steam  
 Portable, 4 to 40 H. P.;  
 Portable on Wheels; Cen-  
 tre Crank Steam; Steam  
 Traction; Steam Vertical)  
 AAAA

**Hench & Dromgold Co.**

(Portable Steam) .....B  
 Motter & Sons, Geo. F.  
 (Hoisting Steam; Hor-  
 izontal Steam; Portable  
 Steam; Farm Steam; Ver-  
 tical Steam) .....C

York Mfg. Co. (Horizontal  
 Steam; Corliss Steam;  
 Vertical Steam) ....AAA

**R. I.—Bristol**

Herreshoff Mfg. Co. (Steam  
 Marine; Yacht; Launch)  
 R

**R. I.—Hope Valley**

Nichols & Langworthy  
 Mach. Co. (Steam)....AA

**R. I.—Providence**

Amer. & British Mfg. Co.  
 (Automobile) .....AAAA

Bowen Electric Co., 58

Point (Kerosene Oil)...X

Fuller Iron Wks., 40 Tock-

wotton (Steam Hoisting;

Steam Portable; Steam).A

Harris Steam Engine Co.,

Wm. A. (Steam Corliss,

20 to 2,000 H. P.; Auto-

matic Steam) .....B

Providence Engineering Co.

(Steam Corliss; Marine

Steam) .....A

**S. C.—Charleston**

Valk & Murdock Iron Wks.

(Steam) .....B

**S. C.—Columbia**

Palmetto Iron Wks. (Steam)

B

Tozer Engine Wks. (Steam)

C

**TENN.—Chattanooga**

Casey & Hedges Mfg. Co.

(Steam) .....A

Chattanooga Engine & Boll-

er Wks. (Steam).....A

Lookout Boiler Mfg. Co.

(Steam) .....C

Walsh & Weldner Boiler Co.

(Steam Portable; Steam)

A

Wheland Mach. Wks. (Cen-

tre; Slide Valve Steam).A

**TENN.—Jackson**

Southern Engine & Boiler

Wks. (Inc.) (Steam Cor-

liss; Direct Connected;

Belted; Logging; Steam

Portable on Wheels;

Steam) .....A

**TENN.—Memphis**

Chickasaw Iron Wks. 2d.

cor. Winchester (Hoisting

Steam; Steam) .....A

Ellis & Sons, Wm. C., 489

Shelby (Steam) .....C

**TENN.—Nashville**

Nashville Machine Co.

(Steam) .....B

Stewart & Bruckner, 157 N.

College (Steam) .....C

**TEXAS—Galveston**

Astall Iron Wks. Co., 2615

Strand (Steam) .....C

**TEXAS—San Antonio**

Collins Mfg. Co., F. F.

(Steam) .....A

**VT.—Rutland**

Howe Scale Co. (Gas; Gas-

**ENGINES (Con.)**

VT.—Westminster Station  
 Abenague Machine Wks.  
 (Gas; Gasoline) .....A

**VA.—Newport News**

Newport News Ship Bldg. &

Dry Dock Co. (Marine

Steam) .....AAAAA

**VA.—Norfolk**

Godwin & Co., Thos. W.

(Gas; Gasoline; Steam).B

**VA.—Petersburg**

Petersburg Iron Wks. Co.

(Marine) .....D

**VA.—Richmond**

Smith-Courtney Co. (Gas;

Gasoline) .....B

**WASH.—Seattle**

Hefferman Engine Wks.

(Marine; Steam) .....B

Mitchell Lewis & Staver

Co. (Logging) .....B

Moran Bros. Co. (Marine;

Steam) .....AAAAA

Northwestern Iron Wks.

(Steam Hoisting; Marine;

Steam) .....C

Washington Iron Works Co.

(Logging) .....AA

**WASH.—Spokane**

National Iron Wks. (Inc.)

(Steam) .....C

**WASH.—Tacoma**

Puget Sound Dry Dock &

Mach. Co. (Marine;

Steam) .....B

Puget Sound Iron & Steel

Wks., A, cor. 21st

(Steam) .....B

**W. VA.—Parkersburg**

U. S. Engine Co. (Gas; Gas-

oline; Traction Steam)...B

**WIS.—Beloit**

Thompson & Sons Mfg. Co.,

J. (Gas; Gasoline)....AA

**WIS.—Corliss**

Brown-Corliss Engine Co.

(Steam Corliss, heavy

duty up to 8,000 H. P.;

Steam) .....AA

**WIS.—Eau Claire**

Phoenix Mfg. Co. (Steam)

A

**WIS.—Fond du Lac**

Giddings & Lewis Mfg. Co.

(Steam) .....B

**WIS.—Manitowoc**

Smalley Mfg. Co. (Portable

Steam; Farm Steam)...B

**WIS.—Marinette**

Stevens Co., A. W. (Steam

Traction) .....AA

**WIS.—Milwaukee**

Allis-Chalmers Co. (Gas;

Blowing; Hoisting Seam;

Mining Steam; Electric;

Portable Steam; Com-

pound Steam; Corliss

Steam; Vertical Steam;

Street Railway; Pump-

ing) .....AAAAA

Bayley & Sons Co., Wm.,

732 Greenbush (Steam;

Vertical Steam) .....A

Filer & Stowell Co. (Ltd.)

(Hoisting Steam; Hor-

izontal Steam; Compound

Steam; Compound Con-

densing Steam; Compound

Corliss Steam; Compound

Horizontal Steam; Street

Railway; Pumping) AAA

Hoffman & Billings Mfg.

Co. (High Speed Corliss

Steam; Horizontal Steam;

Corliss Beam Steam; Com-

pound Corliss Steam).AA

National Blower Wks., 17th

& St. Paul Av. (Steam;

Steam Vertical) .....B

Nordberg Mfg. Co. (Steam

Corliss; Steam Hoisting;

Automatic Steam) ....AA

Pawling & Harnischfeger

(Duplex Hoisting Steam;

Steam Steering) ....AAA

Sheriffs Mfg. Co. (Steam

Marine; Triple Steam

Steering; Compound

Steam; Dredge Steam).B

Vilter Mfg. Co. (Steam Cor-

**ENGINES (Con.)**  
 Iss, 20 to 1,000 H. P.;  
 Steam) .....AA  
**WIS.—Racine**  
 Case Threshing Mach. Co.,  
 J. I. (Gas; Gasoline;  
 Steam Straw Burning  
 Farm; Steam Traction;  
 Traction Straw Burning;  
 Steam Portable; Steam  
 Portable on Skids; Steam  
 Portable on Wheels;  
 Steam Farm) .....AAAA  
 Johnson & Field Mfg. Co.  
 (Kerosene Burning) ..F  
 Pierce Engine Co. (Gas;  
 Gasoline; Steam).....B  
**WIS.—Superior**  
 Superior Ship Bldg. Co.  
 (Marine) .....AAA  
**WIS.—Watertown**  
 Kunert Mfg. Co., E. (Stem  
 Vertical, 6 to 15 H. P.) C

## ENGINES: DIE SINKERS & SURGICAL

**PA.—Philadelphia**  
 White Dental Mfg. Co., The  
 S. S., 12th & Chest  
 (Branches at New York,  
 Chicago, Boston & Atlan-  
 ta) .....AAAA

*The manufacturing  
 community at large will  
 be interested to know  
 that this firm has on the  
 market a Die Sinker's  
 Engine of its own manu-  
 facture, useful to any  
 establishment that has  
 need of such machinery  
 —and there are very few  
 manufacturers who have  
 not. The fact that it is  
 up to our standard in  
 quality will at once es-  
 tablish its reputation in  
 the minds of all who are  
 familiar with that stand-  
 ard.*

## ENGRAVINGS

**ILL.—Chicago.**  
 Blomgren Bros. & Co. (Pho-  
 tograph) .....C  
 Hawtin Engraving Co.  
 (Wood) .....E  
**MASS.—Boston**  
 Lowell & Co., Jno. A. (Steel)  
 D  
**N. Y.—Buffalo**  
 Gies & Co. (Photograph)  
 AAA  
**New York City**  
 Electro-Light Engraving Co.  
 (Photograph) .....B  
 Moss Photo-Engraving Co.  
 (Photograph) .....E  
 Photo-Electotype Engraving  
 Co. (Photograph) .....C  
 Photo-Engraving Co. (Photo-  
 graph) .....E  
 Ringle Co., F. A. (Photo-  
 graph) .....A  
**R. I.—Providence**  
 Hope & Sons Engraving &  
 Mfg. Co., Jno. (Fabric  
 Printers' .. B

## ENVELOPES

**CONN.—Burnside**  
 Taylor-Atkins Paper Co. .C  
**CONN.—Hartford**  
 U. S. Envelope Co. (Plimp-  
 ton Mfg. Co Div.) .AAAA  
**CONN.—Kensington**  
 American Paper Goods Co.  
 (Package) .....B  
**CONN.—Rockville**  
 U. S. Envelope Co. (White-  
 Corbin Co. Div.) .AAAA

**ENVELOPES (Con.)**  
**ILL.—Chicago**  
 Butler Paper Co., J. W..  
 212-218 Monroe (Letter)  
 AAA  
 Chicago Envelope Co., 79  
 5th Av (Merchandise) .C  
 Denny Env. & Tag Co., 50-52  
 Mich Av. ....B  
 Landa & Co., 1784 E.  
 Ravenswood (Leather Doc-  
 ument) .....H  
 Morgan Env Co., 116 Lake  
 AAAA  
 Sewell-Clapp Mfg Co., 521  
 531 Wabash Av (Merchandise)  
 .....C  
**IND.—Elkhart**  
 Garden City Stationary Co. C  
**MASS.—Boston**  
 Berlin & Jones Envelope Co.,  
 220 Devonshire .....A  
 Busch Mfg. Co., C. H., 135  
 Oliver .....C  
 Ward Co., Saml., 53-57  
 Franklin .....B  
**MASS.—Brightwood**  
 Birnie Paper Co. ....B  
**MASS.—Chelsea**  
 Russell & Son Co., R. Y.  
 (Mailing) .....D  
**MASS.—Holyoke**  
 Powers Paper Co. ....AA  
 U. S. Env. Co. (Holyoke  
 Env. Co. Div.) .....AAAA  
 Whiting Paper Co. ....AAAA  
**MASS.—Pittsfield**  
 Eatou-Hurlbut Paper Co. .A  
**MASS.—Springfield**  
 Birnie Paper Co. ....B  
 U. S. Env. Co. (P. P. Kel-  
 logs & Co. Div.) .....AAAA  
 U. S. Env. Co. (Morgan  
 Env. Co. Div.) .....AAAA  
 U. S. Envelope Co. (Main  
 Office) .....AAAA  
**MASS.—Worcester**  
 Sherman Env Co. ....B  
 U. S. Env. Co. (Hill Env.  
 Co., W. H. Div.) .....AAAA  
 U. S. Env. Co. (Logan, Swift  
 & Brigham Env. Co. Div.)  
 AAAA  
 U. S. Env. Co. (Whitcomb  
 Env. Co. Div.) .....AAAA  
 Worcester Env. Co. (Letter  
 & Package) .....C  
**MINN.—Minneapolis**  
 Heywood Mfg. Co. ....B  
**MO.—Kansas City**  
 Berkowitz Env Co. ....C  
**MO.—St. Louis**  
 Cupples Env. Co., Saml.,  
 6th & Cerre .....B  
 Hesse Env. Co., 123 Locust  
 C  
 Mound City Printing House,  
 11 S. 2d .....C  
**NEBR.—Omaha**  
 Carpenter Paper Co. ....A  
**N. J.—Newark**  
 Benjamin Bros. (Letter).X  
**N. Y.—Binghamton**  
 Commercial Env. Co. ....B  
**N. Y.—Brooklyn**  
 Bainbridge's Sons, Chas. T.,  
 12 Cumberland (Letter).A  
 Gair Co., Robert, Washn.  
 (Package) .....D  
 Thompson & Norris Co., 10-  
 34 Prince .....AA  
**N. Y.—Buffalo**  
 Buffalo Env. Co., 45 N.  
 Division .....C  
 Niagara Env. Mfg. Co. ....B  
**New York City**  
 Barnum & Co., 38 Park  
 Pl. ....C  
 Berlin & Jones Env. Co., 136  
 William .....A  
 Clasp Envelope Co., 66  
 Pearl (Package) .....D  
 Cupples Env Co., Saml., 84  
 White .....B  
 Goodbody, Wm., 505 W.  
 Bway. (Mailing) .....F  
 Hake Mfg. Co., Ph., 182  
 Essex .....B  
 Hinde & Dauch Paper Co.,  
 171 Duane (Mailing) ...B  
 Furd & Co., Geo. B., 425



**ENVELOPES (Con.)**

Broome .....AA  
 Improved Mailing Case Co.,  
 158 W. Broadway (Let-  
 ter & Package).....F  
 Meyers, H. N., 102 Cham-  
 bers .....C  
 Neostyle Envelope Co., 88  
 Reade (Merchandise)...D  
 Powers Paper Co., 290  
 Bdway. ....AA  
 Raynor & Perkins Env. Co.,  
 115 William (Letter)...A  
 Tension Envelope Co., 22  
 Reade (Package) .....X  
 U. S. Env. Co., 339 Bdway  
 ....AAAA  
 Whiting, F., 85 William..C  
 Whitting Paper Co., 150  
 Duane .....AAAA  
**N. Y.—Rochester**  
 Karle Lithographic Co...B  
**N. Y.—Saugerties**  
 Saugerties Mfg. Co.....A  
**OHIO—Cincinnati**  
 Carpenter & Co., W. B., 310  
 Walnut .....B  
 Chatfield & Woods, Central  
 Av. & 4th .....A  
 Globe-Wernicke Co., The,  
 4th & Elm .....AAAA  
**OHIO—Dayton**  
 Dayton Env. Mfg. Co.....C  
**OHIO—Springfield**  
 Thomas Stationery Co....C  
**OHIO—West Carrollton**  
 American Env. Co.....A  
 Friend Paper & Tablet Co.,  
 Geo. H. ....AAA  
**OREGON—Portland**  
 Pacific Paper Co.....B  
**PA.—Huntington**  
 Blair Co., J. C. ....A  
**PA.—Philadelphia**  
 Cohen, Chas. J., 312 Chest-  
 nut .....B  
 Molten & Co., R. R., 23 S.  
 6th .....C  
 Berburn Mfg. Co., 19th &  
 Allegheny .....C  
 Royal & Co., Thos. M., 3d  
 & Locust .....B  
 Spangler & Co., E. J., 507  
 Ludlow .....C  
**R. I.—Providence**  
 American Env. Co.....A  
**VA.—Richmond**  
 Union Env. Co.....C  
**WIS.—Milwaukee**  
 U. S. Env. Co. (National  
 Env. Co. Div.).....AAAA

**EPAULETTES**

**PA.—Philadelphia**  
 Horstmann Co., Wm.

**EQUALIZERS**

**GA.—Rome**  
 Towers & Sullivan Mfg. Co.  
 (Plow) .....B  
**ILL.—Chicago**  
 Turner Brass Wks. (Wind  
 Mill) .....A  
**MO.—Sawyer**  
 Implement Woodstock &  
 Mfg. Co. (Horse).....X  
**OHIO—Cleveland**  
 Oram, John S., Hamilton &  
 Coe (Horse; Stave)...A

**ERADICATORS**

**ILL.—Chicago**  
 Eureka Blotter Bath Co.  
 (Ink) .....E  
**MASS.—Boston**  
 Cutter-Tower Co. (Ink)..B  
**MO.—St. Louis**  
 Levison & Blythe Mfg. Co.  
 (Ink) .....D  
**New York City**  
 Collins Ink Eradicator Co.,  
 H. H., 60 Perry (Ink)..F

**ERASERS**

**CONN.—Bridgeport**  
 Challenge Cutlery Corp'n.  
 (Ink) .....A

**ERASERS (Con.)**

**CONN.—East River**  
 Munger & Son (Blackboard;  
 Slate) .....C  
**CONN.—Meriden**  
 Miller Bros. Cutlery Co.  
 (Steel) .....A  
**CONN.—Naugatuck**  
 Goodyears' India Rubber  
 Glove Mfg. Co. (Rubber)  
 ....AAAA  
**CONN.—Wallingford**  
 Wallace & Sons Mfg. Co.,  
 R. (Steel) .....AAAA  
**ILL.—Chicago**  
 Andrews Co., A. H. (Dust-  
 less; Blackboard).....AA  
 Londergan & Son, W. H.  
 (Blackboard) .....X  
 Sanford Mfg. Co. (Ink,  
 Liquid) .....B  
**MASS.—Boston**  
 Allen-Solman & Co. (Black-  
 board) .....F  
 Bailey & Co., C. J. (Rub-  
 ber) .....B  
 Carter's Ink Co. (Rubber)  
 ....A  
 Cutter & Tower Co. (Rub-  
 ber) .....B  
 Davidson Rubber Co. (Rub-  
 ber) .....A  
**MASS.—Worcester**  
 Coes, Loring & Co. (Inc.)  
 (Draughtman's) .....A  
**N. J.—Jersey City**  
 Dixon Crucible Co., Jos.  
 (Rubber) .....AAA  
**N. Y.—Jamestown**  
 American Mfg. Concern  
 (Blackboard) .....A  
**New York City**  
 Amer. Lead Pencil Co. (Rub-  
 ber) .....AA  
 Eagle Pencil Co. (Rubber)  
 ....AAA  
 Faber, Eberhard (Steel;  
 Rubber) .....AAA  
 Goodyear India Rubber  
 Glove Mfg. Co., 500 Bway.  
 (Rubber) .....AAAA  
 Goodyear Rubber Co. (Rub-  
 ber) .....AAAA  
 Keuffel & Esser Co., 127  
 Fulton (Rubber) .....AA  
 N. Y. Silicate Book Slate  
 Co. (Blackboard; Chamols)  
 ....D  
 Spencerian Pen Co. (Rub-  
 ber) .....AA  
 Wicbusch & Hilger (Ltd.), 9  
 Murray .....A  
**OHIO—Akron**  
 Akron Rubber Wks. (Rub-  
 ber) .....AAAA  
**OHIO—Barberton**  
 Pure Gum Specialty Co.  
 (Rubber) .....C  
**PA.—Philadelphia**  
 Philadelphia Novelty Mfg.  
 Co. (Rubber) .....D  
**R. I.—Providence**  
 Beno Co., William (Silver  
 Mounted) .....B  
**WIS.—La Crosse**  
 Monroe Eraser Mfg. Co.  
 (Rubber) .....X

**ERGOT**

**New York City**  
 Hopkins & Co., J. C., 100  
 William .....A  
 Lehn & Fink (Spanish).AAA  
 Schieffelin & Co. (Spanish;  
 Russian) .....AA

**ERGOTINE**

**MD.—Baltimore**  
 Sharp & Dohme .....AAA  
**New York City**  
 Boehringer & Sons, C. F...A  
 McKesson & Robbins.AAAA

**ESCALATORS ..**

See Stairways: Moving

# ESCAPES: FIRE

**CAL.**—San Francisco  
Western Iron Wks., 123  
Beale .....B  
**COLO.**—Colorado Springs  
Hassell Iron Wks., 1401  
Market .....B  
**D. C.**—Washington  
Barber & Ross, 614 11th  
N. W. ....A  
**ILL.**—Chicago  
Barbee Wire & Iron Wks.,  
44 Dearborn .....B  
Booth, Jno., 114 E. Lake..B  
Brauncoeller & Son, Hy., 92  
W. Van Buren .....B  
Smith Wire & Iron Wks., F.  
P., 100 Lake .....B  
Vierling, McDowell & Co.,  
23d & Stewart Av. ....A  
**IND.**—Lafayette  
Barbee Wire & Iron Wks..B  
**IOWA**—Davenport  
Schneider, Chris. ....B  
**IOWA**—Des Moines  
Des Moines Bridge & Iron  
Wks. ....B  
**IOWA**—Ottumwa  
Fair-Williams Bridge & Mfg.  
B  
**KY.**—Louisville  
Snead Arch'l Iron Wks.,  
10th, cor. Hill .....C  
**MAINE**—Portland  
Megquier & Jones Co., 31  
Pearl .....B  
**MD.**—Baltimore  
McLaughlin Co., Geo. T.,  
120 Fulton .....A  
Smith Iron Co., G. W. & F.,  
Gerard, cor. Leland....A  
**MASS.**—Everett  
New England Structural Co.  
A  
**MASS.**—Holyoke  
Coburn Trolley Track Mfg.  
Co. ....B  
**MASS.**—Medford  
Boston Steel & Iron Co..B  
**MASS.**—Springfield  
Springfield Iron Wks., 108  
Taylor .....C  
**MICH.**—Detroit  
Barnum Wire & Iron Wks.,  
E. T., 99 Shelby .....B  
Russel Wheel & Fdry. Co.  
A  
Whitehead & Kales Iron  
Wks., Beecher Av. & M.  
C. B. R. ....B  
**MINN.**—Minneapolis  
Crown Iron Wks. Co., 109  
2d Av., S. E. ....B  
Flour City Ornamental Iron  
Wks., 27th Av. & 27th S.  
B  
Twin City Fence & Wire  
Wks., 223 E. 6th....AA  
**MO.**—Kansas City  
Kansas City Wire & Iron  
Wks., 1428 Oak .....B  
**MO.**—St. Louis  
Banner Iron Wks., 715  
Locust .....B  
Christopher & Simpson  
Arch'l. Iron & Fdry. Co.,  
Park Av. & 9th....AA  
Globe Iron & Fdry. Co., 9th  
& Victor .....B  
Koken Iron Wks., Koken  
Bldg. ....AA  
Ludlow-Saylor Wire Co., 4th,  
cor. Elm .....A  
St. Louis Arch'l Iron Co..C  
Union Iron & Fdry. Co., 1458  
S. 2d .....B  
**N. J.**—Jersey City  
Snead & Co. Iron Wks....A  
**N. J.**—Newark  
Burns Iron Wks., 201  
Commerce .....B  
Hay Fdry. & Machine Wks.,  
306 Fairmont Av. ....A  
**N. Y.**—Brooklyn  
Hecla Iron Wks., N. 11th  
& Berry .....AA

**ESCAPES: FIRE (Con.)**  
**N. Y.**—Buffalo  
Ernest, Chas. F., 311 Wal-  
nut .....4  
Jones Iron Wks., 308  
Terrace .....B  
Machwirth Bros. Co., 201  
Oak .....A  
**N. Y.**—Newburgh  
Coldwell-Wilcox Co. ....B  
**New York City**  
Bowes, Jno. J., 227 K.  
29th .....B  
Cornell, J. B. & J. M., 26th  
& 11th Av. ....AA  
Dimond, Thomas, 128 W.  
33d .....A  
Happel, Adam, 1803 1st Av.  
B  
Harris Safety Co., 1133  
Bdway. (Portable) ...B  
Jackson Arch'l Iron Wks.,  
315 E. 28th .....AA  
Vreeland, G. A., 229 W.  
36th .....B  
**N. Y.**—Long Island City  
Richey, Brown & Donald..A  
**N. Y.**—Troy  
Mahony Mfg. Co., 5th Av.  
& Liberty .....B  
West Side Foundry Co., 3d  
Av. N. 28th .....A  
**OHIO**—Cincinnati  
Schrieber & Sons Co., L.,  
8th & Eggleston Av....AA  
Stewart Iron Wks., 3d &  
Culvert .....A  
**OHIO**—Cleveland  
Forest City Steel & Iron Co.,  
10 Ramsey .....A  
Variety Iron Wks. Co., Case  
Av., cor. Hamilton....B  
**OHIO**—Kenton  
Champion Iron Co. ....AA  
**OREGON**—Portland  
Phoenix Iron Wks., Haw-  
thorne, cor. E. 3d....C  
**PA.**—Allegheny  
Albree, Chester B., 1129  
Market .....A  
**PA.**—Philadelphia  
Baisley Iron Wks., Jno.,  
514 So. Del. Av. ....AA  
Belmont Iron Wks., 22d &  
Wash. Av. ....A  
Cresswell Iron Wks., Saml.,  
23d & Cherry .....B  
Darby & Sons, Edw., 231  
Arch .....A  
Hitzeroth, C., 3124 Market  
B  
Remppis Co., Wm. F., 331  
Witherspoon Bldg. ....C  
Thompson Bros., 112 Broad  
B  
**PA.**—Pittsburg  
Marshall Bros., 341 Dia-  
mond .....B  
Taylor & Dean, 201 Market  
B  
**PA.**—Reading  
Remppis Co., Wm. F., Wa-  
ter, at Lancaster Bridge.C  
**PA.**—Scranton  
Scranton Iron Fence & Mfg.  
Co., 1335 Capouse.....C  
**R. I.**—Providence  
Tower, J. H., 52 Borden..B  
**TENN.**—Chattanooga  
Cahill Iron Wks., 102 Boyce  
B  
**TENN.**—Memphis  
Chickasaw Iron Wks....A  
**WIS.**—Milwaukee  
Bayley & Sons Co., Wm.,  
732-736 Greenbush....A  
Pietsch, Ferd., 619 Cedar.B  
Skobis Bros., 955 30th...B  
**ESCLTCHEONS**  
**CONN.**—Bridgeport  
Gayner & Mitchell Mfg. Co.  
(Keyhole) .....C  
**CONN.**—Meriden  
Foster Merriam & Co. (Door;  
Keyhole; Drawer)....AA  
**CONN.**—New Haven  
Mallory, Wheeler & Co.  
(Door; Keyhole; Sliding  
Door) .....AA

**ESCUTCHEONS (Con.)**  
**Sargent & Co. (Door).** A A A A  
**CONN.—Stamford**  
 Yale & Towne Mfg. Co.  
 Cup; Door; Drawer; Key-  
 hole; Sliding Door). A A A A  
**CONN.—Waterbury**  
 Amer. Ring Co. (Door;  
 Keyhole; Drawer). A  
 Plume & Atwood Mfg. Co.  
 (Door; Drawer; Sliding  
 Door). A A A A  
**MICH.—Grand Rapids**  
 Grand Rapids Brass Co.  
 (Door; Drawer; Keyhole;  
 Sliding Door). A  
 Waddell Mfg. Co. (Wood). B  
 Hardware Supply Co. X  
 New York City  
 Bardsley, Joseph, 147 Bax-  
 ter. B  
 Ludwig, A., 75 Spring  
 (Box). B  
 Peck, Stow & Wilcox Co.,  
 27 Murray. A A A A  
 Russell & Erwin Mfg. Co.,  
 43 Chambers. A A A A  
**OHIO—Cleveland**  
 Taylor & Boggis Fdry. Co.  
 A A  
**OHIO—Piqua**  
 Piqua Handle & Mfg. Co.  
 (Door; Drawer). A  
**PA.—Reading**  
 Reading Hardware Co.  
 A A A A  
**R. I.—Providence**  
 New England Butt Co.  
 (Door; Drawer; Keyhole;  
 Sliding Door). A A

## ESSENCES

See also Extracts

**CAL.—San Francisco**  
 Folger & Co., J. A. (Cof-  
 fee). A A  
 Grandjean, Hy. (Coffee). D  
 Sherwood & Sherwood (Cof-  
 fee). A A A A  
**MASS.—Boston**  
 Beach & Clarridge Co. (Cof-  
 fee). B  
 Oriental Tea Co. (Coffee). A A  
**N. J.—Maywood**  
 Standard Essence Co. (Cof-  
 fee). A  
**N. Y.—Brooklyn**  
 Floto's Sons, Geo. (Coffee). C  
 Moller & Bro., G. H.  
 (Coffee). D  
**N. Y.—Buffalo**  
 Buchert, Philip (Coffee). A  
 Mersman, F. (Coffee). B  
**N. Y.—Flushing**  
 Francke, Sohne & Co., Hein-  
 rich (Coffee). A  
 New York City  
 Ackerman, Mary (Coffee). B  
 Hachelmacher & Bohmer  
 (Coffee). C  
 Schmittmann, Wm. F. (Cof-  
 fee). A  
**PA.—Philadelphia**  
 Natl. Essence for Coffee Co.  
 (Coffee). A  
 Tomson & Co., P. C. (Cof-  
 fee). A A A A  
 Welkel & Smith Spice Co.  
 (Coffee). A  
 Wilde Bros. (Coffee). B  
**WASH.—Seattle**  
 Crescent Mfg. Co. (Coffee). C  
**WIS.—Milwaukee**  
 Markhoff, W. (Coffee). G

## ETCHINGS

**ILL.—Chicago**  
 Blomgren Bros. & Co.  
 (Zinc). C  
 Hawtin Engraving Co.  
 (Zinc). E  
**MASS.—Boston**  
 Art Brass Co., 110 High  
 (Art). X

**ETCHINGS (Con.)**  
 New York City  
 Gill Engraving Co. (Zinc). C  
 Ringler & Co., F. A. (Zinc). A  
**OHIO—Dayton**  
 Dayton Art Glass Wks.  
 (Glass). F

## ETHER

**MD.—Baltimore**  
 Thomsen Chemical Co.  
 (Nitrous). B  
**MASS.—Boston**  
 Billings, Clapp & Co. B  
**MO.—St. Louis**  
 Larkin & Scheffler Chem.  
 Co. A  
 Mallinckrodt Chem. Wks.  
 A A A A  
**N. J.—Woodbridge**  
 Trubek Chemical Works, M.  
 (Acetic; Butyric; Nitrous;  
 Rum; Sulphuric; Valer-  
 ianic). E  
 New York City  
 Chaskel Chemical Wks. X  
 Cooper & Co., Chas., 194  
 Worth. A  
 Erkenbrach, Geo. A. D  
 Franco-American Chemical  
 Works, 90 W. Bdw. D  
 Heyden Chemical Wks., 40  
 Pine (Fruit). A  
 N. Y. Quinine & Chem. Wks.  
 Ltd. A  
 Schieffelin & Co., W. H., A A  
 Warner Chemical Co., 141  
 Bdw. (Acetic; Benzolc;  
 Butyric; Formic). A A A  
**PA.—Easton**  
 Baker & Adamson Chemical  
 Co. A  
**PA.—Philadelphia**  
 Powers-Weightman-  
 Rosengarten Co. A A A A  
**VA.—Richmond**  
 American Ether Co. B

## ETHYL: CHLORIDE

New York City  
 Franco-American Chemical  
 Wks., 90 W. Bdw. D

## EVAPORATORS

**CAL.—Petaluma**  
 Petaluma Incubator Co.  
 (Fruit). B  
**DEL.—Wilmington**  
 Pusey & Jones Co. (Multiple  
 Effects; Salt). A A A  
**ILL.—Chicago**  
 Am. Foundry & Machine Co.  
 (Chemical). A A  
 Wolf Co., Fred W. (Mul-  
 tiple Effects). A A A  
**ILL.—Noble**  
 Palmer & Co. (Fruit). B  
**ILL.—Odin**  
 Sebastian Bros. (Fruit). E  
**ILL.—Quincy**  
 Shahl Evaporated Co., Wm.  
 (Fruit). D  
**IND.—Bloomington**  
 Oakes Mfg. Co. (Fruit). D  
 Stutzman, D. (Fruit). F  
**KANS.—Fort Scott**  
 Fort Scott Fdry. & Machine  
 Co. (Sugar). H  
**KY.—Louisville**  
 Avery & Sons, B. F. (Mul-  
 tiple Effects). A A A  
**LA.—New Orleans**  
 Connell Iron Works, J. D.  
 (Iron). ●  
 Hauptman & Loeb Co., Ltd.  
 27 Gravier (Multiple Ef-  
 fects; Sorghum). B  
 Murphy, John H., 643 Maga-  
 zine (Multiple Effects). A A  
 Payne & Joubert, 423 Caron-  
 delet (Multiple Effects). A

**EVAPORATORS (Con.)**

MO.—St. Louis  
Cook Cane Mill & Evapora-  
tor Co. (Multiple Effects) **D**

Kingsland Mfg. Co. (Sorg-  
hum) **B**

N. Y.—Auburn  
New Birdsall Co. (Fruit) **AA**

N. Y.—Brooklyn

Burkhard, Thomas (Chemical) **C**

Pioneer Iron Wks., 155 Will-  
iam (Multiple Effects) **A**

N. Y.—Buffalo  
Dopp Co., H. W. (Chemical) **D**

Squier Mfg. Co., Geo. L.,  
420 Niagara (Multiple Ef-  
fects; Sugar; Fruit) **AAA**

N. Y.—Newburgh  
Coldwell-Wilcox Co. (Mul-  
tiple Effects) **B**

New York City  
Bartlett, Hayward & Co.,  
100 Bdw. (Multiple Ef-  
fects) **B**

Cornell Co., J. B. & J. M.,  
26th & 11th Av. (Mul-  
tiple Effects) **AA**

Deeley & Co., Robert, 507  
W. 32d (Multiple Effects;  
Sugar) **AA**

Krajewski-Pesant Co., 32  
Bdw. (Multiple Effects;  
Sugar) **AA**

Belly Repair & Supply Co.,  
229 West (Sugar) **AA**

Turl's Sons, Jno., 536 W.  
28th (Multiple Effects;  
Sugar) **D**

Wheeler Condenser & Engin-  
eering Co. (Multiple Ef-  
fects; Sugar) **A**

Yaryan Co., 41 Park Row  
(Sugar) **B**

N. Y.—Syracuse  
Boomer & Boschert Press  
Co. (Fruit) **A**

OHIO—Cincinnati  
Blymyer Iron Works Co.,  
2933 Spg. Grove Av. (Mul-  
tiple Effects; Fruit Sap;  
Sorghum; Sugar) **B**

OHIO—Cleveland  
Bartlett & Snow Co., C. O.  
(Chemical) **A**

Dyer & Co., E. H. (Multiple  
Effects) **AAA**

Kilby Mfg. Co. (Multiple  
Effects) **X**

OHIO—Hamilton  
Black & Clawson Co. **AAA**

OHIO—Hillsboro  
Bell Co., C. S. **A**

OHIO—Hudson  
Bouton & Son, Charles  
(Cider; Fruit; Jelly) **X**

Champion Evaporator Co.  
(Cider; Fruit; Jelly) **E**

OHIO—Mt. Gilead  
Hydraulic Press Mfg. Co.  
(Steam; Salt) **A**

OHIO—Warren  
Warren Evaporator Wks. **D**

PA.—Bloomsburg  
Harman-Cogger Co. (Acid;  
Sugar) **C**

Morris, Henry G., Phila.  
Bourse (Double; Single;  
Sorghum; Sugar) **B**

Oat & Sons, Jos., 230  
Quarry (Copper; Iron) **A**

Sugar Apparatus Mfg. Co.,  
326 Chestnut (Multiple Ef-  
fects) **B**

Wood & Co., R. D., 400  
Chestnut (Multiple Ef-  
fects) **AAAA**

TENN.—Chattanooga  
Casey & Hedges Mfg. Co.  
(Multiple Effects; Sugar) **A**

Chattanooga Plow Co.  
(Cider; Sorghum) **AA**

VT.—Bellows Falls  
Vermont Farm Machine Co.  
(Cider; Fruit; Sap; Sugar) **C**

**EVAPORATORS (Con.)**

VT.—Rutland  
Grimm & Co., G. H. **D**

**EWERS**

See Pottery

**EXALGINE**

New York City  
McKesson & Robbins **AAAA**

**EXCAVATORS**

See also Dredges

ILL.—Aurora  
Western Wheeled Scraper  
Co. **AA**

ILL.—Harvey  
Austin Mfg. Co., F. C.  
(Steam) **AAA**

MASS.—Boston  
Southern & Co., Jno., 671  
Dorchester Av. (Steam) **D**

MICH.—Bay City  
Industrial Works (Steam)  
**AA**

MINN.—Minneapolis  
Hilgore Machine Co.  
(Steam) **X**

MO.—St. Louis  
Leschen & Sons Rope Co.,  
A., 920 N. 1st (Steam) **AAA**

N. Y.—Albany  
Osgood Dredge Co. (Steam)  
**B**

Townsend Furnace & Mach.  
Shop Co. (Steam) **B**

New York City  
Hayward Co., 97 Cedar  
(Steam) **B**

Lidgerwood Mfg. Co., 96  
Liberty (Steam) **AAA**

N. Y.—Oswego  
Kingsford Foundry & Ma-  
chine Wks. **AAAA**

OHIO—Columbus  
Hillbourne & Jacobs Mfg.  
Co. (Steam) **AAAA**

OHIO—Marion  
Marion Steam Shovel Co.  
(Steam) **AAA**

OHIO—Toledo  
Ohio Steam Shovel Co.  
(Steam) **D**

Toledo Fdry. & Machine  
Co. (Steam) **B**

Vulcan Iron Wks. Co.  
(Steam) **A**

PA.—Philadelphia  
Noble, Henry A. (Odorless)  
**X**

WIS.—So. Milwaukee  
Bucyrus Co. (Steam) **AAA**

**EXCELSIOR**

ARK.—Pine Bluff  
Pine Bluff Bedding Co. **D**

FLA.—Jacksonville  
American Fibre Co. **C**

ILL.—Chicago  
Cold Blast Feather Co. **AA**

ILL.—Lincoln  
Lincoln Excelsior Co. **F**

IND.—South Bend  
Russell & Ober **D**

KANS.—Fort Scott  
Bearman, John M. **F**

KANS.—Wichita  
Wichita Furniture & Mfg.  
Co. (Mattress) **B**

LA.—Shreveport  
Shreveport Mfg. Co. (Ltd.)  
**D**

MD.—Baltimore  
Winchester, V. W. **E**

MASS.—Boston  
Boston Excelsior Co. **A**

Sammet & Son, G. W. **D**

MASS.—South Hanson  
Foster, John **C**

MICH.—Grand Rapids  
Fox Excelsior Co., J. W. **X**

New York City  
Huffman & Co., Theo. P. **B**

OHIO—Cincinnati  
Counsbury & Sons, G. H. **D**

**EXCELSIOR (Con.)**  
**WIS.—Marshfield**  
 Marshfield Bedding Co...D

## EXCHANGE

**MASS.—Boston**  
 Lowell & Co., John A.  
 (Bills of) .....D  
**New York City**  
 Amer. Bank Note Co.  
 (Bills of) .....AAAA  
 International Bank Note  
 Co. (Bills of) .....B  
**N. Y. Bank Note Co.**  
 (Bills of) .....A

## EXCITERS

**IND.—Ft. Wayne**  
 Ft. Wayne Electric Corpora-  
 tion .....AAAA

## EXERCISERS

**N. Y.—Buffalo**  
 Whitely Exerciser Co.  
 (Elastic) .....B  
**New York City**  
 American Exerciser Co.,  
 1123 B'way .....B  
**Ingersoll & Bro., R. H., 51**  
 Maiden Lane (Elastic) ..A  
**R. I.—Providence**  
 Narragansett Machine Co.,  
 A

## EXHAUSTERS

**CONN.—Hartford**  
 Hartford Blower Co.  
 (Planing Mill, etc.) ...X  
 Sterling Blower & Pipe Mfg.  
 Co. (Planing Mill, etc.)  
 A

**ILL.—Chicago**  
 Andrews & Johnson Co., 256  
 Washington Boul. (Plan-  
 ing Mill, etc.) .....B  
 Garden City Fan Co., 43 S.  
 Clinton (Planing Mill;  
 Gas) .....B

**IND.—Connersville**  
 Connersville Blower Co.  
 (Gas) .....A  
 Roots Co., P. H. & F. M.  
 (Gas) .....AA

**IND.—Ft. Wayne**  
 Kerr-Murray Mfg. Co.  
 (Steam Jet; Rotary) ...A

**MASS.—Boston**  
 Banister, A. W., 35 Ware-  
 ham (Planing Mill, etc.)  
 D  
 Sturtevant Co., B. F. (Gas;  
 Air; Planing Mill, etc.)  
 AAA

**MASS.—Hyde Park**  
 Boston Blower Co. (Air;  
 Gas; Planing Mill, etc.), A

**MICH.—Detroit**  
 Amer. Blower Co. (Gas;  
 Planing Mill, etc.) ...AA  
 Lloyd Construction Co.  
 (Steam Jet) .....C

**MICH.—Baginaw**  
 Allington & Curtis Mfg. Co.  
 (Planing Mill, etc.) ...A

**N. J.—Newark**  
 Isbell-Porter Co., 46 Bridge  
 (Gas; Steam Jet) .....D

**N. Y.—Brooklyn**  
 Continental Iron Wks., West  
 & Caylor (Steam Jet) ...A

**N. Y.—Buffalo**  
 Buffalo Forge Co. (Gas;  
 Planing Mill, etc.) ...AAA

**New York City**  
 Connelly Iron Sponge & Gov-  
 ernor Co. (Gas) .....B

**Cornell, J. B. & J. M.,**  
 26th & 11th Av. (Gas;  
 Planing Mill, etc.) ...AA

**N. Y.—Utica**  
 Giblin & Co. (Gas) .....B

**OHIO—Bucyrus**  
 New York Blower Co.  
 (Planing Mill, etc.) ...A

**OHIO—Cleveland**  
 Elwell Parker Electric Co.  
 (Air) .....C

**EXHAUSTERS (Con.)**  
**PA.—Lancaster**  
 Champion Blower & Forge  
 Co. (Planing Mill, etc.)...  
 AA

**PA.—Philadelphia**  
 Wilbraham-Green Blower  
 Co. (Gas) .....B

**WIS.—Milwaukee**  
 Bayley & Sons Co., Wm.  
 (Planing Mill, etc.) ...X  
 National Blower Wks. (Gas;  
 Planing Mill, etc.) .....A

## EXHIBITORS

**CONN.—Bridgeport**  
 Model Machine Co. (Rug)  
 D

**ICWA—Keokuk**  
 Strickler Store Furniture  
 Co. (Curtain) .....E

**New York City**  
 Kelly Bros. (Wall Paper)  
 D

**PA.—Philadelphia**  
 Petersen Carpet Co., 1019  
 Market (Carpet) .....B

## EXPANDERS

**DEL.—Wilmington**  
 Henderer's Sons, A. L.  
 (Tube) .....E

**ILL.—Aurora**  
 Aurora Automatic Mchry.  
 Co. (Tube) .....A

**MAINE—Portland**  
 Hayes, H., 41 Cross (Tube)  
 H

**MINN.—St. Paul**  
 Heiwig Mfg. Co. (Tube) ..D  
 Lee & Hoff Mfg. Co. (Tube)  
 D

**MO.—Moberly**  
 Faessler Mfg. Co., J.  
 (Roller Tube) .....B

**New York City**  
 Dudgeon, Richard, 82  
 Broome (Roller Tube) ...A

**McCoy Co., Jos. F., 157**  
 Chambers (Tube) .....B

**Prosser & Son, Thos., 15**  
 Gold (Tube) .....A

**Watson-Stillman Co., 210 E.**  
 43d (Tube) .....A

**N. Y.—Oswego**  
 Oswego Tool Co. (Tube) ..B

**PA.—Allegheny**  
 Ajax Mfg. Co., 315 Jack-  
 son (Tube) .....D

**PA.—Philadelphia**  
 Bullock, Chas. K., 1361  
 Ridge Av. (Boiler Tube)C

**PA.—Pittsburg**  
 Ajax Mfg. Co. (Tube) ...X

## EXPECTOR- ANTS

**New York City**  
 Riker & Son Co., Wm. B.  
 AA

**PA.—Philadelphia**  
 Jayne & Son, Dr. D. ....A

## EXPLODERS

**N. Y.—Kingston**  
 Nitro Powder Co. (Electric)  
 B

**PA.—Wrightsville**  
 Susachanna Casting Co.  
 (Cartridge; Cane Tip) .AA

## EXTENSIONS

**N. J.—Newark**  
 Sommer's Sen. John (Fau-  
 cet) .....A

**New York City**  
 Frees, C. A. (Shortened  
 Limb) .....X

## EXTINGUISH- ERS

**CONN.—Meriden**  
 Miller & Co., Edw. (Candle)  
 AAAA

**EXTINGUISHERS (Con)****CONN.—Waterbury**  
Randolph-Clowes Co. (Fire) AAA**ILL.—Chicago**

Harden Hand Grenade (Fire) .....D

Lindgren-Mahan Fire Apparatus Wks. (Fire) ...X

Liquid Carbolic Acid Mfg. Co. (Fire) .....AAAA

Wilson &amp; Co., F. C. (Fire) B

**ILL.—Quincy**

Stahl, Geo. H. (Fire) ...B

**MASS.—Boston**

Badger &amp; Sons Co., E. B. (Fire) .....B

Walworth Mfg. Co. (Fire) ...AAAA

**MO.—St. Louis**

Stempel Fire Extinguisher Mfg. Co. (Fire) .....D

**New York City**

Automatic Fire Alarm Co. (Fire; Automatic Fire) ...AA

Hayward &amp; Co., S. F. (Fire) .....D

Judd &amp; Co., H. L. (Candle) AA

Nathan Mfg. Co. (Fire) ...A

**N. Y.—Seneca Falls**

Rumsey &amp; Co. (Ltd.) (Fire) A

**PA.—York**

Spangler Mfg. Co. (Fire) .C

**B. I.—Providence**

General Fire Extinguisher Co. (Automatic Fire) ...AAAA

**WIS.—Racine**

Racine Fire Engine Co. (Fire) .....X

**EXTRACT-****RENNET**

See Rennet

**EXTRACT:****WITCH HAZEL**

See With Hazle

**EXTRACTORS**

See also Machinery

**CONN.—Meriden**

Manning, Bowman &amp; Co. (Cork) .....AA

**MASS.—Boston**

Amer. Tool &amp; Machine Co. (Hydro; Centrifugal) .AA

Empire Laundry Machine Co. (Centrifugal) .....C

Harvey, H. H. (Spike) ...D

**MASS.—Worcester**

Cleveland Machine Works (Hydro) .....A

**MICH.—Gladstone**

Marble Safety Axe Co. (Broken Shell) .....B

**MINN.—Minneapolis**

Minnesota Beekeepers' Supply Mfg. Co. (Honey; Wax) .....G

**N. J.—Newark**

Alha Tool Co. (Spike) ....A

**N. Y.—Brooklyn**

U. S. Bung Mfg. Co. (Bung) A

**N. Y.—Buffalo**

Buffalo Scale Co. (Mineral) AA

Squier Mfg. Co., Geo. L. (Centrifugal) .....AAA

**N. Y.—Little Falls**

Burrell &amp; Co., D. H. (Centrifugal) .....AAAA

**New York City**

Hepworth Co., S. S., 92 William (Centrifugal) .D

Krajerowski, Pesant &amp; Co., 32 B'way (Centrifugal) .AA

Reilly Repair &amp; Supply Co., James, 229 West (Grease) AA

Robertson &amp; Son, Jas. L., 204 Fulton (Centrifugal);

**EXTRACTORS (Con.)**

Grease) .....D

**N. Y.—Troy**

Adams Laundry Machinery Co. (Centrifugal) .....B

Solhurst &amp; Son, W. H. (Centrifugal; Hydro) .....B

Troy Laundry Machinery Co. (Centrifugal) .....AA

**N. Y.—Utica**

Jones, Frank L. (Butter) .C

**N. C.—Winston-Salem**

Salem Iron Works (Centrifugal) .....A

**OHIO—Alliance**

Morgan Engineering Co. (Ingot) .....AAAA

**OHIO—Cincinnati**

Amer. Laundry Machinery Co. (Centrifugal; Hydro) AA

Blymer Iron Wks. Co. (Centrifugal) .....B

Watkins Mfg. Co., F. M. (Centrifugal) .....B

Watkins Laundry Machinery Co. (Laundry Starch) ...A

**PA.—Columbia**

Wilson Laundry Machinery Co. (Centrifugal) .....A

**PA.—Erie**

Chapman Cream Separator Wks., C. L. (Centrifugal) D

**PA.—Philadelphia**

Enterprise Mfg. Co. of Pa. (Meat Juice) .....AAAA

Harrison Safety Boiler Wks. (Grease) .....A

Schaum &amp; Uhlinger (Hydro; Centrifugal) ...AAA

**PA.—Pittsburg**

Lewis Fdry. &amp; Machine Co. (Ingot) .....A

Mesta Machine Co. (Ingot) AAAA

**PA.—West Chester**

Sharpless, P. M. (Centrifugal) .....AAA

**VT.—Bellows Falls**

Vermont Farm Machine Co. (Butter) .....O

**WIS.—Fort Atkinson**

Cornish, Curtis &amp; Green Mfg. Co. (Butter) .....A

**EXTRACTS:****FLAVORING**

See following Heading for

Miscellaneous Extracts

**ARK.—Little Rock**

Fletcher Coffee &amp; Spice Co., The .....D

**CAL.—Los Angeles**

Newmark Bros. ....B

Southern California Supply Co. ....B

**CAL.—San Diego**

Calif. Cream of Lemon Co. D

Jewell Lemon Product Co. D

**CAL.—San Francisco**

Ceylon Tea Co. ....D

Cohen &amp; Son, Louis .....A

Folger &amp; Co., J. A. ....A

Herrmann &amp; Co. (Oil; Essential) .....D

Levy &amp; Co., Simon .....D

Man, Sadler &amp; Co. ....A

Merten &amp; Co. ....C

Phila. Mfg. Co. ....C

Price Flavoring Ext. Co. .AA

Rieger &amp; Co., P. ....C

Schilling &amp; Co., A. ....AAA

Scott &amp; Gilbert .....D

Sherwood &amp; Sherwood .AAA

Standard Soda Water Co. .C

Thompson's Union Soda Wks. ....D

Tyler &amp; Son, S. H. ....C

Quiros Soda Water Co. ...B

**COLO.—Denver**

Cannon, W. F. ....D

Hardesty Mfg. Co. ....D

Miller-Osborn Spice Co. (The) .....D

**COLO.—Littleton**

Sterne &amp; Martin .....D

**EXTRACTS: FLAV. Con.**  
**CONN.—Hartford**  
 Beach & Co. ....AAAA  
 Sisson & Co., T. ....A  
 Williams & Carleton Co..C  
**CONN.—New Haven**  
 Doyle Co., Jno. T. ....D  
**CONN.—Shompsonville**  
 Noble, Sr., G. L. ....D  
**DEL.—Wilmington**  
 Smith & Painter .....A  
**D. C.—Washington**  
 Duckett, W. G. & E. A.  
 (Flavoring; Fruit Syrup) C  
**FLA.—Punto Gorda**  
 Fla. Fruit Flav. Ext. Co. C  
**GA.—Atlanta**  
 Shewmake & Murphy ....C  
**GA.—Savannah**  
 Solomon & Son, H. ....AA  
**ILL.—Chicago**  
 Atwood & Steele (Flavoring) C  
 Barothy Brothers' Supply  
 Co., Victor .....B  
 Barrett & Co., M. L. (Flavoring; Oil; Essention) A  
 Bear Bros. ....C  
 Bode, J. A. ....D  
 Burnett Co., J. ....B  
 Bush & Co., W. J. (Essential Oil) .....AA  
 Chapman & Davison Co..C  
 Chapman & Smith Co. ....A  
 Dodge & Olcott (& Essential Oils) .....AAA  
 Gillett, E. W. ....AAAA  
 Grant Chem. Co., J. C..B  
 Hudson Mfg. Co. (Essential Oil) .....D  
 Liquid Carbonic Co. ....AA  
 McMahon & Durlacher Co..D  
 Magnus, Henry .....C  
 Price Baking Powder Co.. AA  
 Price Flavoring Extract Co. AA  
 Publ-Webb Co. ....C  
 Reid, Murdoch & Co..AAAA  
 Rosenheld & Co., J. ....C  
 Seidel & Sons, A. ....C  
 Sherer Bros. Co. ....B  
 Zinkelsen & Co. ....C  
**ILL.—Decatur**  
 Decatur Extract Co. ....D  
 Irwin, Kirtland & Co..B  
**ILL.—Jacksonville**  
 Jenkinson & Co., W. A..B  
**IND.—Goshen**  
 Wilden, Wm. J. (Oil; Essential Peppermint) ....C  
**IND.—Logansport**  
 Lynas & Sons, J. B. ....C  
**IND.—Mishawaka**  
 Woodward Bros. (Oil; Essential; Mint) .....D  
**IOWA—Des Moines**  
 Mennig & Slater .....A  
 Purity Candy Co. ....C  
**IOWA—Dubuque**  
 McFadden Coffee & Spice Co. ....B  
**IOWA—Keokuk**  
 Baker & Co., S. F. ....A  
**IOWA—Waterloo**  
 Black Hawk Coffee & Spice Co. ....D  
**KY.—Louisville**  
 Adams & Sons, C. W. ....B  
 Robertson & Carrier Co..D  
 White & Co., W. G. ....D  
**LA.—New Orleans**  
 Adams, Chas. H. ....C  
 Gulf Mfg. Co. ....B  
 King & Saint .....D  
 Reilly, Taylor & Co. (Ltd.) C  
**MAINE—Portland**  
 Hays Sons, H. H. ....D  
 Perkins & Co., J. W. ....A  
 Schlotterbeck & Foss ....A  
 Twitchell-Champlin Co..AA  
**MD.—Baltimore**  
 Brady-Robinson Co. ....D  
 Davis & Miller Extract Co. D  
 Fruit Puddine Co. ....A  
 McCormick & Co. ....C  
**MASS.—Boston**  
 Adams & Co., F. P. ....B

**EXTRACTS: FLAV. Con.**  
 Arnold, Hoffman & Co..A  
 Beach & Clarridge Co. (Flavoring; Root Beer; Oil; Essential) .....B  
 Blue Seal Supply Co. ....D  
 Bowker Co., H. L. ....C  
 Burnett & Co., Jno. ....D  
 Burnett & Co., Jos. ....A  
 Eagle Extract & Pickle Co. D  
 Goodwin & Co., H. W. (Flavoring; Oil; Essential).B  
 Hartshorn & Sons, E. ....D  
 Martin, Jr., J. B. ....D  
 Metcalf Co., Theo. (Oil; Essential) .....A  
 Miller & Co., F. L. ....D  
 Murray Co. ....C  
 Paul Mfg. Co. ....D  
 Preston & Merrill .....C  
 Sage Bros. ....D  
 Stickney & Poor Spice Co. AA  
 Tuttle Extract Co. ....C  
 Van Laer & Co., J. P. W..C  
**MASS.—South Easton**  
 Simpson Spring Co. ....B  
**MASS.—Springfield**  
 Baker Extract Co. ....B  
**MASS.—Westfield**  
 Colton & Co., J. W. ....C  
**MICH.—Detroit**  
 Elysian Mfg. Co. (Flavoring; Oil Essential) ....A  
 Horton Cato Mfg. Co. (Flavoring) .....D  
 Ingram & Co., F. F. (Flavoring) .....B  
 Johnson, T. H. ....D  
 Lambert & Lowman (Flavoring) .....C  
 Phelps, Brace & Co..AA  
 Regal Mfg. Co. (D. J. Smith) .....D  
 Seely Mfg. Co. ....A  
 Stearns & Co., Fredk. (Flavoring) .....AAA  
 Williams, Davis, Brooks & Hinchman Sons (Oil Essential) .....AA  
**MICH.—Grand Rapids**  
 Jennings Flavoring Extract Co. ....C  
 Lynch, D. ....B  
 Royal Blend Beverage Co. (Ltd.) .....AA  
**MICH.—Lansing**  
 Northrop, Robertson & Carrier Co. ....B  
**MICH.—Muskegon**  
 Puro Mfg. Co. ....C  
**MINN.—Duluth**  
 Duluth Wholesale Supply Co. (Brandy Flavor) ...B  
**MINN.—Minneapolis**  
 Hunt Perfect Baking Powder Co. ....C  
 Leber, Henry .....D  
 McIntosh & Co., J. ....D  
 Straitt Co., H. B. ....B  
**MINN.—St. Paul**  
 Drewry & Son .....C  
 McCormack, Behnke & Co. A  
 Straitt & Co., H. B. ....B  
**MO.—Kansas City**  
 Gordon Coffee & Spice Co. D  
 Murdoch Mfg. Co., C. A..A  
**MO.—St. Joseph**  
 Armstrong, Jno. M. ....D  
**MO.—St. Louis**  
 Applegreen, F. ....D  
 Bayle, Geo. A. ....B  
 Blanke Tea & Coffee Co. C. F. ....AA  
 Donnell Mfg. Co. ....B  
 Evans & Co., D. G..AA  
 Gregg Tea & Coffee Co. C. D. ....C  
 Mayfield Med. Mfg. Co..D  
 Roth-Homeyer Coffee Co..B  
 Tilden Co., The .....A  
 West India Mfg. Co. ....C  
**N. J.—Jersey City**  
 Ullman, S. E. ....A  
**N. J.—Newark**  
 Hallock, Denton & Co. (& Root Beer) .....B  
 Johnson & Co., T. F. ....A  
 Maas & Waldstein ....A

**EXTRACTS: FLAV. Con.**

Smith & Co., C. B. ....B  
 N. J.—West Hoboken  
 Palisade Mfg. Co. (Vegetable; Fruit Syrup) .....P  
 N. Y.—Albany  
 McEwan, Walter .....A  
 N. Y.—Binghamton  
 Harris, F. E. ....D  
 N. Y.—Brooklyn  
 Livingston, Jr., Wm. J. (Flavoring; Essential Oil) .....C  
 Moller & Bro., G. H. ....D  
 N. Y.—Buffalo  
 Abwender, L. E. ....C  
 Favorite Mfg. Co. ....D  
 Granger & Co., W. H. ....AAA  
 House & Son, Jacob ....D  
 Liebetrieb, E. J. ....D  
 Pickering Mfg. Co. ....D  
 White Cap Mfg. Co. ....D  
 N. Y.—Catakill  
 Vincent Mfg. Co. ....D  
 N. Y.—Elmira  
 Thomas Co., N. S. ....A  
 N. Y.—Jamestown  
 Jones & Co., J. F. ....D  
 Keeler, C. S. & W. A. ....C  
 N. Y.—Le Roy  
 Bennett Chemical Co. ....A  
 N. Y.—Middletown  
 McMonagle & Rogers (Flavoring; Fruit Syrup) ...A  
 N. Y.—Montour Falls  
 Tilden Co. ....A  
 New York City  
 Amer. Extract & Supply Co. ....C  
 Andrews, Guilek & Sillocks .....D  
 Archibald & Lewis .....C  
 Baron & Co., M. ....D  
 Bastine & Co. ....A  
 Budde & Westermann .....B  
 Burton & Co., C. L. (Flavoring; Essential Oil) ...D  
 Bush & Co., W. J. (Flavoring; Essential Oil) ...AA  
 Cohen & Co., Wm. H. ....X  
 Colgate & Co. (& Cooking) .....AAAA  
 Colton & Co., Jno. W. ....C  
 Cook, G. W. ....D  
 Crown Cordial & Extract Co. ....B  
 Delisser & Co. (Flavoring; Gluger) .....B  
 Durkee & Co., E. R. ....AA  
 Fries & Bro. ....AAA  
 Gillies & Co., E. J. ....AA  
 Goodheart & Co., R. M. ....C  
 Hickok, Jno. N. ....C  
 Johnston & Co., E. L. ....B  
 Klenzler, H. ....C  
 Knapp Extract Co. (Flavoring) .....B  
 McKenzie Bros. (Flavoring; Essential Oil) .....B  
 McKesson & Robbins (Flavoring) .....AAAA  
 Mergentime & Lamm ....D  
 Miller Mfg. Co. (The) ....C  
 Moes, G. A. ....B  
 Palmer, Solon ....D  
 Paturel & Co., F. ....C  
 Peloubet Mfg. Co., A. H. ....D  
 Price Flavoring Extract Co. ....AA  
 Royal Baking Powder Co. ....AAAA  
 Rudkin Co., W. H. (Flavoring; Essential Oil) .....A  
 Rudkin's Sons, Wm. (Flavoring; Essential Oil) .....D  
 Selwyn Importing & Trading Co. (Flavoring; Essential Oil) .....C  
 Union Extract Wks. ....D  
 United Confectioners' Assn. ....B  
 Van Duzer Extract Co. ....B  
 Werthelm, S. ....D  
 Wood & Sellick (& Cooking Flavoring) .....A  
 N. Y.—Pann Yan  
 Snow Grape Juice Co. ....D  
 N. Y.—Rochester  
 French & Co., R. T. ....A  
 Smith, Hungerford Co., J., A  
 Van De Carr Spice Co. ....D  
 Wright, A. (& Essential

**EXTRACTS: FLAV. Con.**

Oil) .....AA  
 N. Y.—Syracuse  
 Gowing, D. H. ....C  
 N. Y.—Ushers  
 Anthony, Joshua .....A  
 N. Y.—Utica  
 Hitzelberger, Paul .....D  
**OHIO—Akron**  
 Smith Bros. ....B  
**OHIO—Cincinnati**  
 Berghausen Chem. Co. (The) (& Essential Oil) .....D  
 Echert Co., P. (The) ...A  
 Frank Tea & Spice Co. ....C  
 Fries & Bro., A. (Essential Oil) .....AAA  
 Garlick Co., H. ....C  
 Hilker & Bletsch .....B  
 Kungery Mfg. Co. ....D  
 Webster & Co., E. R. ....C  
**OHIO—Cleveland**  
 Bruce & West Mfg. Co. (Fruit Syrup) .....D  
 Palmer, Arthur L. ....D  
 Palmer Mfg. Co. ....C  
 Royce Co., Abner .....D  
 Sacks, Kirkpatrick Co. (Root Beer) .....D  
 Schoendorfer & Eberhard Co. ....C  
 Zipp Mfg. Co. (Root Beer) .....C  
**OHIO—Columbus**  
 Citizen's Whol. Supply Co. (The) .....D  
 Kentucky Extract Co. ....C  
**OHIO—Dayton**  
 Burkhardt & Lotterman .....D  
 Royal Kenedy & Extract Co. ....B  
 Sachs-Pruden Ginger Ale Co. (Bottlers; Confectioners) .....D  
 Sigretz, G. A. ....D  
 Ware Coffee Co., C. F. ...A  
**OHIO—Findlay**  
 Hopper & Co., C. H. ....B  
**OHIO—Marietta**  
 India Spice & Drug Co. ...D  
**OHIO—Newark**  
 Styron, Beggs & Co. ....A  
**OHIO—Toledo**  
 Lorenz Co., Geo. ....D  
**OHIO—Youngstown**  
 Averbeck Drug Co. ....C  
**OREGON—Portland**  
 Closset & Devers .....A  
 Northrop & Sturgis Co. ...D  
**PA.—Philadelphia**  
 Clawson Co. (The) .....C  
 Cartwright & Co., W. A. ....B  
 Favorite Mfg. Co. (Flavoring) .....C  
 Flier & Co., F. ....AA  
 Ingersoll & Co. (Essential Oil) .....D  
 Jewel Mfg. Co. (Essential Oil) .....A  
 Knight Cooking Extract Co. ....D  
 Pella, Ext. Mfg. Co. (Essential Oil) .....C  
 Phila. Pickling Co. ....C  
 Ritter Conserve Co., Philip J. ....A  
 Stevenson, Jr., R. ....C  
 Sulzberger, D. ....D  
 Thayer & Co., P. W. ....B  
 Twitchell, S. ....A  
 Whittle & Mutch .....D  
 R. I.—Providence  
 Fraser Bros. Co. ....B  
 Nichols & Co., C. E. ....D  
**TENN.—Bristol**  
 Andrews Mfg. Co. ....C  
**TENN.—Knoxville**  
 Knoxville Drug Co. ....B  
**TENN.—Nashville**  
 Webb Mfg. Co. ....C  
**T. XAS—Dallas**  
 Hughes Bros. Mfg. Co. ...A  
**TEXAS—Galveston**  
 Galveston Coffee & Spice Co. ....AAA  
 Southern Coffee Co. ....C  
**TEXAS—Waco**  
 Artesian Mfg. & Bottling Co. ....D  
**VA.—Norfolk**  
 Haynor Mfg. Co. ....D



**EXTRACTS: FLAV. Con.**  
**VA.—Portsmouth**  
 Virginia Chem. & Mfg. Co. B  
**VA.—Richmond**  
 Sauer Co., C. F. ....C  
**VA.—Rocky Mount**  
 Angle & Co. (Essential Oil) D  
**WASH.—Seattle**  
 Crescent Mfg. Co. ....C  
 Oriental Spice Co. ....B  
**WASH.—Spokane**  
 Spokane Ext. & Spice Co..D  
**W. VA.—Wheeling**  
 Exley, Watkins & Co. ...B  
**WIS.—Milwaukee**  
 Hilbert & Co., A. J. ....D  
 Ladwig & Schranck Co...B  
 Meissner, Bergwell Co....D  
 Nat'l Extract Works ....C  
 Schleuter & Co., A. ....C  
**WIS.—Oshkosh**  
 Roewekamp Bros. ....D

## EXTRACTS: MISSCEL- LANEOUS

See also Dyes; Colors, etc.

**CAL.—San Francisco**  
 California Tanning Sxtract Co. (Tanning) ....D  
**CONN.—Essex**  
 Dickinson & Co., E. E. (Fluid) .....A  
**CONN.—Hazardville**  
 Gordon Bros. (Shoddy) ...A  
**CONN.—So. Coventry**  
 Tracey, E. A. (Wool) ...A  
**FLA.—Jacksonville**  
 Southern Mfg. Co. (Tanning) .....D  
**ILL.—Chicago**  
 Armour & Co. (Beef).AAAA  
 Baker & Co. (Fluid; Solid Bark) .....C  
 Morris, & Co., Nelson (Beef) AAAA  
 Nutriment Co. (Beef) ....B  
 Swift & Co. (Beef) ..AAAA  
 Thompson Phosphate Co. (Root Beer) .....B  
 Westermann Co., F. (Malt) D  
**IND.—Hammond**  
 Hammond Co., G. H. (Beef) AAAA  
**IND.—Indianapolis**  
 Lilly & Co., Eli (Fluid; Powder; Solid) .....AA  
**MAINE—Portland**  
 Baker Extract Co. (Fluid) B  
**MD.—Baltimore**  
 Sharp & Dohme (Fluid; Solid) .....AAA  
 Young Co., J. S. (Ltd.) Tanners' Bark) .....B  
**MASS.—Boston**  
 Burkhardt Brewing Co. (Malt) .....AA  
 Gahn, J. (Malt) .....A  
 Menzel Malt Co. (Malt)..D  
 Spencer, C. A. (Oak Bark; Quebracks; Tanilla) ....D  
**MASS.—Cambridgeport**  
 Thayer Co., Hy. A. (Fluid; Solid) .....A  
**MASS.—Franklin**  
 Norfolk Woolen Co. (Wool) A  
**MASS.—Hyde Park**  
 Gray & Co., T. H. (Wool) C  
**MASS.—Northbridge**  
 Riverside Woolen Co. (Wool) .....A  
**MASS.—Methuen**  
 Klaus, Hy. (Wool) .....C  
**MASS.—Salem**  
 Boyox Co. (Beef) .....D  
**MICH.—Alpena**  
 Northern Extract Co. (Hemlock) .....B  
**MICH.—Detroit**  
 Horton-Otto Mfg. Co. (Root Beer) .....D  
 Ingram & Co., F. F. (Beef;

**EXTRACTS: MISC. Con.**  
 Root Beer) .....B  
 Lambert & Lowman (Root Beer) .....C  
 Parke, Davis & Co. (Fluid; Malt; Solid) .....AAAA  
 Stearns & Co., Fredk. (Fluid; Solid) .....AAA  
**MICH.—Kalamazoo**  
 Upjohn Co. (Fluid; Solid) AA  
**MINN.—Minneapolis**  
 Bertrand Mfg. Co. (Root Beer) .....D  
**MO.—St. Louis**  
 Anheuser-Busch Brewing Co. (Malt) .....AAAA  
 Tilden Co., The (Beef) ...A  
**NEBR.—So. Omaha**  
 Cudahy Packing Co. (Beef) AAAA  
**N. J.—Newark**  
 Hoff, Jno. (Malt) .....B  
**N. Y.—Brooklyn**  
 Huber Brewing Co., Otto (Malt) .....AA  
 Leibmann's Sons Brew. Co., S. (Malt) .....AAA  
 Wiarda & Co., Jno. C. (Fluid) .....AA  
**N. Y.—Lebanon**  
 Tilden Co. (Beef) .....A  
**N. Y.—Little Falls**  
 Hansen's Laboratory, Chr. Bennett) .....B  
 Little Falls Wool Extract Co. (Wool) .....A  
**N. Y.—Lowville**  
 Crawford & Co., Lewis (Bark) .....X  
 New York City  
 Burnham & Co., E. C. (Beef) .....B  
 Burton & Co., W. (Root Beer) .....B  
 Caswell Massey & Co. (Fluid) .....AA  
 Chaskell Chem. Wks. (Bottlers'; Tobacco) ...X  
 Cornelle & Co., David (Beef) .....B  
 Doherr, Grimm & Co. (Quebracho) .....X  
 Eisner & Mendelson (Malt) AA  
 Harvey Deywood & Extract Co. (Deywood) .....A  
 Jones Chemical Co. (Tanning) .....B  
 Klipstein & Co., A. (Indigo; Ink; Quebracho) .....AA  
 Knapp Extract Co. (Root Beer) .....B  
 Lanmann & Kemp (Fluid) AAA  
 McKesson & Robbins (Solid; Fluid) .....AAAA  
 Matheson & Co., Wm. J. (Indigo; Logwood; Tanning) .....A  
 Mosquera-Julia Food Co. (Beef) .....A  
**N. Y. & Boston Dyewood Co.** (Fustic; Logwood; Quebracho; Tanning) ..AAAA  
 Royal Spec. Co. (Beef)...C  
 Schieffelin & Co. (Fluid; Solid) .....AA  
 Smith & Co., Jas. E. (Beef) .....A  
**N. Y.—Rochester**  
 Rochester Brewing Co. (Malt) .....AA  
**OHIO—Cleveland**  
 Acme Woolen Mills Co. (Wool) .....C  
**OHIO—Fremont**  
 Trommer Extract of Malt Co. (Malt) .....B  
**OHIO—Hamilton**  
 Am. Maltine Co. (Malt)...AAAA  
**PA.—Hanover**  
 Young & Co., J. S. (Tanning; Dyewood) .....A  
**PA.—Malvern**  
 Hires Co., Chas. E. (Root Beer) .....AA  
**PA.—Philadelphia**  
 Adams & Co., Jos. M. (Wool) .....A

**EX. JTS: MISC. Con.**  
 Favorite Mfg. Co. (Root Beer) .....C  
 Hance Bros. & White (Fluid; Solid) .....AA  
 Hires Co., Chas. E. (Root Beer) .....AA  
 Mulford Co., H. K. (Fluid) .....AAA  
 Shoemaker & Co., Robt. (Fluid) .....AA  
 Wyeth & Bro., Jno. (Fluid) .....AAAA  
**PA.—Allegheny**  
 Am. Extract Co. (Bark)....A  
**PA.—Smithport**  
 Smithport Extract Co. (Hemlock Bark) .....A  
**TENN.—Bristol**  
 Andrews Mfg. Co. (Drug-gists') .....B  
**VT.—Springfield**  
 Slack & Bro., W. H. H. (Wood) .....A  
**VA.—Buena Vista**  
 Buena Vista Extract Co. (Tanning Bark) .....A  
**VA.—Lynchburg**  
 Heald & Co., Jno. H. (Tanning Bark) .....AA  
**VA.—Richmond**  
 Valentine Meat Juice Co. (Beef) .....A  
**W. VA.—Charleston**  
 Tanners' & Dyers' Extract Co. (Tanning Chest; Oak Bark) .....B  
**WIS.—Milwaukee**  
 Blatz Brewing Co., Val. (Malt) .....AAAA  
 Pabst Brewing Co. (Malt)..AAAA

## EYEGLASSES

See Optical Goods

## EYELETS

See also Hardware; Carriage

**CONN.—Seymour**  
 Rimmon Mfg. Co. (Brass).B  
**CONN.—Waterbury**  
 American Ring Co. (Brass) A  
 Platt Bros. & Co. (Brass) B  
 Waterbury Brass Co. (Brass) .....AAAA  
 Waterbury Button Co. (Button) .....A  
**IND.—Goshen**  
 Goshen Eyelet Co. (Curtain) F  
**MASS.—Boston**  
 Eyelet Tool Co., 40 Lincoln (Brass) .....X  
**MASS.—Fairhaven**  
 Atlas Tack Co. (Shoe) .....AAAA  
**MASS.—New Bedford**  
 Rhodes & Co., J. C. (Shoe) .....AA  
**N. J.—Newark**  
 Agatine Shoe Hook & Eyelet Co. (Shoe) .....D  
**N. Y.—Binghamton**  
 Crandall Stone Co. (& Knobs) .....A  
 New York City Metal Stamping Co., 468 W. B'way (Brass) .....A  
 Stimpson & Sons, Edwin B. (all Kinds) .....B  
**OHIO—Cincinnati**  
 Monarch Carriage Goods Co. (& Knobs) .....B  
**PA.—Philadelphia**  
 Horne & Bro., Wm. H. (Sets) .....B  
 Smith Machinery Co., Geo. A., 415 Arch (Brass) ..X

## EYES

**CONN.—Chester**  
 Brooks & Sons, M. S. (Screw; Brass; Iron Wire stair Rod; Harness) ..B  
**CONN.—Middletown**  
 Rogers & Hubbard Co.

**EYES (Con.)**  
 (Button) .....A  
**CONN.—New Britain**  
 Corbin, P. & F. (Stair Rod) .....AAAA  
 Humason & Beckley Mfg. Co. (Screw) .....A  
 Landers, Frary & Clark (Screw) .....AAA  
 North & Judd Mfg. Co. (Screw; Loop &c.) .....AA  
**CONN.—New Haven**  
 Cowles & Co. (Screw) ....A  
 Sargent & Co. (Screw; Transom) .....AAAA  
**CONN.—Norwich**  
 Ossawan Mills Co. (Screw) B  
**CONN.—Waterbury**  
 American Pin Co. (Button) AA  
 Lane Mfg. Co. (Button) X  
 Steele & Johnson Mfg. Co. (Button) .....A  
 White Co., L. C. (Button) O  
**ILL.—Chicago**  
 Barbee Wire & Iron Wks. (Shutter) .....B  
 Fowler, E. S. & W. S. (Artificial) .....D  
 Hausmann & Dunn (Artificial) .....O  
**MASS.—Boston**  
 Boston Belting Co. (Bleachery) .....AAAA  
 Boston & Lockport Block Co. (Dead Bulls') .....A  
**MASS.—Hyde Park**  
 Webster Co., F. B. (Artificial Glass) .....D  
**MASS.—Worcester**  
 Parker Wire Goods Co. (Hot House or Garden) D  
 Wire Goods Co. (Screw; Stair Rod) .....A  
**MICH.—Northville**  
 Dubawi Mfg. Co. (Dead) X  
**MINN.—Minneapolis**  
 Hoffman, C. A., 624 Nicollet Av. (Artificial) ...D  
**MO.—Kansas City**  
 Kansas City Bolt & Nut Co. (Screw) .....A  
**MO.—St. Louis**  
 Moran Bolt & Nut Mfg. Co. (Screw) .....A  
**N. Y.—Buffalo**  
 Western Wire Goods Co. (Hot House or Garden) D  
 New York City Judd & Co., H. L. (Screw) .....AA  
 Hoehn Co., R., 82 Chambers (Artificial) .....B  
 Mager & Gouglemann (Taxidermists'; Artificial), D  
 Peck Stow & Wilcox Co. (Cock) .....AAAA  
**OHIO—Cleveland**  
 Cleveland Hdw. Co. (Neck Yoke) .....AA  
**OHIO—Findlay**  
 Findlay Axe & Tool Co. (Pick) .....A  
**PA.—Howard**  
 Howard Iron & Tool Co. (Coal Pick) .....B  
**PA.—Lebanon**  
 Amer. Iron & Steel Mfg. Co. (Screw) .....AAAA  
**PA.—Philadelphia**  
 Hoopes & Townsend Co. 1330 Buttonwood (Screw) AAA  
**TEXAS—Terrill**  
 Terrill Foundry & Machine Co. (Hinge) .....F

## FABRIC

**MASS.—Chicopee Falls**  
 Knit Goods Specialty Co. (Incandescent Mantle) G

## FACERS

**MD.—Baltimore**  
 Detrick & Harvey Mach. Co. (Flags) .....AA  
**MICH.—Port Huron**  
 Draper Mfg. Co. (Pump Valve) .....D

## FACES

**PA.—Philadelphia**  
Philadelphia Electric & Mfg.  
Co. (Electric Ceiling) ..E

## FACINGS

**MASS.—Springfield**  
Springfield Facing Co.  
(Foundry) .....C  
**N. J.—New Jersey**  
Dixon Crucible Co., Jos.  
(Foundry) .....AAA  
**N. J.—Pompton Lakes**  
German Artistic Weaving  
Co. (Silk Shoe) .....B  
**N. Y.—Geneva**  
Geneva Woven Label Wks.  
(Silk Shoe) .....C  
**New York City**  
Pettit Chemical Co.  
(Foundry) .....B  
**OHIO—Cincinnati**  
Obermayer Co., S. (Foundry)  
AA  
**OHIO—Cleveland**  
Smith Fdy. & Supply Co.,  
J. D. (Foundry) .....D  
**PA.—Philadelphia**  
Paxson Co., J. W. (Foundry)  
AA  
**PA.—Pittsburg**  
McCormick Co., J. S.  
(Foundry) .....B

## FAIENCE

See Pottery

## FAILLES

See Silk Goods

## FANS:

### MACHINERY

**CAL.—San Francisco**  
Brooks-Follis Electric Corp.  
523 Mission (Electric) ..C  
**CONN.—Bridgeport**  
Bridgeport Brass Co.  
(Revolving Fly) ....AAA  
**CONN.—Clintonville**  
Vibbert & Co., Geo. S. (Ad-  
vertising) .....F  
**CONN.—Windsor Locks**  
Clark Co., Geo. P. (Drying;  
Exhaust; Ventilator) ..C  
**DEL.—Wilmington**  
Baker & Co., G. W. (Ventil-  
ating) .....A  
**ILL.—Belleville**  
Belleville Pump & Skeln  
Wks. (Ventilation; Mine)  
AA  
Herzler & Henninger Ma-  
chine Wks. (Ventilating;  
Mine) .....D  
**ILL.—Chicago**  
Allis-Chalmers Co. (Ventila-  
ting; Mine) .....AAAA  
Andrews & Johnson Co., 256  
Washn. Boul. (Power;  
Ventilating; Engine Con-  
nected) .....B  
Central Electric Co., 268 5th  
Av. (Ceiling; Electric;  
Portable) .....A  
Chicago Water Motor & Fan  
Co., 22 S. Canal (Ceiling;  
Water Motor) .....D  
Electric Appliance Co., 92  
W. Van Buren (Ceiling) B  
Garden City Fan Co. (Ven-  
tilating; Elevator; Ex-  
haust) .....B  
Sullivan Machinery Co., 135  
Adams (Ventilating;  
Mine) .....AAAA  
Watson Electric Co., 239 S.  
Clinton (Ceiling; Electric)  
AAAA  
**ILL.—Danville**  
Danville Fdy. & Machine  
Co. (Ventilating; Mine) C  
**ILL.—Litchfield**  
Litchfield Fdy. & Machine  
Co. (Ventilating; Mine) A  
**ILL.—Moline**  
Barnard & Leas Mfg. Co.

### FANS (Con.)

(Suction) .....AA  
**IND.—Brazil**  
Crawford & McCrimmon Co.  
(Ventilating; Mine; En-  
gine Connected) .....A  
**IND.—Fort Wayne**  
Ft. Wayne Electric Wks.  
(Electric) .....AAAA  
**IND.—Indianapolis**  
Commercial Electric Co.  
(Electric Ventilating) A  
Nordyke & Marmon Co. (Ex-  
haust; Suction) ....AAA  
Specialty Mfg. Co. (Ceiling;  
Column Belt Power; Wa-  
ter Motor) .....D  
**IOWA—Des Moines**  
Eagle Iron Wks. (Ventila-  
ting; Mine) .....A  
**IOWA—Ottumwa**  
Ottumwa Iron Works (Ven-  
tilating; Mine) .....B  
**MASS.—Amherst**  
Hills & Co. (Palm Leaf) ..B  
**MASS.—Boston**  
Barney Ventilating Fan Co.  
165 Ft. Hill Sq. (Power;  
Ventilating) .....C  
Boston Electric Co., 29 Har-  
rison Av. (Electric) ....B  
Sturtevant Co., B. F. (Disk;  
Direct Connected Engine;  
Electric; Power; Propell-  
er; Ventilating; Engine  
Connected; Exhaust) AAA  
**MASS.—Brookline**  
Holtzer-Cabot Elect. Co.  
Ceiling; Electric; Direct  
Current, &c.) .....A  
**MASS.—Holyoke**  
Perkins & Son, B. F., 10  
Crescent (Ventilating) A  
**MASS.—Hyde Park**  
Boston Blower Co. (Direct  
Connected Engine; Elec-  
tric Power; Ventilating;  
Exhaust; Shaving; Dust) B  
**MASS.—Springfield**  
Elektron Mfg. Co., 60 Wil-  
braham Rd. (Electric Ex-  
haust) .....A  
**MASS.—Westford**  
Sargent's Sons, Chas. G.  
(Exhaust) .....A  
**MICH.—Bay City**  
Marlue Iron Wks. (Ven-  
tilating; Mine) .....C  
**MICH.—Detroit**  
Amer. Blower Co. (Disk;  
Electric Power; Ventila-  
ting; Engine Connected;  
Disc; Exhaust; Malting;  
Seed Cotton Elevator;  
Shavings; Dust) .....AA  
Fuller Co., 1563 Russell (Ex-  
haust; Elastic; Ventila-  
ting) .....C  
**MICH.—Saginaw**  
Allington & Curtis Mfg. Co.  
(Power; Ventilating) ..A  
**MO.—Kansas City**  
Bledsoe Fan & Supply Co.  
(Exhaust) .....F  
**MO.—St. Louis**  
Commercial Electrical Sup-  
ply Co., 1007 Market (Ceil-  
ing) .....B  
Emerson Elastic Mfg. Co.,  
718 St. Charles (Ceiling;  
Alternating Current; Elec-  
tric Portable) .....A  
St. Louis Blower & Heater  
Co., 1628 N. 9th (Ventila-  
ting) .....B  
Wagner Elect. Mfg. Co.  
(Ventilating; Belted;  
Electrically Driven) ..AA  
**N. J.—Belleville**  
Eck Dynamo & Motor Wks.  
(Bracket) .....C  
**N. J.—Elizabethport**  
Diehl Mfg. Co. (Ceiling;  
Electric; Disk; Ventila-  
tor) .....B  
**N. J.—Newark**  
Backus Water Motor Co.,  
182 Pa. Av. (Ceiling; Ven-  
tilating; Exhaust, &c.) B  
Seymour, Jr., J. M., 43 Law-  
rence (Ceiling; Power;  
Belted; Ventilating) ..B  
Seymour & Whitlock  
(Exhaust) .....B

**FANS (Con.)**

**N. Y.—Buffalo**  
 Buffalo Forge Co. (Power;  
 Disk; Electric; Elevator;  
 Exhaust; Mechanical  
 Draft; Suction; Ventila-  
 tor, &c.) .....AAA

**N. Y.—Fulton**

Hunter Fan & Motor Co.  
 (Ceiling; Electric Ventila-  
 ting; Column; Exhaust) B

**New York City**

Baker Smith & Co., 83 W.  
 Houston (Ventilating) AA

C. & C. Electric Co., 143 Lib-  
 erty (Electric Portable;  
 Exhaust; Ventilating; Re-  
 volving Fly) .....AA

Cornell, J. B. & J. M., 26th  
 & 11th Av. (Ventilating)  
 AA

Crocker-Wheeler Co., 89  
 Cortlandt (Electric Portab-  
 le, &c.) .....AAA

Edison Mfg. Co., 83 Cham-  
 bers (Electric) .....A

Howard & Morse, 45 Fulton  
 (Power; Ventilating; En-  
 gine Connected) .....D

Power Specialty Co., 126  
 Liberty (Ventilating) ..E

Simonds Furnace Co., 2768  
 Bway. (Ceiling; Disk; Ex-  
 haust; Seed Cotton Eleva-  
 tor) .....C

Sprague Electric Co., 527 W.  
 34th (Electric; Ventilator)  
 AAAAA

**N. Y.—Schnectady**

General Electric Co. (Cell-  
 ing; Electric; Ventilating;  
 Mine) .....AAAA

**N. Y.—Syracuse**

Engleberg Huller Co., The  
 (Coffee; Rice) .....D

**N. Y.—Troy**

Grant & Ferris Co. (Coffee;  
 Rice) .....X

Tollhurst & Son, W. H.  
 (Exhaust) .....B

**OHIO—Cincinnati**

Macleod & Co., Walter, 463  
 E. Front (Ventilating) B  
 Standard Electric Co., 113  
 W. 3d (Portable Electric)  
 B

**OHIO—Cleveland**

Ohio Electric Works  
 (Electric) .....D

**OHIO—Dayton**

Bates & Bro., D. L., St.  
 Clair & Kenton (Electric  
 Ceiling; Portable Elec-  
 tric; Water Motor) ....D

Dayton Fan & Motor Co.  
 (Ceiling; Electric Portab-  
 le) .....C

**OHIO—Nelsonville**

Nelsonville Fdy. & Machine  
 Co. (Ventilating; Mine) B

**OHIO—Ravenna**

Colonial Electric Co. (Elec-  
 tric Ceiling) .....B

**OHIO—Springfield**

Foss Mfg. Co. (Exhaust) A  
 Robbins & Myers Co. (Elec-  
 tric Desk; Bracket; Direct  
 Current) .....A

**PA.—Connellsville**

Connellsville Machine & Car  
 Co. (Ventilating; Mine) A  
 Connellsville Mfg. & Mine  
 Supply Co. (Ventilating;  
 Mine) .....B

**PA.—Erie**

Link Machinery C., E. M.  
 (Power; Ventilating;  
 Mine) .....C

**PA.—Jeannette**

Clifford Campbell Fan Co.  
 (Ventilating; Mine) ....B

**PA.—Lancaster**

Champion Blower & Forge  
 Co. (Ventilating; Ex-  
 haust) .....AA

Fidelity Electric Co. (Brac-  
 ket; Desk) .....D

**PA.—Marietta**

Penna. Electric Co. (Cell-  
 ing) .....C

**PA.—Mauch Chunk**

Stroh, W. M. (Est.) (Venti-  
 lating; Mine) .....C

**PA.—Monongahela**

Monongahela Mfg. Co. (Ven-

**FANS (Con.)**

tilating; Mine) .....B

Robinson Machine Co.  
 (Ventilating; Mine) ....B

**PA.—Osceola Mills**

Stine & Son, S. B. (Venti-  
 lating; Mine) .....B

**PA.—Philadelphia**

Dallett & Co., Thos. H.  
 (Electric) .....B

Delaware Rubber Co., 631  
 Market (Water Motor) X

Fleck Bros., 44 N. 5th  
 (Fly) .....A

Jandus Electric Co. Real  
 Est. Trust Bldg (Electric)  
 B

Snediker, James F., 139 N.  
 7th (Ceiling) .....D

**PA.—Pittsburg**

Baird Machinery Co. (Ex-  
 haust) .....B

Westinghouse Electric &  
 Mfg. Co. (Electric) AAAAA

**PA.—Pittston**

Exeter Machine Wks. (Ven-  
 tilating; Mine, &c.; Ex-  
 haust) .....AA

**PA.—Scranton**

Finch Mfg. Co. (Ventilating;  
 Mine) .....AA

**PA.—Shamokin**

Mullen & Son, Jno. (Ventila-  
 ting; Mine) .....AA

**PA.—Wilkesbarre**

Vulcan Iron Works (Venti-  
 lating; Mine; Exhaust)  
 AAAAA

**PA.—York**

Broomell Schmitt & Co. Ltd.  
 (Induced Draft) .....A

**R. I.—Providence**

New England Ventilating &  
 Heating Co. (Ventilator)  
 D

**VA.—Richmond**

Richmond Electrical Wks.  
 (Electric) .....AA

**WIS.—Milwaukee**

Allis-Chalmers Co. (Mine;  
 Ventilating) .....AAAA

Bayley & Sons Co., 732  
 Greenbush (Ventilating;  
 Ceiling; Electric) .....X

Mechanical Appliance Co.  
 (Electric) .....C

National Blower Wks. (Elec-  
 tric Power; Ventilating;  
 Engine Connected; Disc;  
 Exhaust; Seed Cotton Eleva-  
 tor; Wool Elevating) A

**WIS.—Watertown**

Watertown Electric Co.  
 (Electric) .....D

## FANS: LADIES

**New York City**

Steiner & Co., Louis, 520  
 Bway. (Fancy Ivory;  
 Shell; Pearl, &c.) .....X

Strauss & Co., Ignatz, 621  
 Bway. (Fancy Ivory; Tor-  
 toise Shell; Pearl, &c.) B

Vantine & Co., A. A., 20 E.  
 18th (Fancy Ivory; Tor-  
 toise Shell; Pearl, &c.)  
 AAA

Washn. ....AA

Leggett & Co., Francis H.  
 AAAAA

Pulsford, A. J., 97 Water F

**OREGON—Portland**

Albers Bros. Milling Co. ..C

**N. C.—Raleigh**

Farina Roller Mills .....B

**WASH. Seattle**

Centenn. Mill Co. ....AA

# FASTENERS

See also Jewelry; Hardware; Carriage

**CONN.—Bridgeport**  
Weld Mfg. Co. (Shoe) ....O  
**CONN.—Hartford**  
Billings & Spencer Co.  
(Belt) .....AA  
Jewell Belting Co. (Belt) .....AAA  
**CONN.—Meriden**  
Meriden Curtain Fixture Co.  
(Curtain) .....B  
Parker Co., Chas. (Blind) .....AAA  
**CONN.—Middletown**  
Palmer, I. E. (Hammock) .....AAA  
**CONN.—Mt. Carmel**  
Woodruff & Sons Co., W. W.  
(Storm Window; Seat) A  
**CONN.—New Britain**  
Corbin, P. & F. (Sash) .....AAAA  
Judd, O. S. (Sash) .....B  
Russell & Erwin Mfg. Co.  
(Blind; Sash) .....AAAA  
Stanley Wks. (Box; Corrugated Steel; Sash; Window) .....AAAA  
**CONN.—New Haven**  
Cowles & Co., C. (Inc.)  
(Apron; Curtain) .....A  
English & Mersick Co.  
(Apron; Curtain) .....B  
Fitch & Co., W. & E. F.  
(Rope) .....A  
Ives Co., Hobart B. (Sash) .....A  
Mallory-Wheeler Co. (Sash; Casement) .....AA  
North & Co. (Hame) .....AA  
Sargent & Co. (Blind; Sash) .....AAAA  
**CONN.—Norwich**  
Ossawan Mills Co. (Picture Frame) .....B  
**CONN.—Southington**  
Peck, Stow & Wilcox Co.  
(Sash) .....AAAA  
**CONN.—South Norwalk**  
Norwalk Lock Co. (Sash) A  
**CONN.—Stamford**  
Yale & Towne Mfg. Co.  
(Sash; Door) .....AAAA  
**CONN.—Unionville**  
Upson Nut Co. (Belt) AAAA  
**CONN.—Waterbury**  
American Pin Co. (Button) .....AA  
Bristol Co. (Belt) .....B  
Holmes Booth & Haydens  
Co. (Paper) .....AAAA  
Waterbury Button Co.  
(Glove) .....A  
**ILL.—Chicago**  
Chicago Crossing Co., Monadnock Bldg. (Bolt) ....F  
Curtis & Co. Mfg. Co., 42 S. Canal (Belt) .....O  
Pratt Mfg. Co., 91 Lake  
(Wire Belt) .....B  
**ILL.—Freeport**  
Stover Mfg. Co. (Curtain) .....AA  
**ILL.—Paxton**  
Paxton Hdw. Mfg. Co.  
(Clothes Line; Rope) X  
**ILL.—Streator**  
Iwan Bros. (Conductors') O  
**IOWA—Red Oak**  
Kretschmer Mfg. Co.  
(Foundation) .....C  
**KY.—Newport**  
Higgin Mfg. Co. (Apron) A  
**MAINE—Rockland**  
Torrey & Son, J. G. (Ship) E  
**MASS.—Attleboro**  
Horton Angell & Co. (Cuff) .....A  
**MASS.—Boston**  
Consolidated Fastener Co., 95 Milk  
Dennison Mfg. Co. (Card; Paper) .....AAAA  
Farquhar's Sons, John, 20 East (Slate) .....O  
Hosmer, Coddling & Co.  
(Button) .....AA  
**MASS.—Cambridgeport**  
Lamb & Ritchie (Conductors') .....AA

# FASTENERS (Con.)

**MASS.—Fiskdale**  
Snell Mfg. Co. (Refrigerator) .....B  
**MASS.—Fitchburg**  
Merriam Mfg. Co. (Bottle) F  
**MASS.—Lynn**  
Anchor Neckwear Fastener Co. (Neckwear) .....H  
**MASS.—Plymouth**  
Bradford Joint Co. (Bedstead) .....D  
**MASS.—Salem**  
Crown Woven Wire Brush Co. (for Round; Sewing Machine Belts) .....X  
**MASS.—South Easton**  
Purinton Co., C. F. (Blind) F  
**MASS.—Worcester**  
Brownsville Maine Slate Co. (Slate) .....B  
Eagan, Thos. F. (Storm Window) .....G  
**MICH.—Detroit**  
Universal Button Fastening & Button Co. ....D  
**MICH.—Grand Rapids**  
Elliot Button Fastener Co. (Button) .....E  
Hayden & Co., J. M. (Wire Belt) .....E  
**MINN.—St. Paul**  
Schroeder Bros., 85 Inglehart (Storm Sash) .....F  
**MO.—St. Louis**  
American Novelty & Mfg. Co. (Box) .....X  
Miller Lock Co., 219 N. 4th (Sash) .....B  
**N. Y. Auburn**  
Clapp Mfg. Co. (Seat) ..B  
**N. Y.—Binghamton**  
Crandall, Stone & Co. (Curtain) .....A  
**N. Y.—Brooklyn**  
De Haven Mfg. Co. 50 Columbia Heights (Box) ..A  
**N. Y.—Buffalo**  
Buffalo Belting Wks., 122 Washn. (Belt) .....F  
Buffalo Specialty Mfg. Co., 375 Ellicott (Belt) .....B  
Pratt & Letchworth (Mitre) AAA  
**N. Y.—Gowanda**  
Smallwood Mfg. Co., W. W. (Corrugated Steel) .....O  
**N. Y.—Homer**  
Phoenix Hdw. Mfg. Co.  
(Sash) .....D  
**New York City**  
Cary Mfg. Co., 19 Roosevelt (Box) .....B  
Cushman & Denison, 240 W. 23d (Paper) .....O  
Green, Tweed & Co., 17 Murray (Belt) .....A  
Judd & Co., H. L. (Sash; Curtain) .....AA  
Kerr & Co., 171 Bway.  
(Metallic Belt) .....D  
Lawrence Stationery Co., B. (Paper) .....D  
Metal Stamping Co. (Apron; Curtain) .....A  
Peck, Stow & Wilcox Co., 27 Murray (Door Chain) ...AAAA  
**Richards & Co., E. Ira**  
(Cuff) .....AAA  
Russell & Irwin Mfg. Co., 43 Chambers (Bedstead; Door Chain) .....AAAA  
Sargent & Co., 151 Leonard (Bedstead; Casement; Door Chain) .....AAAA  
Southwick Co., Geo. W., 149 Centre (Belt) .....E  
Spencerian Pen Co. (Card) AA  
Standard Metal Strap Co., 336 E. 38th (Box) ....E  
**N. Y.—Rochester**  
Pullman Mfg. Co. (Sash) B  
**N. Y.—Troy**  
Trovan Button Fastener Co. (Button) .....B  
**N. Y.—Unadilla**  
Tie Co. (Curtain) .....D  
**OHIO—Canton**  
Elbel & Co. (Hame) .....A

**FASTENERS (Con.)**

**OHIO—Cincinnati**  
Cincinnati Cooperage Co.  
(Hoop) .....A  
Robertson Steel & Iron Co.  
(Basket; Hoop) .....A  
**OHIO—Cleveland**  
Cleveland Hardware Co.  
(Seat) .....AA  
Garry Iron & Steel Co.  
(Conductors) .....A  
Keneshan Steel Belt Fastener Co., 307 Arcade (Belt) D  
Strong, Carlisle & Hammond Co., 81 Frankfort (Belt) A  
Thacher Belting Hook Co., 245 Crawford Rd. (Belt) D  
**OHIO—Dayton**  
Dayton Malleable Iron Co. (Freight Car Door) .AAA  
**OHIO—Springfield**  
Corrugated Steel Nail Co. (Corrugated Steel) ....F  
**PA.—Lancaster**  
Chase Co. (Belt) .....G  
**PA.—Meadville**  
Wilkins Shoe Button Fastener Co. (Shoe Button) ..D  
**PA.—Philadelphia**  
Acme Staple Co. (Ltd.) (Welt) .....X  
Berger Bros. Co. (Conductor) .....A  
Conroy, P. J. (Door; Refrigerator Door; Refrigerator) .....X  
Pease Mfg. Co., 1347 River (Belt) .....F  
Penna. Steel Co. (Street Rail) .....AAAA  
Phila. Novelty Mfg. Co. (Paper) .....D  
**PA.—Pittsburg**  
American Nut & Bolt Fastener Co., Frick Bldg. (Nut; Bolt) .....B  
**PA.—Reading**  
Penna. Hdw. Co. (Sash) AA  
Reading Hdw. Co. (Sash) AAAA  
**PA.—Williamsport**  
Wyland Mfg. Co. (Box) ..D  
**PA.—Wrightsville**  
Susquehanna Castings Co. (Bedstead) .....AA  
Wrightsville Hdw. Co. (Blind; Corrugated Steel; Bedstead) .....B  
**E. I.—Providence**  
Cory & Reynolds (Belt) ..C  
Talcott, W. O. (Belt) ....D  
**TENN.—Chattanooga**  
American Mfg. Co. (Bedstead) .....D  
**WIS.—Racine**  
Dickey Mfg. Co., A. P., (Tank Band) .....F

**FAUCETS**

See also Cocks &amp; Bibbs

**CAL.—San Francisco**  
Am. Faucet Co. ....D  
**CONN.—New Britain**  
Landers, Fry & Clark (Self Closing; Brass; Bung) AAA  
**CONN.—New Haven**  
Peck Bros. & Co. (Brass; Lock; Self Closing) .AA  
**ILL.—Chicago**  
Goetz & Flodin Mfg. Co. (Beer) .....A  
Rodecke Mfg. Co. (Wooden) E  
Redlich Mfg. Co. (Wooden; Cork Lined; Wooden Rubber Saturated) .....B  
Stier Mfg. Co., Herman (Beer) .....A  
Trenkhorst, Frank (Beer) E  
Wilson & Co., F. C. (Bung) B  
**ILL.—Edwardsville**  
Edwardsville Brass Co. (Brass) .....B  
**KY.—Burnside**  
Burnside Mfg. Co. (Wooden) E  
**MASS.—Boston**  
Boston & Lockport Block Co. (Wooden) .....A  
Strater & Sons, Herman

**FAUCETS (Con.)**

(Ale; Beer) .....A  
Union Brass Wks. (Bath &c.) .....F  
**MICH.—Detroit**  
Buhl Stamping Co. (Cream Can) .....AA  
**MICH.—Petoakey**  
Lovelace & Birkett (Wooden) .....A  
**MO.—St. Louis**  
Aufrichtig, Alois (Beer) D  
Messner Mfg. Co., Ferd (Ale; Beer) .....B  
**N. J.—Newark**  
Chambers & Ainslee (Brass) C  
Sommers' Son, Jno. (Wood; Metal; Ale; Cider; Bung; Cork Lined; Extension; Leather Lined; Lock; Wooden) .....A  
**N. Y.—Brooklyn**  
Graham Chemical Pottery Wks., Chas., 1018 Met. Av. (Stoneware) .....D  
**New York City**  
McNab & Harlin Mfg. Co., 56 John (Brass) .AAA  
Meyer Sniffen Co., 5 E. 19th A  
Mott Iron Wks., J. L., 88 Beekman (Metal) ....AA  
United Metal Mfg. Co., 186 Wooster (Brass) .....D  
**N. Y.—Poughkeepsie**  
Lane Bros. Co. (Self Measuring; Brass) .....A  
**N. Y.—Rochester**  
Clark Novelty Co. (Brass; Metal) .....D  
**N. Y.—Syracuse**  
Stearns & Co., E. C. (Wood Key;; Wooden; Measuring) .....AA  
Syracuse Faucet & Valve Co. (Without Packing) ....X  
**OHIO—Canton**  
McLain Co., Jas. H. (Brass) AA  
**OHIO—Cincinnati**  
Deckebach Sons Co. (Beer) C  
**OHIO—Cleveland**  
Bishop & Babcock Co. (Metal) .....AAA  
Cleveland Faucet Co. (Ale; Beer) .....AAA  
Sanitary Co., 335 Huron ..B  
**OHIO—Dayton**  
Dayton Mfg. Co. (Metal) A  
**PA.—Philadelphia**  
Cooper Brass Wks., Wm. S. (Metal) .....C  
Devlin Mfg. Co., 437 N. 10th (Measuring) ....AA  
Enterprise Mfg. Co., 3d & Dauphin (Molasses; Self Measuring, &c.) .AAAA  
Nat. Spec. Mfg. Co. (Self Measuring) .....AA  
North Bros. Mfg. Co., Lehigh Av. & American (Molasses; Metal; Self Mens.) .....AA  
**PA.—Pittsburg**  
McKenna Bros. Brass Co. (Metal) .....A

**FEATHERBONE**

**ILL.—Chicago**  
American Featherbone Co., 109 S. Jeff. ....D

**FEATHERS**

See also Bedding &amp; Millinery

**ILL.—Chicago**  
Cold Blast Feather Co (Geese) .....AA  
Rich & Co., H. & M., 122 Wabash Av. (Art) ....A  
Sanitary Feather Co. (Geese) .....C  
**IOWA—Dubuque**  
Dubuque Mattress Factory (Geese) .....D  
**MO.—Kansas City**  
Lloyd, J. H. (Geese) ....D  
**MO.—St. Louis**  
Ely & Walker Dry Goods Co. (Geese) .AAAA

**FEATHERS (Con.)**

Kaiser & Co., Jacob (Geese) A  
 New York City  
 Hall, Frank A. (Geese) B  
 Lewis & Co., Alfred, 31 E. 10th (Ostrich) B  
 Lindheim & Son, R. (Artificial; Millinery) A  
 Moch & Co., E. (Millinery) X  
 Motley Co., H. K., 649 Bway (Ostrich) D  
 Patent Feather Trimming Co., 230 W. 30th (Millinery) F  
 Rogers & Co., C. P. (Geese) A  
 Taylor & Co., M. J., 30 E. 10th (Ostrich) E  
 Waffenschach & Co., Wm., 55 E. 8th (Ostrich) D  
 Wurzbarger & Hecht (Millinery) AA  
**PA.—Philadelphia**  
 Baxter, Jennie & Lizzie (Millinery) A  
 Henly's Sons, David (Artificial; Ostrich; Millinery) A  
 Thorn Co., J. T., 123 N. 7th (Ostrich) X

**FEEDERS & CONDENSERS**

**ALA.—Prattville**  
 Pratt Gln Co., Daniel (Cotton Gln) AAAA  
**CAL.—San Francisco**  
 Harron, Richard & McCone (Ore) A  
 Hendy Machine Wks., Joshua (Feeders (Ore) AA  
 Union Iron Works (Feeders (Ore) X  
**COLO.—Denver**  
 Davis Iron Wks. Co., F. M., 8th & Larimer (Feeders (Ore) AA  
 Hendrie & Bothoff Mfg. Co., 1625 17th (Feeders (Ore) AA  
 Mine & Smelter Supply Co. (Feeders (Ore) AAAA  
**CONN.—New London**  
 Brown Cotton Gln Co. (Cotton Gln) AA  
**GA.—Atlanta**  
 Van Winkle Gln & Machine Wks., E. (Cotton Gln) AAA  
**ILL.—Chicago**  
 Allis-Chalmers Co. (Feeders (Ore) AAAA  
 Davis Regulator Co., G. M., 145 Milwaukee Av. (Feeders (Boiler; Heater) C  
 Engel & Fagerstein Chem Co. (Feeders (Boiler Compound) D  
 Q & C Co. (Feeders (Boiler) X  
**IND.—Columbus**  
 Reeves & Co. (Feeders; Hullers (Clover) AAAA  
**IND.—Connersville**  
 Roots Co., P. H. & F. M. (Feeders (Boiler) AA  
**IND.—Indianapolis**  
 Nordyke & Marmon Co. (Feeders; Mixers (Flour) AAA  
**IOWA.—Muscatine**  
 Barry Mfg. Co. (Feeders (Automatic) A  
**KANS.—Leavenworth**  
 Great Western Mfg. Co. (Feeders; Mixers (Flour) AA  
**LA.—Amite City**  
 Gullett Gln Co. (Cotton Gln) A  
**MD.—Baltimore**  
 Sinclair-Scott Co. (Feeders (Automatic) E  
**MASS.—Boston**  
 Cross Paper Feeder Co., 185 Summer (For Printing Presses) X  
 Foster Mfg. Co., F. W. (Feeders (Boiler) X  
**MASS.—East Bridgewater**

**FEEDERS (Con.)**

Carver Cotton Gln Co. (Cotton Gln) A  
**MASS.—Lawrence**  
 Horne & Sons Co., J. H. (Feeders (Automatic) A  
 Watts Regulator Co. (Feeders (Boiler Oil) X  
**MASS.—Warren**  
 Warren Steam Pump Co. (Feeders (Boiler) A  
**MICH.—Battle Creek**  
 Advance Thresher Co. (Feeders (Threshers) AAAA  
**MICH.—Bay City**  
 Garland Co., M. (Feeders (Fuel) C  
**MICH.—Detroit**  
 Amer. Injector Co. (Boiler) D  
 Detroit Lubricator Co. Hodge Bldg. (Feeders (Boiler Compound; Oil) AA  
 Lloyd Construction Co. Glenwood Av. & M. C. R. R. (Feeders (Boiler Compound) C  
 McKee & Roberts Co. (Feeders (Boiler Oil) A  
 Michigan Lubricator Co. (Feeders (Boiler Oil) A  
**MICH.—Port Huron**  
 Lee Mfg. Co. (Feeders (Boiler Compound; Boiler Oil) B  
**MO.—St. Louis**  
 Kingsland Mfg. Co. (Cotton Gln & Automatic) B  
 Northrup Lubricating Co. (Feeders (Boiler Compound) F  
**N. J.—Jersey City**  
 Krom Machine Wks., 10 Essex (Feeders (Ore) X  
**N. Y.—Brooklyn**  
 Bliss Co., E. W. (Feeders (Automatic) AAAA  
**N. Y.—Buffalo**  
 Lake Erie Boiler Compound Co. (Feeders (Automatic Boiler Compound) D  
 Noye Mfg. Co., Jno. T. (Feeders; Mixers (Flour) X  
**New York City**  
 Creamer Steam Specialties Co., 123 Liberty (Feeders (Boiler) B  
 Lawler Water, Feed & Damper Regulator Co., 181 Mercer (Feeders (Boiler) F  
 Rutzler Co., E., 178 Centre (Feeders (Low Pressure Automatic Boiler) A  
 Standard Steam Specialty Co., 542 W. Bway. (Feeders (Boiler, High & Low Pressure) D  
**N. Y.—Oswego**  
 Kilts Mfg. Co. (Feeders (Boiler, High & Low) D  
**N. Y.—Pearl River**  
 Dexter Folder Co. (Paper for Printing Presses) B  
**N. Y.—Rochester**  
 Hayner Co., Norman C. (Feeders (Boiler Compound) F  
**N. Y.—Syracuse**  
 Merrell-Soule Co. (Feeders (Automatic) AA  
**N. C.—Charlotte**  
 Mecklenburg Iron Wks. (Feeders (Ore) X  
**OHIO.—Cincinnati**  
 Day & Co., J. H. (Traders; Mixers (Flour) A  
 Lunkenheimer Co., Beekman & Waverly (Feeders (Boiler Compound; Boiler Oil) AA  
 Powell Co., Wm. (Feeders (Boiler Oil) A  
**OHIO.—Steubenville**  
 Steubenville Pottery Co. (Feeders (Sick) A  
**PA.—Erie**  
 Sims Co. (Feeders (Boiler Oil) D  
 Watson, N. A., 1602 State (Feeders (Boiler) A  
**PA.—Philadelphia**  
 Schutte & Koerting Co., 1251

**FEEDERS (Con.)**

N. 12th (Feeders (Boller) A

Smith Woolen Mchry. Co.,  
Jas., 41 Race (Feeders  
(Automatic Self Weighing  
Scale) .....AA**PA.—Pittsburg**Chapin Fulton Mfg. Co., 28  
Penn. Av. (Feeders (Boll-  
er) .....AKelly & Jones Co., 185 Wa-  
ter (Feeders (Stone Saw-  
ing) .....AAPittsburg Reduction Co.,  
Park Bldg. (Feeders (Alu-  
minum Railway) .....AAAAScufe & Sons Co., W. B.  
(Feeders (Boller Com-  
pound) .....AAA**PA.—Waynesboro**Frick Co. (Cotton Gin;  
Fuel) .....AAAA**VT.—Rutland**Frenier, J. H. (Ore Feed-  
ers) .....D**WIS.—Cudahy**Power & Mining Machinery  
Co. (Feeders (Ore) .AAA**WIS.—Milwaukee**Allis-Chalmers Co. (Feed-  
ers (Ore) .....AAAAFiller & Stowell Co., Becker  
(Feeders (Fuel) ....AAASteam Appliance Co. (Feed-  
ers (Boller Compound).D**FEEDERS:****PTG. PRESS**

See Machinery

**FEEDS****ILL.—Moline**Barnard & Leas Mfg. Co.  
(Automatic Shake) ...AA**KANS.—Leavenworth**Great Western Mfg. Co.  
(Automatic Shake) ...AA**MICH.—Kalamazoo**Hill & Co., Wm. E. (Steam  
Carriage) .....B**E. I.—Woonsocket**Woonsocket Machine & Press  
Co. (Cord) .....AA**WIS.—Milwaukee**Allis-Chalmers (Steam Car-  
riage) .....AAAAFiller & Stowell Co. (Steam  
Carriage) .....AAAPawling & Harnischfeger  
(Steam Carriage) ....AAA**FEET**

See also Limbs

**CONN.—New Haven**Seward & Son, C. M. (Vehi-  
cle; Dash) .....A**ILL.—Chicago**Merrick & Hopkins, 59 Dear-  
born (Artificial) .....F**MASS.—Lowell**

Andrews, Wm. (Rubber).E

**MICH.—Grand Rapids**Waddell Mfg. Co. (Carved  
Claw) .....B**New York City**Condell, A., 352 B'way  
(Artificial) .....D**OHIO.—Cleveland**Cleveland Hdw. Co. (Vehi-  
cle; Dash) .....AA**OREGON.—Portland**Portland Artificial Co.  
(Artificial) .....F**FELDSPAR****N. J.—Trenton**Golding Sons' Co. (Ground)  
AA**N. Y.—Belford**Kinkle Sons, P. H. (Crude)  
X**PA.—Toughkenoman**

Penna. Feldspar Co. ....D

**FELLOES**

See Woodwork; Carriage

**FELT**

See also Paper

**CONN.—Meriden**Foster, Merriam & Co.  
(Chair; Table) .....AA**CONN.—Winnipauk**Winnipauk Mills (Woolen)  
A**ILL.—Chicago**Armour Glue Wks. (Hair;  
Wood) .....AAAABarrett Mfg. Co., Merch.  
Loan & Trust Bldg.  
(Roofing) .....AAAA

Bosley &amp; Co., D. W.

(Weather Strips) .....B

Bunker Saddle & Specialty  
Co. (Shaped; Brown)...FBurke, Augustus, 100 W.  
Superior (Roofing) ....CCarlyle Paper Co., 245  
Sedgwick (Deadening).BChicago Asbestos Mfg. Co.  
(Hair) .....EChicago Fire Proof Cover-  
ing Co., 18 N. Canal  
(Hair; Roofing; Asbestos)  
EHopkins, H. H., 50 Dear-  
born (Roofing) .....BNorth Chicago Roofing Co.,  
128 North Av. (Roofing).GOpaque Shade Clth Co.  
(Shade Cloth) .....AAPowell Co., M. W., 204  
Dearborn (Roofing) ....BPowell & Jones, Monadnock  
Bldg. (Roofing) .....ESall Mountain Asbestos Co.,  
128 Ontario (Roofing)..CWestern Felt Wks. (General  
Line) .....C**IND.—Lafayette**Boyle Mfg. Co. (Deadening;  
Roofing) .....D**MAINE.—Camden**Knox Woolen Co. (Paper  
Makers') .....AMegunticook Woolen Co.  
(Paper Makers') .....B**MASS.—Boston**New England Felt Roofing  
Wks. (Roofing) .....ABattelle, Hurd & Co. (Com-  
mission) .....ATrainer Mfg. Co., C. W.  
(Hair; Roofing) .....EWarren Bros. Co. (Roofing)  
AA**MASS.—Canton**Draper Bros. (Paper Mak-  
ers') .....A**MASS.—City Mills**Amer. Felt Co. (Cotton;  
Elastic; Hat; Lining;  
Piano; Organ; Polishing;  
Saddlery; Upholstery;  
Boot) .....AAAABird & Son, F. W. (Dead-  
ening; Non-Inflammable;  
Sanitary) .....AAFitchburg Duck Mills  
(Paper Makers'; Wool)AAMASS.—Lawrence  
Lawrence Duck Co.  
(Paper Makers') .....AMASS.—Leeds  
Northampton Emery Wheel  
Co. (Polishing) .....AMASS.—Millbury  
Bowden Felting Mills Co.  
(For all Purposes) ....BMASS.—Springfield  
Bigelow-Cheney Wire Wks.  
(Guides) .....AMASS.—Winchester  
Bacon Bros. ....EMASS.—Worcester  
Cleveland Machine Wks.  
(Cards) .....AMICH.—Detroit  
Burton & Co., W. J., 164



**FELT (Con.)**  
 Larned (Roofing) .....C  
**MICH.—Saginaw**  
 Asphalt Roofing Co. (Wan-  
 gas Band Roofing) .....D  
**MINN.—Winona**  
 Union Fibre Co. (Litho.  
 Board; Quilted; Flax  
 Fibre; Mineral Wool  
 Deadening) .....B  
**MO.—Kansas City**  
 Midland Asbestos Mfg. Co.  
 (Hair) .....E  
**MO.—St. Louis**  
 Sawyer Paper Co., F. O., 213  
 N. 3rd (Roofing) .....X  
 Trinidad Asbestos Mfg. Co.,  
 320 S. 21st (Deadening;  
 Roofing) .....A  
**N. H.—Peterborough**  
 Noone's Sons Co., Jos.  
 (Ironing) .....D  
**N. J.—Belvidere**  
 Crane Felt Mfg. Co.  
 (Piano) .....X  
**N. J.—Elizabeth**  
 Rankin Co., W. H.  
 (Roofing) .....AA  
**N. J.—Jersey City**  
 Stowell Mfg. Co., 114 Cul-  
 ver Av. (Roofing) .....B  
**N. J.—Newark**  
 Peters Harness & Saddlery  
 Co. (Pads; Saddle Hous-  
 ings) .....C  
**N. J.—Orange**  
 McGall Hat Co. (Hats) ..X  
**N. Y.—Albany**  
 Albany Felt Co. (Paper  
 Makers') .....B  
 Huych & Sons, F. C.  
 (Paper Makers') ....AA  
**N. Y.—Amsterdam**  
 Cons. Woolen Felt Mills  
 (Saddle; Shoe; Polishing) C  
**N. Y.—Binghamton**  
 Binghamton Felting Co.  
 (All Kinds) .....B  
**N. Y.—Brooklyn**  
 Hatfield, Geo. E. (Roofing) D  
 Nassau Mills .....AAA  
**N. Y.—Dolgeville**  
 Am. Felt Co. (All Kinds) .. AAA  
**N. Y.—Lestershire**  
 Faatz, Reynolds Felting Co.  
 (Shoe; Sad.; Laundry;  
 Millinery; Trimming) ...A  
**N. Y.—Little Falls**  
 Kingston's Sons, Wm.  
 (Deadening; Dry Roofing) D  
**N. Y.—Middleville**  
 Nelson-Dedicke Felt Co.  
 (Wool) .....B  
**N. Y.—Newburgh**  
 Stroock Felt Co. (Hair;  
 Polishing; Roofing) ...AA  
**N. Y.—Newfane**  
 Lockport Felt Co. (Paper  
 Mill) .....D  
**New York City**  
 American Felt Co., 110 E.  
 13th (For Electrical Pur-  
 poses; Polishing) .AAAA  
 Asbestos Felting Wks., 79  
 Maiden Lane (Hair) ..D  
 Baeder, Adamson & Co., 67  
 Beekman (Hair) ...AAAA  
 Boyle & Co., John, 112 Du-  
 ane (Dryer) .....AA  
 Hewitt & Bros., C. B., 48  
 Beekman (Roofing) ...A  
 Johns-Manville Co., H. W.  
 Asbestos Fire; Building;  
 Deadening; Hair; Roof-  
 ing; Asbestos) ....AAAA  
 Jonas & Naumberg, 2 Wash-  
 ington Pl. (Hatters') ...AA  
 Martin Co., 192 Water  
 (Hair) .....D  
 Mineralized Rubber Co., 18  
 Cliff (Roofing) .....A  
 Ostermoor & Co. (Elastic;  
 Mattress) .....A  
 Rauff, Richard (Piano;  
 Organ) .....A  
 Russian Hair Felt Co.  
 (Hair) .....A  
 Smith & Co., Thos. F., 16

**FELT (Con.)**  
 Cedar (Hair) .....F  
 Sperry & Beale Co. (Cotton;  
 Elastic; Mattress) ....B  
 Stewart Mfg. Co., W. H., 81  
 Fulton (Roofing) .....C  
 Stroock & Co., S. (Commis-  
 sion) .....A  
 Taylor, W. J., 341 B'way  
 (For Electrical Purposes) A  
**Tingue, Brown & Co. (Elas-  
 tic; Hat; Lining; Paper  
 Makers'; Piano; Organ;  
 Polishing; Saddlery; Shoe;  
 Upholstery, etc.) .....D**  
**N. Y.—Oriskany**  
 Waterbury & Sons Co., H.  
 (Machine Paper Makers') A  
**N. Y.—Syracuse**  
 Single Paper Co., John  
 (Roofing) .....B  
**N. C.—Charlotte**  
 Barnhardt Mfg. Co. (Cot-  
 ton Mattress) .....C  
 Southern Cotton Oil Co.  
 (Mattress) .....AAAA  
**N. C.—Goldsboro**  
 Royall & Borden (Mat-  
 tress) .....D  
**OHIO—Cincinnati**  
 Chalfield & Wood Co., 347  
 W. 4th (Deadening; Roof-  
 ing) .....A  
 Diem & Wing Paper Co., 320  
 Elm (Roofing) .....AA  
**OHIO—Columbus**  
 Union Brick & Supply Co.  
 (Roofing) .....E  
**OHIO—Hamilton**  
 Black & Clawson Co.  
 (Guides) .....AAA  
 Shuler & Benninghofen  
 (Paper Makers') .....AA  
**OHIO—Lockland**  
 Carey Mfg. Co., Philip  
 (Deadening; Hair; Roof-  
 ing) .....AAA  
 Halderman Paper Co.  
 (Deadening) .....A  
**OREGON—Portland**  
 Hammond Mfg. Co., 100 1st X

**PA.—Allegheny**  
 De Long & Co., Julius  
 (Hair) .....B  
 McGraw Bros., J. A., 220  
 Sandusky (Roofing) ....C  
**PA.—Ambler**  
 Keasby & Mattison Co.  
 (Asbestos) .....AAAA  
**PA.—Erie**  
 Watson Co., H. F. (Dead-  
 ening; Hair; Roofing  
 Asbestos, etc.) .....AAA  
**PA.—Franklin**  
 Franklin Mfg. Co. (Dead-  
 ening; Hair) .....AA  
**PA.—Philadelphia**  
 Baeder, Adamson Co., 730  
 Market (Hair) .....X  
 Garrett & Son Co., C. S.,  
 21 Decatur (Deadening;  
 Roofing; Wood) .....AA  
 Stelwagon Mfg. Co., 326  
 Schuylkill Av. (Roofing) B

**PA.—Pittsburg**  
 McClintock & Irvine Co.,  
 Neville (Roofing) .....B  
**TENN.—Nashville**  
 Nashville Chemical Co.  
 (Roofing) .....D  
**WIS.—Appleton**  
 Appleton Woolen Mills  
 (Paper Makers') .....B

## FENCES & FENCING

See also Wire

**CAL.—San Francisco**  
 Pacific Steel & Wire Co.  
 (Farm) .....A  
**CONN.—Georgetown**  
 Gilbert & Bennett Mfg. Co.  
 (Wire) .....AAA  
**GA.—Atlanta**  
 Atlanta Wire & Iron Works

**FENCES (Con.)**

Co. (Iron; Steel Picket; Wire) .....F  
**ILL.—Chicago**  
 Am. Steel & Wire Co., Rookery (Woven Wire)...AAAA  
 Barbee Wire & Iron Wks. (Coping; Jail; Lawn; Poultry; School; Tubular) B  
 Booth, Jas., 114 E. Lake (Iron; Wire) .....B  
 Braumoeller & Son, Henry (Iron) .....B  
 Expanded Metal Fireproofing Co. (Steel) .....A  
 Page Woven Wire Fence Co., 200 Monroe (Woven Wire; Park; Game Preserves; Iron; Ornamental) A  
 Smith Wire & Iron Wks., F. P. (Metal) .....AA  
**ILL.—De Kalb**  
 De Kalb Fence Co. (Steel Web; Woven Wire; Steel Picket; Poultry) .....AA  
 Union Fence Co. (Hog; Lawn; Poultry) .....B  
**ILL.—Joliet**  
 Adams Steel & Wire Co. (Woven Wire) .....D  
**ILL.—Peoria**  
 Keystone Fence Co. (Woven Wire) .....AA  
**ILL.—Sterling**  
 Dillon-Griswold Wire Co. (Woven Wire) .....X  
**IND.—Anderson**  
 Skinner Woven Wire Fence Co. (Woven Wire) .....D  
**IND.—Indianapolis**  
 Enterprise Fdry. & Fence Co. (Iron; Wire) .....B  
 Over, Ewald (Barbed Wire; Iron) .....O  
**IND.—Kokomo**  
 Kokomo Fence Mach. Co. (Ornamental; Farm)....AAA  
**IND.—Lafayette**  
 Barbee Wire & Iron Wks. (Iron) .....B  
**IND.—Muncie**  
 Kitsehan Bros. (Woven Wire) .....A  
**MD.—Baltimore**  
 Balderston & Son, H. (Iron; Wire) .....E  
**MASS.—Boston**  
 Walworth Mfg. Co. (Iron)...AAAA  
**MASS.—Clinton**  
 Clinton Wire Cloth Co. (Woven Wire) .....AAA  
**MICH.—Adrian**  
 Page Woven Wire Fence Co. A  
**MICH.—Detroit**  
 Barnum Wire & Iron Works, E. T. (Iron; Steel) ....B  
 Bolles Iron & Wire Works, J. E. (Iron) .....X  
 Michigan Wire Cloth Co. (Wire) .....AA  
**MICH.—Holly**  
 Cyclone Woven Wire Fence Co. (Woven Wire) ....C  
**MICH.—Oxford**  
 Harris Wire Fence Co. (Woven Wire) .....X  
**MINN.—Crookston**  
 Crookston Marble Works (Cemetery) .....D  
**MINN.—St. Paul**  
 Minnesota Fence Works (Woven Wire) .....E  
**MO.—St. Louis**  
 Globe Iron Fdy. Co. (Iron; Wire) .....B  
 Harry Steel Works, O. K. (Iron) .....B  
 Ludlow-Saylor Wire Co. (Iron; Wire) .....AA  
 St. Louis Wire & Iron Co. E  
**N. H.—Concord**  
 Hill & Co., Jas. R. (Metal) X  
**N. Y.—Hornellsville**  
 Hollow Cable Mfg. Co. (Metal) .....O

**FENCES (Con.)**

**New York City**  
 Anchor Post Co., 15 Cortlandt (Cemetery) .....D  
 Clinton Wire Cloth Co. (Wire) .....AAA  
 Dewitt Wire Cloth Co. (Wire) .....A  
 Fiske Iron Works, J. W. (Iron) .....B  
 Howard & Morse (Iron)...D  
 Lamb, J. & R. (Iron)....D  
 Pitt Composite Iron Works, 111 5th Av. (Iron; Steel Picket) .....D  
**N. Y.—Rosman**  
 McClellan & Connor (Woven Wire) .....E  
**N. Y.—Syracuse**  
 Syracuse Wire Works (Iron; Wire) .....D  
**N. Y.—Utica**  
 Palmer, C. F. (Iron; Wire) O  
**OHIO—Cincinnati**  
 Bromwell Brush & Wire Goods Co. ....AAA  
 Gholson Fence Co., W. C., 1746 Reading Rd. (Metal Portable; Iron; Wire)...X  
 Nimmo Fence Co., 334 E. 4th (Iron; Steel Picket) E  
 Schreiber & Sons' Co., L. (Wire; Iron) .....AA  
 Stewart Iron Works, 3d & Culvert (Iron; Metal; Wire; Steel Picket) ....A  
**OHIO—Cleveland**  
 Van Dorn Iron Works (Iron) AA  
**OHIO—Dayton**  
 City Forge & Iron Works (Metal) .....D  
**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred J. (Iron) .....B  
**OHIO—Kenton**  
 Champion Iron Co. (Iron; Steel; Wire; Punched Rail; Metal) .....AA  
**OHIO—Sandusky**  
 Boley Wire Fence Co. (Woven Wire) .....O  
**OHIO—Springfield**  
 Mast, Foos. & Co. (Iron; Punched Rail; Metal) AA  
 Rogers Iron Co. (Iron; Metal) .....B  
**OHIO—Westerville**  
 Bennett & Co., H. L. (Metal) .....E  
**PA.—East Bangor**  
 East Bangor Mfg. Co. (Metal) .....X  
**PA.—Philadelphia**  
 Darby & Sons' Co., Edward (Iron; Wire) .....A  
 Merritt & Co. (Iron; Wire) B  
**PA.—Pittsburg**  
 McDowell Mfg. Co. (Expanded Metal) .....D  
 Phoenix Steel Construction Co. (Iron; Steel Picket) D  
 Pittsburg Woven Wire Fence Co. ....B  
 Taylor & Dean (Wire; Iron) B  
**WIS.—Janesville**  
 Janesville Barb Wire Co. (Woven Wire) .....A

**FENDERS**

**CONN.—Georgetown**  
 Gilbert & Bennett Mfg. Co. (Nursery) .....AAA  
**CONN.—Waterbury**  
 Holmes, Booth & Haydens Co. (Brass) .....AA  
**GA.—Rome**  
 Towers & Sullivan Mfg. Co. (Plow) .....B  
**ILL.—Chicago**  
 Barbee Wire & Iron Works (Nursery; Wire) .....B  
 McGuire-Cummings Mfg. Co., 122 N. Sagamon (Car) AA  
 Tothill, W. S., 123 W. Webster Av. (Baby) .....F

**FENDERS (Con.)**

**KY.—Louisville**  
Dow Wire Works (Nursery) .....D

**MD.—Baltimore**  
Baltimore Car Wheel Co., Payson & Patterson (Car) B

**MASS.—Boston**  
Elastic Tip Co. (Furniture) B  
Murdock Corporation, 156 Boylston (Fire Place)...X  
Pfingst, Louis, 31 State (Car) .....D

**MASS.—Cambridge**  
Boston Woven Hose & Rubber Co. (Rubber; Furniture) .....AAAA

**MASS.—Worcester**  
National Mfg. Co. (Fire Place) .....A  
Wright Wire Co. (Fire Place) .....AA

**MICH.—Detroit**  
Briscoe Mfg. Co. (Automobile) .....A

**N. J.—Jersey City**  
New Jersey Car Spring & Rubber Co. (Rubber; Furniture) .....AA

**N. Y.—Brooklyn**  
Smith & Son, James (Leather Boat) .....D

**N. Y.—Buffalo**  
Buffalo Wire Works Co. (Fire Place) .....A  
Jewett Mfg. Co., J. C. (Register) .....AA  
McKinnon Dash Co. (Carriage) .....AA

**New York City**  
Dewitt Wire Cloth Co. (Wire) .....A  
Estey Wire Works Co. (Fire Place) .....D  
Fiske Iron Works, J. W. (Nursery) .....B  
Goodyear's India Rubber Glove Mfg. Co. (Rubber; Furniture) .....AAAA  
Goodyear Rubber Co. (Rubber; Furniture) .....AAAA  
Hodgman Rubber Co. (Rubber; Furniture) .....AA  
Howard & Morse (Folding; Iron; Nursery) .....D  
Jackson & Co., Wm. H. (Brass) .....A  
Judd & Co., H. L. (Brass; Iron) .....AA  
Manhattan Brass Co. (Brass) .....A  
Mott Iron Works, J. L. (Brass) .....AA  
Peck, Stow & Wilcox Co. (Fire Place) .....AAAA  
Peckham Mfg. Co., 26 Cortlandt (Car) .....A

**OHIO—Cincinnati**  
Bromwell Brush & Wire Goods Co. (Wire) .....AA  
Hunter Automatic Fender Co. (Car) .....F

**OHIO—Cleveland**  
Eclipse Car Fender Co. (Car) .....X

**OHIO—Hamilton**  
Meyers Mfg. Co., F. J. (Brass; Wire) .....B

**PA.—Philadelphia**  
Brill Co., J. G., 62 Woodland Av. (Car) .....AAA  
Darby & Sons' Co., Edw. (Nursing; Fire Place)...A  
Harrison's Sons, W. H. (Brass; Iron) .....E  
Mayer & Englund, 1024 Filbert (Car) .....A  
Phila. Lawn Mower Co., 3100 Chestnut (Lawn Mower) .....B

**PA.—Pittsburg**  
Armstrong Cork Co. (Yacht) .....AAAA  
Simonds Mfg. Co. (Car)...C

**R. I.—Providence**  
Consolidated Car Fender Co. (Car) .....D

**FERMENTS**

**MICH.—Detroit**  
Parke, Davis & Co. (Digestive) .....AAAA

**N. Y.—Little Falls**  
Burrell & Co., D. H. (Lactic) .....AAAA  
Hansen's Laboratory, C. (Lactic) .....B

**New York City**  
Fairchild Bros. & Foster (Digestive) .....AA

**FERRULES**

**CONN.—Bridgeport**  
American Tube & Stamping Co. (Brass) .....AAAA  
Bridgeport Brass Co. (Brass) .....AAA  
Gaynor & Mitchell Mfg. Co. (Brass) .....C

**CONN.—Bristol**  
Bartholomew Co., H. S. (Iron) .....B

**CONN.—Middletown**  
Wilcox Crittenden & Co. (Iron; Steel) .....A

**CONN.—Mt. Carmel**  
Woodruff & Sons' Co., W. W. .....A

**CONN.—New Haven**  
Peck Bros. & Co. (Brass) AA  
Sargent & Co. (Sash Tool) AAAA

**CONN.—Torrington**  
Union Hardware Co. (Iron; Steel; Brass) .....AA

**CONN.—Unionville**  
Humphreys, H. W. (Solid Brass; Tin; Sheet Metal) D

**CONN.—Waterbury**  
American Pin Co. (Brass) AA  
American Ring Co. (Brass; Seamless) .....A

**CONN.—Waterbury**  
Benedict & Burnham Mfg. Co. (Brass) .....AAA  
Novelty Mfg. Co. (Brass; German Silver; Iron; Seamless; Table Cutlery) A

Plume & Atwood Mfg. Co. (Brass) .....AAA  
Randolph - Clowes Company (Brass) .....AAA  
Scovill Mfg. Co. (Brass) AAAA

Steele & Johnson Mfg. Co. (Brass) .....A  
Waterbury Brass Co. (Brass) .....AAAA

**ILL.—Chicago**  
Illinois Malleable Iron Co. (Iron) .....AAAA

**ILL.—Decatur**  
Mueller Mfg. Co., H. (Brass) .....AAA

**ILL.—Edwardsville**  
Edwardsville Brass Co. (Brass) .....B

**MAINE—Brunswick**  
Brunswick Mfg. Co. (Steel; Plain; Nickel Plated)...C

**MD.—Baltimore**  
Robertson Mfg. Co., Jas. (Iron; Lead) .....A

**MASS.—Worcester**  
Bay State Stamping Co. (Brass; Iron; Steel)...F  
Matthews Mfg. Co. (Brass; Steel) .....D  
Parker & Co., Jno. L., 75 School (Brass; Iron; Steel; Seamless) .....B  
Wire Goods Co. (Wire)...A  
Worcester Ferrule & Mfg. Co. (Brass; Light Steel; Iron) .....C

**MICH.—Detroit**  
Park & McKay Co. (Brass) C

**MICH.—Jackson**  
McKeel & Co., Geo. A. (Brass; Steel; Hoe; Fork; Rake; Screw Driver, &c.) B

**FERRULES (Con.)** ..  
 Withington & Cooley Mfg.  
 Co. (Brass; Iron; Seam-  
 less) .....AA  
**MO.—St. Louis**  
 Nelson Mfg. Co., N. O.  
 (Iron) .....AAA  
**N. J.—Newark**  
 Green & Son, C. E. (Brass;  
 Wire) .....D  
 Newark Rivet Wks. (Brass)  
 AA  
**N. J.—New Brunswick**  
 Consolidated Fruit Jar Co.  
 (Sheet Metal) .....AA  
**N. Y.—Fort Plain**  
 Walrath, A. (Broom) ....D  
**N. Y.—Frankfort**  
 Pratt Chuck Co. (Iron;  
 Steel; Seamless) .....B  
**New York City**  
 Ansonia Brass & Copper Co.  
 (Seamless) .....AAAA  
 Hungerford Brass & Copper  
 Co., 497 Pearl (Brass;  
 also Copper) .....AA  
 Lovell & Co., F. H., 92  
 William (Copper) ....A  
 McNab & Harlin Mfg. Co.  
 (Brass) .....AAAA  
 Marks, A. A., 701 B'way  
 (Crutch; Brass) .....AA  
 Plume & Atwood Mfg. Co.,  
 29 Murray (Brass) ..AAA  
 Reilly Repair & Supply Co.,  
 James, 229 West (Copper)  
 AA  
**N. Y.—Rome**  
 Rome Brass & Copper Co.  
 (Brass) .....AAAA  
**N. Y.—Syracuse**  
 McVey & Kratz (Plumbers')  
 E  
**N. Y.—Troy**  
 Troy Stamping Works (Tin;  
 Sheet Metal) .....AAAA  
**OHIO—Cincinnati**  
 Queen City Brass & Iron  
 Works (Brass) .....B  
**OHIO—Cleveland**  
 Sanitary Co. (Brass for  
 Plumbing) .....B  
**PA.—Erie**  
 Campbell Brass Works, J.  
 B. (Brass; End Reducing;  
 Trap Screw) .....A  
 Hays Mfg. Co. (Brass)....A  
**PA.—Pittsburg**  
 National Tube Co. ....AAAA  
 Shelby Steel Tube Co. (Iron;  
 Steel) .....AAAA  
**PA.—Scranton**  
 Scranton Button Co. (Bi-  
 cycle; Hand) .....A

## FERTILIZERS

See also Guano; Phosphate

**CONN.—Bridgeport**  
 National Fertilizer Co. ..A  
**CONN.—Hartford**  
 Sturtevant Corp., F. C.  
 (Potato; Tobacco) ....D  
**CONN.—Middletown**  
 Roger & Hubbard Co. ...A  
**DEL.—Georgetown**  
 Calhoun & Jones Co. ....D  
**GA.—Atlanta**  
 Furman Farm Improvement  
 Co. ....A  
**GA.—Augusta**  
 Georgia Chemical Works  
 (Ammoniated) .....AA  
**GA.—Blackshear**  
 Blackshear Mfg. Co. ....A  
**GA.—Newnan**  
 Coweta Fertilizing Co.  
 AAAA  
**GA.—Savannah**  
 Savannah Guano Co. (Am-  
 moniated) .....A  
**ILL.—Chicago**  
 Armour & Co. (Ammo-  
 niated) .....AAAA  
**KY.—Louisville**  
 Currie Fertilizer Co. ....A  
**LA.—New Orleans**  
 Planters' Fertilizer Mfg. Co.  
 B  
 Standard Guano & Chemical

**FERTILIZERS (Con.)**  
 Mfg. Co. (Ammoniated)  
 AA  
**MD.—Baltimore**  
 Patapsco Guano Co. ....A  
**MD.—Elkton**  
 Scott Fertilizer Co. ....A  
**MASS.—Boston**  
 Bradley Fertilizer Co. (Am-  
 moniated) .....AAAA  
**MASS.—Gloucester**  
 Dodd & Co., Andrew W.  
 (Fish Scrap) .....B  
**MICH.—Detroit**  
 Michigan Carbon Wks. (Am-  
 moniated) .....AAA  
**N. J.—Newark**  
 Lister's Agricultural Chem-  
 ical Wks. (Ammoniated)  
 AAAA  
**New York City**  
 Baker & Co., H. J. (Am-  
 moniated; Potato; To-  
 bacco) .....AA  
 Coe & Co., E. Frank....AA  
 Read Fertilizer Co. (Ammo-  
 niated; Potato; Tobacco)  
 AAAA  
 Williams & Clark Fertilizer  
 Co. ....AAAA  
**N. C.—Wilmington**  
 Acme Mfg. Co. ....A  
 Navassa Guano Co. ....AAA  
**OHIO—Cleveland**  
 Cleveland Dryer Co. ....AAA  
**PA.—Allentown**  
 Allentown Mfg. Co.....A  
**PA.—Jermyn**  
 Lackawanna Fertilizer &  
 Chemical Co. ....A  
**PA.—Philadelphia**  
 Moro Phillips Wks....AAAA  
 Tygert Co., J. E. (Ammo-  
 niated) .....D  
**PA.—York**  
 York Chemical Co. ....A  
**S. C.—Charleston**  
 Ashpoo Fertilizer Co. ...A  
 Drayton, C. H. ....A  
 Etivan Fertilizer Co. ....A  
 Florida Phosphate Co. ...B  
 Macmurphy Co., W. C. ....A  
 Oakland Mining Co. ....D  
**S. C.—Columbia**  
 Southern Cotton Oil Co.  
 AAAA  
**TENN.—Nashville**  
 Read Phosphate Co. ....AA  
**VA.—Norfolk**  
 Columbia Guano Co. ....A  
 Royster Guano Co., F. S.  
 (Guano) .....AAA  
**VA.—Richmond**  
 Virginia Carolina Chemical  
 Co. ....AAAA

## FIBRE

See also Pulp

**DEL.—Elamere**  
 Diamond State Fibre Co.  
 (Insulating) .....B  
**DEL.—Wilmington**  
 American Vulcanized Fibre  
 Co. (Insulating) .....AAAA  
 Delaware Hard Fibre Co.  
 (Insulating) .....A  
**ILL.—Chicago**  
 Brown & Besley (Letter;  
 Bill) .....O  
 Nicol & Co. (Letter; Bill).D  
**MAINE—Augusta**  
 Cushnoc Paper Co. (Chem-  
 ical) .....A  
**MAINE—Bangor**  
 Eastern Mfg. Co. (Chem-  
 ical) .....AA  
 Orono Pulp & Paper Co..AA  
**MAINE—Kennebunk**  
 Leatheroid Mfg. Co. (Insu-  
 lating) .....A  
**MAINE—Lincoln**  
 Katahdin Pulp & Paper Co.  
 AA  
**MINN.—Jackson**  
 Wallace, J. I. (Upholstery  
 Tow) .....F  
**MINN.—Spring Valley**  
 Spring Valley Flax Fibre  
 Co. (Upholstery Tow)...D

## FIBRE (Con.)

**MINN.—Winona**  
Union Fibre Co. (Upholstery Tow) .....B  
**MO.—St. Louis**  
St. Louis Stamping Co. ....AAAA  
**N. H.—Berlin**  
Burgess Sulphate Fibre Co. ....AAAA  
**N. J.—Boonton**  
Loando Hard Rubber Co. (Insulating) .....B  
**N. Y.—Ausable Forks**  
Rogers Co., J. & J. (Chemical) .....AA  
**N. Y.—Brown Station**  
Hudson River Wood Pulp Mfg. Co. (Chemical) ...D  
**N. Y.—Buffalo**  
Oliver Mfg. Co., W. W. ...C  
**N. Y.—Carthage**  
Carthage Sulphite Pulp Co. (Chemical) .....A  
**N. Y.—Lockport**  
United Indurated Fibre Co. of New Jersey (Indurated Wire) .....A  
**New York City**  
Wilkinson Bros. & Co. (Chemical) .....A  
**N. Y.—Syracuse**  
Stearns & Co., E. C. ....A  
**N. Y.—Ticonderoga Pulp & Paper Co. (Chemical).**AA  
**N. Y.—Watertown**  
Remington & Son Pulp & Paper Co., H. (Chemical) .....B  
**N. Y.—West Carrollton**  
Friend Paper Co. (Chemical) ....AAA

**PA.—Easton**  
Pollock Brush Co. ....D  
**PA.—Lock Haven**  
N. Y. & Pennsylvania Co. (Chemical) .....AAAA  
**PA.—Philadelphia**  
Jessup & Moore Paper Co. (Chemical) .....AAAA  
**R. I.—Bristol**  
National India Rubber Co. (Insulating) .....AAAA  
**R. I.—Pawtucket**  
Thayers' Son, Ellis (Brush) .....X

**WIS.—Appleton**  
Atlas Paper Co. (Chemical) ....AA

**WIS.—Combined Lock**  
Combined Lock Paper Co. (Chemical) .....X

**WIS.—Kaukauna**  
Kaukauna Fibre Co. (Chemical) .....A

**WIS.—Nekoosa**  
Nekoosa Paper Co. (Chemical) .....A

## FIBRE WARE

**DEL.—Wilmington**  
Delaware Hard Fibre Co. ...A  
**N. Y.—Lockport**  
United Indurated Fibre Co. ....X  
**New York City**  
Cordley & Hayes (Indurated) .....AA

## FIGS & DATES

**CAL.—Fresno**  
Hammond, T. J. (Packer).C  
**CAL.—San Francisco**  
Rosenberg Bros. & Co., 211 California .....A  
**IOWA—Burlington**  
Lagomarcino & Co., A. ....B  
**IOWA—Cedar Rapids**  
Lagomarcino & Co., A. ....B  
**LA.—New Orleans**  
Dunbar Sons, G. W. ....A  
**New York City**  
Arquimbau & Ramee, 84 Thomas .....B  
Cameron & Greenly, 228 Washington .....D  
Garlick & Co., 268 Washington .....D  
Hahn & Sons, Jos., 212 Washington .....B

## FIGURES & LETTERS

**CONN.—Bridgeport**  
Schwerdtle Stamp Company (Steel) .....F  
**CONN.—Meriden**  
Bradley & Hubbard Mfg. Co. (Brass; Bronze) ....AAAA  
**CONN.—New Haven**  
Hoggson & Pettis Mfg. Co. (Steel) .....A  
**CONN.—Winsted**  
Goodwin & Kintz Co. (House) .....B  
**ILL.—Chicago**  
Besley & Co., Charles H. (House) .....AA  
Chicago Spring Butt Co. (House) .....B  
**ILL.—Freeport**  
Arcade Mfg. Co. (House) ..A  
Stover Mfg. Co. (Brass).AA  
**MASS.—Boston**  
Dennison Mfg. Co. (Paper Gummed) .....AAAA  
Woodman Mfg. & Supply Co., R. (Steel) .....F  
**MO.—St. Louis**  
St. Louis Electrottype Fdy. (Metallic Pattern) ....D  
**New York City**  
American Railway Supply Co. (House) .....X  
Ansonia Clock Co. (Bronze) ....AAAA  
Brooks & Co., E. J. (Metallic Pattern; Steel) ..B  
Caesar Bros. (Enameled).J  
Judd & Co., H. L. (Bronze) ....AA  
Ness, Jr., Geo. M. (Steel).H  
New York Stencil Works (Brass; Steel) .....D  
Russell & Erwin Mfg. Co. (House) .....AAAA  
Sargent & Co. (House) ....AAAA  
Stafford Co., N. (Brass)..F  
Tiebout, W. & J. (House).B  
Wiebusch & Hilger (House) .....A  
Yale & Towne Mfg. Co. (House) .....AAAA  
**OHIO—Canton**  
Berger Mfg. Co. (Cornice; Sign) .....AA  
**OHIO—Cincinnati**  
Obermayer Co., S. (Metallic Pattern) .....AA  
Taylor & Co., A. V. (House; White Enamel) .....X  
**OHIO—Cleveland**  
Cleveland Galvanizing Wks. (House) .....C  
Globe Machine & Stamping Co. (Steel) .....C  
Kongslow Stamping & Tool Works (Steel) .....D  
Taylor & Boggis Fdy. Co. (House) .....AA  
**OHIO—Dayton**  
Howard, Wm. H. (Brass).E  
**PA.—Philadelphia**  
National Decalcomania Co. (Paper Gummed) .....F  
Paxson Co., J. W. (Metallic Pattern) .....AA  
Quint & Sons, S. H. (Metallic Pattern) .....B  
**PA.—Reading**  
National Brass & Iron Wks. (Bronze) .....A  
Reading Hdw. Co. (House) ....AAAA

## FIGURES: SHOW ETC

**MICH.—Lansing**  
Lyons & Co., Hugh (Wax) .....A  
**MO.—St. Louis**  
Belle, Hickey Mfg. Co. (Wax) .....C  
**New York City**  
American Figure Co., 27 Grand (Show) .....F  
Baumann Co., F., 19 Howard (Show) .....E

**FIGURES (Con.)**

Demuth & Co., Wm., 507  
B'way (Show) .....AAA  
Spieles, J., 424 W. B'way  
(Wax) .....D  
Stevens & Co., C. C., 57  
W. 24th (Wax) .....F  
**OHIO—Akron**  
Enterprise Mfg. Co. (Block)  
A  
**PA.—Philadelphia**  
Schoenbut Co., A. (Show) .A  
Straus, Wm. (Show) ....F  
**WIS.—Milwaukee**  
French Wax Figure Co.  
(Wax) .....D

**FILBERTS**

See Nuts; Edible

**FILERS**

**MICH.—Grand Rapids**  
Baldwin, Tuthill & Bolton  
(Band Saw) .....D  
**MISS.—Columbus**  
Columbus Machine & Fdy.  
Co. (Saw) .....C  
**N. Y.—Buffalo**  
Rogers & Co., S. C. (Band  
Saw, &c.) .....C  
**N. Y.—Seneca Falls**  
Seneca Falls Mfg. Co.  
(Saw) .....B  
**R. I.—Providence**  
Nicholson File Co. (Saw;  
Gummers) .....AAAA  
**WIS.—Milwaukee**  
Filler & Stowell Co. (Saw;  
Gummers) .....AAA

**FILES**

See also Furniture

**CONN.—Bridgeport**  
Bridgeport Hdw. & Mfg.  
Co. (Bill; Letter; Paper)  
B  
**ILL.—Chicago**  
Chicago Wheel & Mfg. Co.  
(Emery; Corundum; Plan-  
er; Knife) .....C  
Rockwell-Wabash Co., 151  
Wabash Av. (Card Index)  
A  
Tengwall File & Ledger Co.  
(Bill; Letter, &c.) ....B  
**ILL.—Freeport**  
Arcade Mfg. Co. (Paper;  
Horse Tooth) .....A  
Stover Mfg. Co. (Paper) .AA  
**IND.—Indianapolis**  
Atkins & Co., E. C. (Me-  
chanics') .....AAAA  
**MASS.—Attleboro**  
Blake Co., Jas. E. (Mani-  
cure) .....A  
**MASS.—Fitchburg**  
Fitchburg File Wks. (Iron)  
D  
Simonds Mfg. Co. (Planer  
Knife) .....AAA  
**MASS.—Worcester**  
Wire Goods Co. (Paper) ...A  
**MICH.—Grand Rapids**  
Macey-Wernicke Co. (Let-  
ter; Bill) .....AA  
**N. J.—Elizabeth**  
Amer. Swiss File & Tool  
Co. ....A

*Finest Grade "Ameri-  
can Swiss" Files mainly  
for Tool Makers' and Die  
Sinkers' use, replacing  
the best foreign makes  
heretofore imported.*

**N. J.—Freehold**  
Stokes Bros. Mfg. Co. (Iron;  
Rasps) .....A  
**N. J.—Newark**  
Heller Bros. Co. (Iron;  
Rasps; Mechanics) ...AA  
Parkes File Co. (Manicure)  
P

**N. Y.—Brooklyn**  
Murcott & Campbell, 296  
Union Av. (Jewelers')..O

**FILES (Con..)**

New York City  
Forquignon Mfg. Co., E.  
(Manicure) .....D  
Funk & Wagnalls Co., 80  
Lafayette Pl. (Mechan-  
ics') .....AAA  
Mayer, Lane & Co., 128  
White (Mechanics') ...X  
Patterson, Gottfried & Hun-  
ter, 146 Centre (Jewel-  
ers') .....A  
Peck, Stow & Wilcox Co.  
(Paper) .....AAAA  
Sargent & Co., 151 Leon-  
ard (Paper) .....AAAA  
Shipman's Sons, A. L., 14  
Warren (Letter; Bill)...A  
Silberstein, A. L. (Mani-  
cure) .....A  
Surplus, Dunn & Co., 55  
Warren (Mechanics')...C  
**N. Y.—Troy**  
Troy File Works (Horse  
Tooth; Mechanics') ....D  
**OHIO—Akron**  
Whitman & Barnes Mfg. Co.  
(Iron; Rasps) .....AAAA  
**OHIO—Cincinnati**  
Globe-Wernicke Co. (Bill;  
Letter; Card Index;  
Newspaper) .....AAAA  
Tatum Co., Samuel C., 266  
Water (Letter; Bill)...B  
**OHIO—Hamilton**  
Meyers Mfg. Co., Fred J.  
(Paper) .....B  
**OHIO—Painesville**  
Globe Mfg. Co. (Hand Saw)  
E  
**OHIO—Toledo**  
Ohio Binder Co., 168 La  
Grange (Letter, &c.)...D  
**PA.—Philadelphia**  
Barnett Co., G. & H. (Iron;  
Mechanics') .....A  
Disston & Sons, Hy. (Iron;  
Mechanics') .....AAAA  
McCaffrey File Co., 5th &  
Berks (Iron; Rasps, all  
kinds) .....AAAA  
Mayer & Co. (Iron) .....B  
Philadelphia Novelty Mfg.  
Co. (Upright Wire)....D  
**PA.—Wrightsville**  
Wrightsville Hardware Co.  
(Paper) .....B  
**R. I.—Providence**  
Bens, Wm. (Manicure)...B  
Nicholson File Co. (Iron: all  
kinds) .....AAAA  
**WIS.—Milwaukee**  
Westfahl & Co., F. (Me-  
chanics') .....C

**FILLERS**

See also Paints & Machinery

**CONN.—Derby**  
Clark Cast Steel Cement Co.  
(Iron) .....G  
**CONN.—Hartford**  
Winkley Co. (Oil Can) ...P  
**GA.—Columbus**  
Sauls Bros. (Can) .....D  
**ILL.—Chicago**  
Creamery Package Mfg. Co.  
(Egg Case) .....AAAA  
Devco & Reynolds Co. (Iron;  
Wood) .....AAAA  
Marine Iron Works (Pack-  
age) .....B  
National Fire Proof Paint  
Co., 40 Dearborn (Iron;  
Steel) .....D  
Wadsworth-Howland Co.,  
Ind. Av. (Iron; Steel)...A  
Warren Mfg. Co., J. D.  
(Nail Bin) .....B  
**IND.—Terre Haute**  
American Asbestos Co.  
(Wood) .....D  
**IOWA—Cedar Rapids**  
Cherry Co., J. G. (Egg Case)  
A  
**MAINE—Portland**  
Conant & Co., R. O. (Can)  
F  
Stickney, Henry R. (Con-  
densed Milk Can) .....D

**FILLERS (Con.)**

MD.—Baltimore  
 Sinclair-Scott Co. (Can)...E  
**MASS.—Boston**  
 Edson Mfg. Co., 257 Atlantic Av. (Bottle) .....B  
**MICH.—Battle Creek**  
 Johnson Foundry & Machine Works (Adjustable Package) .....D  
**MICH.—Detroit**  
 Acme White Lead & Color Works (Iron; Steel)...AAA  
 Eastman Capsule Filler Co. (Capsule) .....H  
**MO.—St. Louis**  
 Leschen & Sons Rope Co., A. (Wire Rope) .....AAAA  
**N. J.—Bridgeton**  
 Cox Bros. & Co. (Can)...D  
**N. J.—Haddonfield**  
 Star Milk Cooler Co. (Milk Bottle) .....C  
**N. J.—Salem**  
 Ayars Machine Co. (Tomato) .....B  
**N. Y.—Brooklyn**  
 King Paint Mfg. Co. (Iron; Steel) .....B  
 Ross & Son, Charles, 18 Steuben (Can) .....D  
**N. Y.—Buffalo**  
 McLennan Paint Co., Ltd., 175 Rano (Iron; Steel)...AA  
 Shepard & Co., Sidney (Lamp; Oil Can) .AAAA  
**N. Y.—Cortland**  
 Champion Milk Cooler Co. (Bottle) .....E  
**N. Y.—Newark**  
 Grippin Mfg. Co. (Floor Crack) .....B  
**New York City**  
 Central Stamping Co. (Oil Can; Lamp) .....AA  
 Chatillon & Sons, John (Bag) .....A  
 Knapp Mfg. Co., 24 Frankfort (Oil Can) .....D  
 Stoutenborough, X. (Lamp) .....D  
 Smith & Co., Edw., 45 B'way (Iron; Steel) ..A  
**OHIO—Cincinnati**  
 Day & Co., J. H. (Can; Package) .....A  
 Obermayer Co., S. (Iron) AA  
**OHIO—Cleveland**  
 Cleveland Steam Gauge Co. (Bag) .....C  
 Forest City Paint & Varnish Co. (Iron; Steel) .....B  
**PA.—Allegheny**  
 Wisconsin Graphite Co. (Graphite) .....X  
**PA.—Muncy**  
 Keystone Paint & Filler Co. (Iron; Steel) .....B  
**PA.—Philadelphia**  
 Barrett, Lindeman Co., 1402 Frankford Av. (Iron; Steel) .....B  
 Binswanger & Co., B., 115 N. 4th (Iron; Steel)...B  
 Bowen's Sons, S., N. 4th (Iron; Steel) .....B  
 Cambria Steel Co., 15 Market (Frog) .....AAAA  
 Felton, Sibley & Co., 136 N. 4th (Iron; Steel) .AAA  
 French & Co., Samuel H., 4th & Callowhill (Iron; Steel) .....A  
 Grogan & Co., H. F., 2113 E. Sergeant (Iron; Steel)...D  
 Lucas & Co., Jno., 322 Race (Iron; Steel) .....AAA  
 Paxson Co., J. W. (Iron) AA  
 Phila. Scoop Co. (Bag)...X  
 Waterall & Co., Wm. (Iron; Steel) .....A  
**PA.—Pittsburg**  
 Atlas Paint Co., 2638 Liberty Av. (Iron; Steel)...X  
 Emanuel & Ihrig, 501 2d Av. (Capsule) .....D  
 Gem Mfg. Co. (Oil) .....D  
 Suydam Co., M. B., 61st & Butler (Iron; Steel) ....A

**FILLERS (Con.)**

**PA.—Reading**  
 Wilhelm Co., A. (Iron; Steel) .....AA  
**PA.—Williamsport**  
 United States Paint Co. (Iron; Steel) .....X  
**WIS.—Fort Atkinson**  
 Cornish, Curtis & Green (Bottle) .....A  
**WIS.—Milwaukee**  
 Smith Paint & Varnish Co. (Iron; Steel) .....D

**FILLETS**  
**New York City**  
 Butler, A. G., 101 Beekman (Leather) .....D  
**N. Y.—Seneca Falls**  
 Brunn, A. W. (Pattern)...F  
 Knight & Son, H. W. (Pattern) .....C  
**OHIO—Canton**  
 Benskin Mfg. Co. (Pattern) D  
 Canton Fillet Co. (Pattern; Leather; Wood) .....C  
**OHIO—Cincinnati**  
 Obermayer Co., S. (Leather) AA  
**PA.—Philadelphia**  
 Paxson Co., J. W., 1021 N. Del. Av. (Pattern Metallic) .....AA

**FILLING**

See also Amalgams

**CONN.—Hartford**  
 Jewell Belting Co. (Pulley) AAA  
**CONN.—New London**  
 Brainerd & Armstrong Co. (Silk) .....AAA  
**CONN.—Watertown**  
 Hemingway & Sons Silk Co. (Silk) .....A  
**MASS.—Florence**  
 Nonotuck Silk Co. (Silk) AAAA  
**MICH.—Belding**  
 Belding Bros. & Co. (Silk) AAAA  
**N. J.—Trenton**  
 Trenton Rubber Mfg. Co. (Pulley) .....A  
**N. Y.—Brooklyn**  
 Doherty, Eugene (Dental)...D  
**New York City**  
 Bishop Gutta Percha Co. (Dental) .....B  
**PA.—Allentown**  
 Garnet Belt Dressing Co. (Belt; Preserver) .....F  
**PA.—Philadelphia**  
 Horstman & Co., Wm. H. (Silk) .....AAAA  
 Johnson & Lund (Dental) AA  
 Justi & Sons, H. D. (Dental) .....AA  
 White Dental Mfg. Co. (Dental) .....AA  
 R. I.—Pawtucket  
 Slater Cotton Co. (Cotton) AA  
**WIS.—Milwaukee**  
 Hendee Wire Brush Co., 127 Michigan (Belt) .....E

**FILMS**

**N. J.—Orange**  
 Wilson Mfg. Co., .....A  
**New York City**  
 Edison Phonograph Agency (Animated Photograph)...D  
 Johns-Manville Co., H. W. (Asbestos Filtering) AAAA  
**N. Y.—Rochester**  
 Eastman Kodak Co. (Photograph) .....AAAA  
**PA.—Philadelphia**  
 Carbutt Dry Plate & Film Co., Wayne Junct. (Photographic) .....X

# **FILTERS**

**CONN.—Ansonia**  
Farrell Fdy. & Machine Co.  
(Mechanical) .....AAAA

**CONN.—Meriden**  
Manning, Bowman & Co.  
(Coffee) .....AA

**CONN.—New Haven**  
Peck Bros. & Co. (Water)  
AA

**ILL.—Chicago**  
Colles & Co., E. G. T., 42  
S. Clinton (Oil) .....B

**Independent Filter Co.**  
(Beer) .....B

**Metropolitan Filter Co.**  
(Water) .....E

**National Filter Co., 277**  
Dearborn (Water) .....D

**Perrin & Co., Wm. R. (Mechanical)**  
.....A

**Warren Paint Co., 128 N.**  
Jefferson (Oil) .....B

**Wilson, Cortez & Co., F.,**  
239 Lake (Oil) .....B

**Wolf Co., Fred W., 189**  
Rees (Bag; Mechanical;  
Ice Machine; Sugar).....AAA

**ILL.—Joliet**  
Bates Machine Co. (Oil).....AA

**ILL.—Peoria**  
Peoria Automatic Filter Co.  
(Automatic Oil) .....X

**IND.—South Bend**  
Turner, M. A. (Oil) .....E

**KANS.—Ft. Scott**  
Fort Scott Fdy. & Machine  
Co. (Sugar) .....H

**LA.—New Orleans**  
Gulf Bag Co., 746 Tchoup  
(Bag) .....AAAA

**Haubtman & Loeb Co., 217**  
Gravler (Bag; Mechanical)  
.....B

**Payne & Joubert, 423 Car-**  
rondelet (Bag; Mechanical)  
.....A

**MASS.—Boston**  
Boston Brass Co. (Faucet).....C

**Jones Mfg. Co., 243 Frank-**  
lin (Water; Faucet).....E

**Nalad Filter Co., Sudbury**  
Bldg. (Water) .....D

**New England Pottery Co.**  
(Water) .....C

**Walworth Mfg. Co. (Water)**  
AAAA

**MASS.—Chelsea**  
Boston Filter Co. (Water)  
D

**MASS.—Florence**  
Norwood Engineering Co.  
(Water for mills; Pressure;  
Water) .....B

**MASS.—Winchester**  
Eastern Felt Co. (Felt).....C

**MICH.—Detroit**  
Hygela Filter Co. (Water)  
C

**MO.—St. Louis**  
Famous Filter Co., 316 N.  
Main (Oil) .....D

**Flower & Co., Walter L.,**  
721 Oliver (Oil) .....E

**Handlan-Buck Mfg. Co., 213**  
N. 3d (Oil) .....AA

**Jackson Filter Mfg. Co.,**  
Chemical Bldg. (Water;  
Gravity; Pressure) .....E

**MO.—Seneca**  
Seneca Filter Co. (Tripoli)  
D

**N. J.—Newark**  
Standard Machine Co., 61  
N. J. R. R. Av. (Water  
Portable) .....X

**N. Y.—Albany**  
Albany Steam Trap Co.  
(Water; Feed Water).....D

**N. Y.—Brooklyn**  
Acton, John, 118 John  
(Grist; Mud Oil) .....D

**Pioneer Iron Works, 151**  
William (Mechanical).....A

**Sweeney Mfg. Co., W. H.**  
(Coffee) .....A

**Ward & Upright Engineer-**  
ing Co., 41 York (Feed  
Water) .....D

# **FILTERS (Con.)**

**N. Y.—Buffalo**  
Heins & Munschaer (Water)  
.....A

**Jewett Mfg. Co., Jno. C.**  
(Water) .....AA

**Shepard & Co., Sidney**  
(Water) .....AAAA

**Squier Mfg. Co., Geo. L.,**  
420 Niagara (Water;  
Bag; Animal Bone; Coal)  
AAAA

**N. Y.—Jamestown**  
Engineering & Power Co.  
(Oil) .....AA

**New York City**  
American Felt Co., 110 E.  
13th (Bag) .....AAAA

**Bartlett, Hayward & Co.,**  
100 B'way (Bag) .....B

**Buhring Water Purifying**  
Co., 12 W. B'way (Water)  
F

**Bushnell Co., Jno. S., 126**  
Liberty (Oil) .....E

**Cordley & Hayes (Water).....A**

**Cornell Co., J. B. & J. M.,**  
28th & 11th Av. (Bag;  
Mechanical) .....AA

**Deeley & Co., Robert, 507**  
W. 32d (Bag; Mechanical;  
Sugar) .....AA

**German-American Filter Co.**  
(Beer) .....X

**Hall Mfg. Co., 40 Cortlandt**  
(Oil Waste) .....G

**Haydenville Co. (Faucet).....A**

**Koven & Bro., L. O., 50**  
Cliff (Feed Water).....A

**Krajewski-Pesant Co., 32**  
B'way (Mechanical; Sugar)  
.....AA

**Linke & Co., T., 1559 B'way**  
(Water; Portable Stone  
Tub).....F

**Matthews, John (Water)**  
AA

**Morris Co., Elmer P., 15**  
Cortlandt (Oil) .....D

**Mundt & Sons, Charles, 447**  
Pearl (Water) .....B

**N. Y. Continental Jewell**  
Filtration Co., 15 Broad  
(Feed Water; Gravity;  
Pressure; Mechanical;  
Sand) .....B

**Rapid Safety Filter Co.,**  
359 B'way (Water) .....X

**Robertson & Sons, Jas. L.,**  
204 Fulton (Oil Waste).....D

**Seed Filter & Mfg. Co. (Faucet;  
Water) .....F**

**Shriver & Co., T., 333 E.**  
56th (Mechanical) .....A

**N. Y.—Troy**  
Ross Valve Co. (Oil; Feed  
Water; Water) .....C

**OHIO—Akron**  
Akron Belting Co. (Oil).....A

**Burt Mfg. Co. (Oil).....C**

**OHIO—Canton**  
Bonnot Co. (Bag) .....A

**OHIO—Cincinnati**  
Blymyer Iron Works Co.  
(Bag) .....B

**Lynn Filter Mfg. Co., 3250**  
Spring Grove Av. (Gravity;  
Pressure; Water).....D

**OHIO—Cleveland**  
Cleveland Stamping & Tool  
Co. (Water) .....A

**Cleveland Steam Gauge Co.**  
(Barrel) .....C

**Darling Filter Co., 299**  
Prospect (Water) .....X

**Dyer & Co., E. H., New**  
England Bldg. (Mechanical)  
.....AAA

**Loew Filter Co. (Beer;  
Water; Wine) .....B**

**OHIO—Dayton**  
Nusbaum, F. A. (Oil) ....H

**PA.—Chester**  
Wetherill & Co., Robert  
(Water; Portable).....AAA

**PA.—Erie**  
Jarecki Mfg. Co. (Automatic;  
Pressure; Oil).....AAA

**Sims Co. (Oil) .....D**

**Watson, N. A. (Water).....A**



**FILTERS (Con.)**

PA.—New Brighton  
Pittsburg Clay Mfg. Co.  
(Water) .....AAAA  
PA.—Philadelphia  
Buchanan, W. P., 1228  
Arch (Photographers')...C  
Coles Mfg. Co. (Water)...D  
Gwilliam, Jos. R., 115 N.  
6th (Oil) .....X  
Haines Co., W. S., 136 S.  
14th (Oil) .....X  
Hibbs, E. A., 209 Quarry  
(Oil) .....B  
Lonergan & Co., J. E. (Oil)  
AA

Loomis-Manning Filter Co.,  
828 New Land Title Bldg.  
(Feed; Water; Gravity;  
Pressure; Waterworks).X  
Morris, Henry G., Phila.  
Bourse (Bag; Mechanical)  
B

Moore & White Co. (Oil)  
AA  
Penn Engineering Co., 1421  
Filbert (Water) .....E  
Roberts Mfg. Co., 3011  
Chestnut (Water) .....C  
Wood & Co., R. D., 400  
Chestnut (Bag) .....AAAA  
PA.—Pittsburg  
Bonar & Co., Jas., Carnegie  
Bldg. (Oil) .....B  
Liberty Mfg. Co. (Oil)...D  
Pittsburg Filter Mfg. Co.,  
Farmers' Bank Bldg.  
(Gravity; Water; Pres-  
sure) .....X  
Purity Oil Filter Mfg. Co.  
(Oil) .....C  
Scaife & Son Co., W. B., 221  
7th Av. (Charcoal; Feed  
Water; Gravity; Pressure;  
Mechanical; Oil; Sand;  
Tripoli) .....AAAA  
PA.—Scranton  
Union Steam Specialty Co.  
(Oil) .....A  
PA.—South Bethlehem  
Bethlehem Fdy. & Machine  
Co. (Mechanical) .....C  
PA.—Waynesboro  
Frick Co. (Ice Machine)  
AAAA

**FINGERS**

N. Y.—Cortland  
Cortland Specialty Co.  
(Lamp) .....D  
PA.—Middletown  
Brinser & Sons, E. C.  
(Grain Cradle) .....D  
W. VA.—Moundsville  
Schwab Co., J. A. (Spring  
Repair) .....C

**FINIALS**

CONN.—Bridgeport  
Drouve Co. G. (Metal)...B  
ILL.—Chicago  
Barbee Wire & Iron Works  
(Hook) .....B  
MASS.—Boston  
Van Noorden & Co., E.  
(Hook) .....C  
MASS.—Worcester  
New England Steel Roofing  
Co. (Metal) .....F  
MO.—St. Louis  
Harry Steel Works, O. K.  
(Hook) .....B  
N. J.—Jersey City  
National Sheet Metal Roof-  
ing Co. (Metal) .....C  
New York City  
Fiske Iron Works, J. W.  
(Hook; Metal) .....B  
Lamb, J. & R. (Hook)...D  
OHIO—Canton  
Berger Mfg. Co. (Hook;  
Metal) .....AA  
Canton Steel Roofing Co.  
(Metal) .....A  
OHIO—Cleveland  
Van Dorn Iron Works Co.  
(Hook) .....AA  
OHIO—Hamilton  
Meyers Mfg. Co., Fred J.  
(Hook) .....B  
OHIO—Kenton

**FINIALS (Con.)**

Champion Iron Co. (Hook;  
Metal) .....AA  
OHIO—Salem  
Mullins, W. H. (Hook;  
Metal) .....A  
OHIO—Toledo  
Donovan Wire & Iron Co.  
(Metal) .....C  
PA.—Philadelphia  
Merchant & Co. (Metal).AA  
PA.—Pittsburg  
Kratzer & Co., W. N. (Met-  
al) .....D

**FINISH**

See also Woodwork; Polish;  
Paints

CAL.—Los Angeles  
Bowers & Sons, W. R.  
(Floor) .....C  
CONN.—Bridgeport  
Crockett Co., David B. (Oil;  
Wood) .....B  
CONN.—Essex  
Essex Paint Works (Oil).A  
CONN.—New Milford  
Bridgeport Wood Finishing  
Co. (Floor; Wood).....AA  
ILL.—Chicago  
Adams & Elting Co. (Wood)  
A  
Chicago Varnish Co., 41  
Dearborn Av. (Floor;  
Hard Oil) .....AA  
Chicago Wood Finishing  
Co., 259 Elston Av. (Floor;  
Hard Oil) .....A  
Devoe, F. W. & C. T. Rey-  
nolds Co., 176 Randolph  
(Hard Oil; Wax; Wood)  
AAAA  
U. S. Gypsum Co., 184 La  
Salle (Wall) .....AAAA  
Vilas Bros., 227 5th Av.  
(Floor Varnish) .....B  
Wadsworth - Howland Co.  
(Floor) .....A  
IND.—Indianapolis  
Interior Hardware Co.  
(Wax) .....A  
Lilly Varnish Co. (Parquet-  
rie Floor Preservative).A  
IOWA—Ft. Dodge  
Cardiff Gypsum Plaster Co.  
(Wall) .....B  
MD.—Baltimore  
Macneal & Co., Jas. B., 34  
S. Calumet (Hard Oil)...B  
MASS.—Boston  
Butcher Polish Co., 356 At-  
lantic Av. (Floor; Hard  
Oil) .....F  
Gilman, Chas. H., 103 Mer-  
rimac (Floor) .....G  
Morse Blacking Co. (Black-  
ing; Leather) .....F  
MICH.—Detroit  
Acme White Lead & Color  
Works (Floor; Hard Oil)  
AAA  
Berry Bros., Ltd. (Hard Oil)  
AAAA  
MICH.—Grand Rapids  
Anti-Kalsomine Co., (Wall;  
Plaster) .....AA  
Diamond Wall Finish Co.  
(Wall) .....B  
MO.—Kansas City  
Continental Varnish & Color  
Co., 1315 W. 8th (Hard  
Oil) .....X  
N. J.—Jersey City  
Gillespie & Sons, Chas. H.  
(Hard Oil) .....B  
Woolsey Paint & Color Co.,  
C. A. (Oil; Wood) .....A  
N. J.—Newark  
Anglo-American Varnish Co.,  
55 Johnson (Hard Oil)...B  
Brooks & Co., Clarence, 249  
Chestnut (Hard Oil)...A  
Flood & Conklin Co., 132  
Chestnut (Hard Oil).AAA  
Mitchell-Mallon Co., 319 N.  
J. R. R. Av. (Hard Oil)  
D  
Murphy Varnish Co. (Hard  
Oil; Wood) .....AAAA

**FINISH (Con.)**

Palmer-Price Co., 270 Chestnut (Hard Oil) ..... B  
**N. Y.—Brooklyn**  
 Moore & Co., Benjamin, 236 Water (Wall) ..... AA  
 Moller & Schumann Co., Marcy & Flushing Aves. (Hard Oil) ..... A  
**N. Y.—Buffalo**  
 McLennon Paint Co., Ltd., 175 Rano (Hard Oil) .. AA  
**N. Y.—New Brighton**  
 Muralo Co. (Wall) ..... A  
 New York City  
 Calman & Co., Emil (Oil) AA  
 Fox & Co., M. Ewing, 136 Rider Av. (Wall) ..... D  
 Gillespie & Sons, L. C. (Oil; Wood) ..... AA  
 Longman & Martinez (Oil; Wax) ..... AAA  
 Mayer & Lowenstein (Oil; Wax) ..... AAA  
 Pierce Co., F. O. (Oil) .... A  
 Smith & Co., Edward, 45 B'way (Hard Oil) .... A  
 Somerville Sons', Wm., 66 Pine (Wax) ..... A  
 Standard Varnish Works, 29 B'way (Gutta Percha) .. AA  
 Water Paint Co. of America, 100 William (Wall) B  
 Whitaker, W. H., 215 Front (Wall) ..... E  
**N. Y.—Syracuse**  
 Paragon Wall Plaster Co. (Wall) ..... A  
**N. Y.—Troy**  
 Troy Cold Water Kalsomine Co., 22 Pine (Wall) .... E  
 Troy Oil Works (Floor) .. H  
**OHIO—Cleveland**  
 Cleveland Varnish Co., 14 Rockland Av. (Floor; Oil; Wax; Wood) ..... AA  
 Glidden Varnish Co., Williamson Bldg. (Floor; Hard Oil) ..... AA  
**OHIO—Gibsonburg**  
 Standard Lime Co. (Wall) . X  
**PA.—Chester**  
 Keystone Plaster Co. (Wall) A  
**PA.—Erie**  
 Reed Mfg. Co. (Collar; Cuff) ..... A  
**PA.—Philadelphia**  
 Atlantic Drier & Varnish Co., Drexel Bldg. (Floor) B  
 Felton, Sibley & Co., 136 N. 4th (Hard Oil) ..... AAA  
 French & Co., Samuel H., 4th & Callowhill (Hard Oil) ..... A  
 Harrison Bros. & Co., 35th (Hard Oil) ..... AAAA  
 Lucas & Co., Jno., 322 Race (Floor) ..... AAA  
 Nice, Eugene E., 272 S. 2d (Floor) ..... A  
 Shoemaker & Co., Robert, 4th & Race (Wall) .... AA  
**PA.—Reading**  
 Wilhelm Co., A. (Hard Oil) AA  
**VT.—Chester Depot**  
 American Soapstone Finish Co. (Wall) ..... F

**FIR**

See Lumber

**FIRE ARMS**

**CONN.—Cromwell**  
 Stevens Co., J. & E. (Toy; Paper Caps; Pistols) AAAA  
**CONN.—Derby**  
 United States Rapid Fire Gun & Powder Co. .... AA  
**CONN.—Hartford**  
 Colts' Arms Co. (Automatic; Revolving; Breech Loading; Military Repeating; Shooting Match Rifles;

**FIRE ARMS (Con.)**

Derringer Pistols; Revolvers) ..... AAAA  
 Gatling Gun Co. (Gatling Guns) ..... X  
**CONN.—Meriden**  
 Parker Bros. (Shot; Breach Loading; Hammerless Guns) ..... AAAA  
**CONN.—New Britain**  
 Landers, Frary & Clark (Toy; Paper Cap Pistols) AAA  
**CONN.—New Haven**  
 Marlin Fire Arms Co. (Pistols; Repeating Rifles; Shot Guns; Revolvers) AA  
 Snow, L. T. (Cannon) .... D  
 Winchester Repeating Arms Co. (Shot Guns; Rifles; Revolvers; Breach Loading; Hammerless; Repeating; Military; Sporting Rifles) ..... AAAA  
**CONN.—Norwich**  
 Crescent Fire Arms Co. (Rifles; Guns, &c.) .... C  
 Davenport Fire Arms Co. (Rifles; Guns, &c.) .... A  
 Hopkins & Allen Arms Co. (Rifles; Guns; Revolvers; Pistols) ..... AAA  
**CONN.—Rockfall**  
 Smith, Otis A. (Revolvers; Pistols) ..... B  
**MASS.—Chicopee Falls**  
 Stevens Arms & Tool Co., J. (Rifles) ..... AAA  
**MASS.—Assonet**  
 Davis & Sons, N. R. (Hammerless Shot Guns) .... B  
**MASS.—Chicopee**  
 Ames Sword Co. (Revolvers; Pistols) ..... B  
**MASS.—Chicopee Falls**  
 Stevens Arms & Tool Co. (Rifles; Revolvers; Pistols) ..... AAA  
**MASS.—Fitchburg**  
 Johnson Arms & Cycle Wks., Iver (Shot Guns; Pistols; Revolvers) ..... AA  
**MASS.—Hatfield**  
 Shattuck, C. S. (Shot Guns) D  
**MASS.—Springfield**  
 Bradley Co., Milton (Toy Guns; Pistols) ..... A  
 Smith & Wesson (Hammerless Revolvers) ..... AAAA  
**MASS.—Worcester**  
 Harrington & Richardson Arms Co. (Guns; Pistols; Revolvers) ..... A  
**MICH.—Northville**  
 Dubuar Mfg. Co., J. A. (Air Rifles) ..... F  
**MICH.—Plymouth**  
 Daisy Mfg. Co. (Air Rifles) B  
 Hamilton Rifle Co. (Air Rifles) ..... C  
 Markham Air Rifle Co. (Air Rifles) ..... B  
**N. H.—Keene**  
 Wilkins Toy Co. (Top; Paper Cap Pistols) .. AAA  
**N. Y.—Batavia**  
 Baker Gun & Forging Co. (Rifles; Guns, &c.) .... A  
**N. Y.—Fulton**  
 Hunter Arms Co. (Shot Guns) ..... AA  
**N. Y.—Herkimer**  
 Quackenbush, H. M. (Pocket; Safety; Bicycle) .... A  
**N. Y.—Ilion**  
 Atlas Gun Co. (Air Rifles) D  
 Remington Arms Co. (Derringer Pistols; Shot; Breach Loading Guns; Repeating; Military; Shooting Match; Spanish; Sporting Rifles) ..... AAA  
**N. Y.—Ithaca**  
 Ithaca Gun Co. (Shot; Breach Loading Guns) .. B  
**N. Y.—Syracuse**  
 Syracuse Arms Co. (Shot; Hammerless) ..... B

**FIRE ARMS (Con.)**

**N. Y.—Utica**  
Savage Arms Co. (Rifles)..A  
**OHIO—Dayton**  
Requarth Co., F. A. (Guns  
for Drill Purposes) ....B  
**OHIO—Toledo**  
Union Fire Arms Co. (Shot  
Guns) .....B  
**PA.—Hazleton**  
Koenig, M. F. (Toy Guns)..X  
**PA.—Philadelphia**  
Cramp & Sons, Wm.  
(Driggs-Schroeder Guns)  
AAAA  
Schoenhut & Co., A. (Drill;  
Toy) .....A  
**PA.—South Bethlehem**  
Bethlehem Iron Co. (Can-  
non) .....AAAA  
**R.I.—Pawtucket**  
Bliss Mfg. Co. (Toy Guns;  
Pistols) .....AAAA

**FIRE  
CRACKERS**

See Fireworks

**FIREPLACES**

**KY.—Louisville**  
Peerless Mfg. Co. ....AA  
**MASS.—Cambridge**  
Hall & Co., Chas. E.  
(Soapstone) .....A  
**N. Y.—Brooklyn**  
Hecla Iron Works .....AA  
**New York City**  
Bradley & Hubbard Mfg.  
Co., 21 Barclay (Brass)  
AAAA  
Manhattan Brass Co., 332  
E. 28th (Brass) .....A  
Janesch, F. G. (Est.), 750  
E. 84th (Brass) .....C  
Judd Co., H. L., 87 Cham-  
bers (Brass) .....AA  
Union Equipment & Brass  
Co., 514 W. 36th (Brass)  
B

**PA.—Philadelphia**  
Harrison's Sons, W. H....E

**FIREPROOFING**See also Terra Cotta; Ex-  
panded Metal Asbestos;  
etc.

**CAL.—San Francisco**  
Gladding, McBean & Co.  
(Porous Terra Cotta)..AA  
Western Expanded Metal  
Co. (Expanded Metal)..A  
**ILL.—Chicago**  
Illinois Terra Cotta Lumber  
Co., The Rookery, (Porous  
Terra Cotta) .....AA  
Imperial Expanded Metal  
Co., Monadnock Blk. (Ex-  
panded Metal) .....D  
Mackolite Fire Proofing Co.,  
Schiller Bldg. (Plastic).B  
Northwestern Expanded  
Metal Co., Old Colony  
Bldg. (Expanded Metal) B

Pioneer Fire Proofing Co.,  
204 Dearborn (Porous  
Terra Cotta) .....AA

**ILL.—Rock Island**  
Lewis Roofing Co. (Plastic)  
B

**IND.—Terre Haute**  
Vigo Clay Co. (Clay)....B

**MASS.—Boston**  
Amer. Fire Proofing Co.,  
166 Devonshire (Sala-  
mander) .....D

Eastern Expanded Metal  
Co., 101 Tremont (Ex-  
panded Metal) .....A

**MO.—St. Louis**  
Parker & Russell Mining &  
Mfg. Co. (Porous Terra  
Cotta) .....AAAA

St. Louis Expanded Metal  
Fireproofing Co. (Expanded  
Metal) .....B

**N. J.—Boonton**

**FIREPROOFING (Con.)**

Lincoln Iron Wks. (Hang-  
ers; Iron) .....B  
**N. Y.—Buffalo**  
Buffalo Expanded Metal  
Co. (Expanded Metal)..B  
**New York City**  
Am. Wood Fire Proofing Co.  
156 Fifth Av. (Wood)..B  
Electric Fire Proofing Co.,  
19th & E. R. (Wood)..B  
Fireproofline Mfg. Co., 66  
Beaver (Wood) .....X  
Maurer & Son, Henry, 420  
E. 23d (Porous Terra Cot-  
ta) .....AA  
Metropolitan Fire Proofing  
Co., 13 Burling Slip (Plas-  
tic) .....D  
**OHIO—Delaware**  
Delaware Fire Proofing Co.  
(Porous Terra Cotta)..B  
**OHIO—Haydenville**  
Haydenville Co. (Porous  
Terra Cotta) .....A  
**PA.—Philadelphia**  
Merritt & Co., 1024 Ridge  
Av. (Expanded Metal)..D  
**PA.—Pittsburg**  
Natl. Fire Proofing Co.  
(Porous Terra Cotta)  
AAAA

**FIREWORKS**

**CAL.—San Francisco**  
Calif. Fireworks Co. of San  
Fran., 219 Front .....C  
Mack, Simon, 119 Bush  
(Japanese) .....A  
**CONN.—Hartford**  
Aetna Pyrotechnic Co....X  
**MINN.—Minneapolis**  
Paris Murton Co. ....B  
**New York City**  
Champion & Standinger, 124  
Pearl (Firecrackers)....A  
Cons. Fireworks Co. of  
America, 9 Park Pl..AA  
Detwille & Street Fireworks  
Mfg. Co., 172 Fulton...A  
Koster & Co., C. H., Park  
Pl. ....C  
Lloyd, T., 22 Park Pl..C  
Nordlinger, J. D., 143 W.  
Bdway. ....AA  
Pain Mfg. Co., 12 Park Pl.  
D

**N. Y.—Rochester**  
Rochester Fireworks Co..B

**OHIO—Cincinnati**  
Due Fireworks Co., A. L..C

**PA.—Philadelphia**  
Miller & Son Co., Geo., 255  
S. 3d .....AA

**VA.—Petersburg**  
Romaine Fireworks Co.,  
Chas. N. ....D

**FISH  
(PRESERVED)**

See also Canned Goods

**CAL.—Benicia**  
Carquinez Packing Co. (Sal-  
mon) .....A

**CAL.—Black Diamond**  
Sacramento River Packing  
Assn. (Salmon).....C

**CAL.—Los Angeles**  
Calif. Fish Co. ....A

**CAL.—Requa**  
Klawath Packing & Trading  
Co. (Salmon) .....C

**CAL.—San Diego**  
San Diego Fish Co.  
(Smoked) .....B

**CAL.—San Francisco**  
Alaska Codfish Co., 17 Davis  
(Salt; Smoked; Dried)..A

Alaska Packers' Assn. (Sal-  
mon) .....AAAA

Alaska Salmon Co. (Salmon)  
B

Alaska Salmon Assn. (Sal-  
mon) .....A

Bristol Packing Co. (Sal-  
mon) .....A

**FISH (Con.)**

Carquinez Packing Co. (Salmon) .....A  
 Gets Bros. & Co., 111 Calif. (Salt; Smoked; Salmon) .....AAAA  
 Gibbs-Wilson Packing Co. (Salmon) .....B  
 Griffith-Durney Co. (Salmon) .....A  
 Hume & Co., R. D. (Salt; Smoked; Canned) .....A  
 Hume & Co., Geo. (Salmon) .....AAAA  
 Klawarth Pack. & Trading Co. (Salmon) .....A  
 Lynde & Hough Co., 40 Calif. (Salt; Smoked; Salmon) .....A  
 McCollam Fish & Trading Co., 24 Calif. (Salt; Smoked) .....A  
 Naknek Packing Co. (Salmon) .....A  
 No. Alaska Packing Co. ....AA  
 No. Pac. Trading & Packing Co. (Salmon) .....A  
 Paladini, A., 520 Merchant (Salt; Smoked) .....B  
 Red Salmon Canning Co. (Salmon) .....A  
 Sac. River Packers' Assn. (Salmon) .....A  
 Schlegel & Co., P., 326 Front (Salt; Smoked; Caviar) .....C  
 Union Fish Co., 24 Calif. (Salt; Smoked) .....C  
 Willand Bros., 12 Clay (Dr.; Salt; Canned) ....A  
**CAL.—Vallejo**  
 Gibbs-Chambers Packing Co. (Salmon) .....B  
**COLO.—Denver**  
 Haskell & Co., 1625 Market .....B  
**CONN.—New Haven**  
 Bates Co., L. (Salt; Smoked; Cod) .....A  
 Dillon & Douglas (Salt; Smoked) .....A  
**DEL.—Leipsic**  
 Levin Sons, S. H. (Salt), AA  
**D. C.—Washington**  
 Javins & Sons, C. H., 930 C., N. W. (Fresh) .....C  
**FLA.—Punda Garda**  
 Fla. Fish & Produce Co. ....B  
**FLA.—St. Petersburg**  
 Fla. Fish & Ice Co. ....B  
**ILL.—Chicago**  
 Beardsley's Sons, J. W., 34 Wabash Av. (Dried) ....C  
 Boak & Co., R. B., 33 So. Water (Bkrs. Salt; Smoked) .....C  
 Booth & Co., A., 42 River (Salt; Smoked) .....AAAA  
 Schwennesen, H. P., 180 S. Water (Smoked) ....B  
 Thorp & Co., O. A., 215 La Salle Av. (Imptrs.) ....B  
**KY.—Louisville**  
 Herndon-Carter Co., 313 Murrel Ct. (Salt; Smoked) .....C

**MAINE—Bucksport**

Nicholson, T. M. (Salt; Smoked) .....B

**MAINE—Booth Bay Harbor**

Maddocks Packing Co. (Sardines) .....C  
 Pickard Fish Co., L. (Sardines) .....D

**MAINE—Eastport**

Sea Coast Packing Co. (Sardines) .....AAAA

**MAINE—Lubec**

Lubec Sardine Co. (Sardines) .....D

Peacock, R. J. (Sardines) ....D  
 Sea Coast Packing Co. (Sardines) .....AAAA

**MAINE—Machiasport**

Dodge & Bangs (Sardines) .....D

Machiasport Packing Co. (Sardines) .....C

**MAINE—No. Lubec**

Globe Packing Co. (Sar-

**FISH (Con.)**

dines) .....D  
**MAINE—Portland**  
 Portland Packing Co. (Canned) .....AA  
 Twitchell Champlin Co. (Canned) .....AA  
 Webb Co., H. F. (Canned) .....B

**MAINE—Rockland**

Thorndike & Hix (Lobsters; Sardines) .....C

**MAINE—West Fembroke**

Sunset Packing Co. (Sardines) .....D

**MAINE—West Tremont**

Russell & Co., E. T. (Sardines) .....A

**MD.—Baltimore**

Bennett & Co., W. M., 221 South .....C  
 Booth & Co., A., 727 So. Wolfe .....AAAA

Coulehan & Hogan, 118 Coml. (Salt; Smoked) ....C

Geyer & Co., E. C., P. O. Box 404 (Bkrs.) .....C

Huntemuller & Son, H. W., 124 South (Salt; Smoked) .....C

Lawder & Sons, S. M., 2215 Boston .....C

**MD.—Harve de Grace**

Coulehan & Hogan .....C  
 Seneca, S. J. ....A

**MASS.—Boston**

Booth & Co., 12 T Wharf .....AAAA

Caswell, Livermore & Co., 428 Atl. Av. (Salt; Smoked) .....B

Consolidated Weir Co., 3 T Wharf .....B

De Long, Seaman & Co., 156 Milk .....AAA

Dorman Huxford & Co. ....D

Lyon, Dupuy & Co., Carleton Wharf (Salt; Smoked; Corn; Salt; Exp.) ....A

Marston & Co., J. W., 42 Lewis Wharf (Lobsters) .....AA

Phillips & Co., B. F., 20 T Wharf .....C

Pickert Fish Co., New St. (Mack.; Salt; Smoked) ....B

Potter & Wrightington, 60 Coml. (Salt; Smoked) ....A

Russell & Co., E. T., 284 State (Salt; Smoked) ....A

Scandinavian Impg. Co., 498 Coml. ....C

Stratton, Little & Co., 85 Water .....B

**MASS.—Gloucester**

Allen & Co., B. F. (Salt; Smoked) .....C

American Halibut Co. ....B

Ayers & Andrews Co. (Salt; Smoked; Mac.; Cod) ....A

Cunningham & Thompson (Salt; Smoked) .....AA

Davis Bros. (Salt; Smoked; Pickled) .....B

Gloucester Fresh Fish Co. ....A

Jordan, W. H. (Salt; Smoked) .....A

Lane & Bro., Saml. ....B

McDonald, Jerome .....C

N. E. Fish Co. (Salt; Smoked) .....B

Parkhurst & Co., H. ....C

Parsons Co., Wm. ....C

Perkins & Son, Geo. (Salt; Smoked) .....A

Pew & Son, J. (Salt; Smoked) .....AAA

Slade, Gorton & Co. (Salt; Smoked) .....B

Smith & Co., D. B. ....A

Smith & Co., Sylvanus (Salt; Smoked) .....A

Stanwood, Frank (Salt; Smoked; Pickled) ....A

Stanwood & Co. (Salt; Smoked; Cod; Smoked Mack.) .....A

Steele & Co., Geo. (Salt; Smoked) .....C

<b>FISH (Con.)</b>	
Tarr & Co., G. J. (Salt; Smoked) .....	A
Tarr & Bro., J. G. (Salt; Smoked) .....	A
Treat, Leonard A. ....	C
Wouson & Son, W. H. (Salt; Smoked) .....	B
<b>MASS.—Provincetown</b>	
Pickert Fish Co., L. (Salt; Canned) .....	A
<b>MICH.—Au Sable</b>	
Au Sable Fish Co. ....	B
<b>MICH.—Bay Port</b>	
Ballard Fish Co., W. ....	C
Bay Port Fish Co. ....	C
Carpenter, Cook & Co. ....	AAAA
<b>MINN.—Minneapolis</b>	
Preece & Dunham (Bkrs.) ..	B
<b>MO.—Kansas City</b>	
Booth Packing Co., A. ....	AAAA
<b>MO.—St. Louis</b>	
Haase & Sons Fish Co. (Salt; Smoked) .....	A
<b>N. J.—Penns Grove</b>	
Leonard, D. P. (Cavair) ..	G
<b>N. Y.—Albany</b>	
Smith Sons, W. E. (Salt; Smoked) .....	A
Wooster, S. E. (Salt; Smoked) .....	B
<b>N. Y.—Brooklyn</b>	
Gutkes, A. H., 90 Van Dyke (Salt; Smoked) ..	B
Hoag, Werner & Co., 2 Taylor .....	C
Lundy Bros., Sheepshead Bay .....	B
<b>New York City</b>	
Ams, Max, 372 Greenwich (Smoked; Salt; Cavair) ..	AA
Beardsley's Sons, J. W., 476 Greenwich (Salt; Smoked) ..	A
<b>Bowers Co., B. O., 6 Harrison (Sardines) ..</b>	
Ferris & Co., E., 185 Wash. (Salt; Smoked) .....	B
Frye & Co., Jed., 47 Water (Salt; Smoked; Sardines) ..	A
<b>Haaker Co., W., 99 N. Moore (Salt; Smoked) ..</b>	
Hansen & Dickmann, 368 Washn. (Salt; Smoked; Caviar) .....	AA
Harvey & Outerbridge, 11 Bdway. (Com. Salt) ..	AA
Hiscox, John (Est.), 271 Columbus Av. (Salt) ..	B
Job & Co., W. & S., 68 Broad (Expts. Salt) ..	A
Kress & Co., A., 64 Dey (Salt; Caviar) .....	B
La Manna, Azema & Farnan, 397 Washn. (Smoked; Sardines) .....	B
Leber & Meyer, 78 Wall (Com. Salt) .....	A
Lewis & Co., S. W., 24 South (Salt) .....	C
Matlage & Sons, C. F., 335 Greenwich (Salt) ..	AAA
Moos & Co., 171 Duane (Caviar; Sardines) ..	A
Rosenstein Bros. (Inc.), 96 N. Moore (Salt; Smoked; Sardines) .....	AA
Schaefer, J. W., 6 Harrison (Imp. Salt; Sardines) ..	B
Schmidt & Co., S., 152 W. 19th (Salt; Smoked; Caviar) .....	A
Smith, T., 309 Wash. Mkt. (Salt; Smoked) .....	C
Stokes, Thos., 323 Greenwich (Salt; Smoked) ..	A
Storer & Co., S. L., 16 Fulton Mkt. ....	AA
Strohmeyer & Arpe Co., 33 Water (Salt; Smoked; Sardines) .....	A
Woodruff & Co., F., 49 Water (Exp. Salt) .....	C
Woodward & Son, Thos., 44 Front (Com. Salt; ..	
<b>FISH (Con.)</b>	
Smoked) .....	A
<b>N. Y.—Rochester</b>	
Hasselbeck, M. (Herring) ..	B
<b>N. C.—Morehead City</b>	
Watson, C. T. ....	C
<b>OHIO—Cincinnati</b>	
Morgenthau & Son, H., 2d & Walnut (Salt) .....	B
<b>OHIO—Lorain</b>	
Lorain Fish Co. ....	C
<b>OHIO—Sandusky</b>	
Lay Bros. ....	B
Sandusky Fish Co. (Fresh) ..	A
<b>OHIO—Vermillion</b>	
Kishman's Sons .....	C
<b>OREGON—Astoria</b>	
Alaska Fishermens' Packg. Co. (Salmon) .....	B
Booth Packing Co., A. (Salmon) .....	AAAA
Colo. River Packers' Assn. (Salmon) .....	AA
Elmore Packing Co. (Salmon) .....	B
Elmore & Co., S. (Salmon) ..	AA
Kinney, M. J. (Salmon) ..	A
McGowan & Sons, P. J. P. (Salmon) .....	A
Mehalem Packing Co. (Salmon) .....	B
Sanborn & Cutting Co. (Salmon) .....	A
Schmidt & Co., S. (Smoked) ..	A
Tallant-Grant Packing Co. (Salmon) .....	A
<b>OREGON—Empire</b>	
Southern Oregon Co. (Salmon) .....	AA
<b>OREGON—Florence</b>	
Meyer & Kyle (Salmon) ..	A
<b>OREGON—Garibaldi</b>	
Elmore Packing Co. (Salmon) .....	B
<b>OREGON—Nehalem</b>	
Nehalem Packing Co. (Salmon) .....	A
<b>OREGON—Portland</b>	
Alaska Portland Packers' Assn. (Salmon) .....	B
Barnes, F. C. (Salmon) ..	B
Cook Pack. Co., J. W. & V. (Salmon) .....	AA
<b>OREGON—The Dallas</b>	
Seufert Bros. & Co. (Salmon) .....	A
<b>OREGON—Warrendale</b>	
McGowan & Sons, P. J. (Salmon) .....	A
Warren, F. M. (Salmon) ..	A
<b>OREGON—Wedderburn</b>	
Hume, R. D. (Salmon) ..	AA
<b>OREGON—Yaquina</b>	
Barnes, F. C. (Salmon) ..	B
<b>PA.—Erie</b>	
Keystone Fish Co. (Ltd.) (Fresh; Salt; Frozen) ..	B
<b>PA.—Philadelphia</b>	
Booth & Co., A., 13 Dock ..	AAAA
Ernst, B., 2920 N. 6th (Salt; Smoked) .....	B
Howlett, M., 12 Dock (Fresh) .....	A
Levin Sons, S. H., 238 N. Del. Av. (Salt) .....	AA
McCormick & Co., W. H., 19 Del. Av. Fish Mkt. (Fresh) .....	B
Shriver & Co., J. N., 32 N. Del. Av. (Salt; Smoked) .....	A
Warner & Co., C. E., 8 Dock St. Fish Mkt. (Fresh) ..	A
Yost & Co., J. C., 223 N. Water (Salt; Smoked) ..	A
<b>R. I.—Providence</b>	
Midwood's Sons, H. ....	B
<b>VT.—Montpelier</b>	
Corry, F. M. ....	B
<b>VA.—Alexandria</b>	
King & Son, Chas. (Herrings) .....	A
<b>WASH.—Aberdeen</b>	
Gray's Harbor Packing Co. (Salmon) .....	B

**FISH (Con.)**

**WASH.—Anacortes**  
Fidelgo Island Canning Co. A  
Rosario Straits Pack. Co. (Canned) .....C  
**WASH.—Blaine**  
Alaska Packers' Assn. ....AAAA  
Cook Pack. Co., J. W. & W. B  
**WASH.—Brookfield**  
Megler & Co., J. G. (Canned) .....B  
Pacific Packg. & Navigation Co. ....AAAA  
Pillar Rock Packing Co. (Canned) .....B  
**WASH.—Cathlamet**  
Warren, F. M. ....A  
**WASH.—Chinook**  
McGowan & Sons, P. J. (Canned) .....A  
**WASH.—Cosmopolis**  
McGowan Bros. & Megler. B  
**WASH.—Fairhaven**  
Pacific Amer. Fisheries Co. (Canned) .....AA  
**WASH.—Ilwaco**  
Aberdeen Packing Co. (Canned) .....A  
**WASH.—McGowan**  
McGowan & Sons, P. J. ....A  
**WASH.—Fort Angeles**  
Manhattan Packing Co. ....C  
**WASH.—Port Townsend**  
Port Townsend Packing Co. B  
**WASH.—Seattle**  
Chlopeck Fish Co. (Salmon) C  
Kelley-Clarke Co. (Salmon Dirs.) .....A  
Pacific Cold Storage Co. ....AAAA  
Pacific Packg. & Navigation Co. ....AAAA  
San Juan Fish & Packing Co. (Salmon) .....B  
**WASH.—Semiahmoo**  
Alaska Packers' Assn. (Canned) .....AAAA  
**WASH.—South Bend**  
Barnes, F. C. ....B  
McGowan & Seaborg (Canned) .....A  
**WASH.—Tacoma**  
Union Packing Co. (Salmon) A  
**WIS.—Green Bay**  
Hurlburt, Fred. (Salt; Smoked) .....B  
**WIS.—Milwaukee**  
Birkenwald Co., S., 124 Fowler .....A

**FISHERS**

**PA.—Philadelphia**  
Phila. Novelty Mfg. Co. (Automatic) .....D

**FISHING TACKLE**

See also Rods; Reels; Lines etc.

**CONN.—Bristol**  
Horton Mfg. Co. (Steel Rods) .....B  
**CONN.—New Haven**  
Hendryx & Co., A. B. (Reels; Trolling; Bait) A  
**MASS.—Boston**  
Dame, Stoddard & Kendall A  
**MASS.—Montague City**  
Montague City Rod Co. (Rods; Reels) .....A  
**N. Y.—Buffalo**  
Lowe, William T. J. (Artificial; Luminous; Trolling Bait; Flies) .....X  
**New York City**  
Abbey & Imbrie, 18 Vesey (Rods; Reels, etc.) .....C  
Abercrombie & Fitch, 314 B'way (All Kinds) ....B  
Plath & Son, Chas. (Artificial; Trolling; Bait;

**FISH TACKLE (Con.)**

Flies) .....F  
Spaulding & Bros., A. G., 126 Nassau (Rods; Tackle) .....AA  
**N. Y.—Whitehall**  
Buell Co., Jno. T. (Spoons; Spears; Spinners) .....D  
**N. Y.—Utica**  
Clark-Horrocks Co. (Trolling Bait; Rods, etc.) .....A  
**PA.—Philadelphia**  
Shipley, Malcolm A. ....D  
**OHIO—Akron**  
Enterprise Mfg. Co. (Artificial; Luminous; Bait; Devon; Fly; Floats; Hooks; Rods; Reels) .....A  
**VT.—Post Mills**  
Chubb Rod Co. (Rods; Flies, etc.) .....A

**FITTINGS**

See also Pipe

**ALA.—Birmingham**  
Dimmick Pipe Co. (Pipe) AA  
**CAL.—Los Angeles**  
Pacific Clay Mfg. Co. (Drain Pipe; Soil) .....A  
**CAL.—San Francisco**  
Union Iron Wks. (Electrical) .....X  
**CONN.—Branford**  
Malleable Iron Fittings Co. (Malleable Iron; Steam Pipe) .....AA  
**CONN.—Bridgeport**  
Bridgeport Brass Co. (Bicycle Frame; Hall Lamp) AAA  
**CONN.—Hartford**  
Howard & Co., Jno. L. (Railway Car) .....A  
Post & Leager Co. (Automobile) .....B  
**CONN.—Meriden**  
Miller Edward & Co. (Billiard Lamp; Hall Lamp) AAAA  
**CONN.—Middletown**  
Wilcox, Crittenden & Co. (Boat; Wire Rope) ....A  
**CONN.—New Haven**  
Cowler & Co., C. (Automobile) .....A  
Peck Bros. & Co. (Basin; Bath Supply) .....AA  
**CONN.—Norwich**  
Ossawan Mills Co. (Bicycle Guard) .....B  
**ILL.—Chicago**  
Adams & Westlake Co. Ontario (Coach Vestibule; Railway Car) .....AAAA  
Amer. Radiator Co. (Lake & Dearborn) (Steam Pipe H. O. & Distributors) AAAA  
Amer. Spiral Pipe Wks., 1173 S. Paulina (Flanged for Spiral Rivetted Pipe, etc.) .....B  
Beckley-Ralston Co. (Bicycle Frame) .....C  
Carroll Iron Wks., 779 Carroll Av. (Malleable Iron Steam Pipe) .....C  
Clow & Sons, J. B., 344 Franklin (Cast Iron, Drainage; Steam Pipe) AAA  
Crane Co. (Air Brake, Car Heater; Flanged; Greenhouse; Malleable; Cast Iron Steam Pipe also Drain Pipe) .....AAAA  
Davis & Co., Jno., 69 Mich (Cast Iron Steam Pipe) AA  
Elmes Engineering Wks., Chas. F., Fulton & Morgan Hydraulic; Steam) ....A  
Excelsior Steel Furnace Co., 38 W. Monroe (Furnace Pipe) .....A  
Illinois Malleable Iron Co., 30 W. Monroe (Malleable; Cast Iron Steam Pipe; Water Closet; Railing) AAAA  
Kroeschell Bros. Co., 55 Erie

# **FITTINGS (Con.)**

(Cast Iron Steam Pipe)

**A**  
Swadkins, W. F., 143 Ful-  
ton (Flanged; Screwed  
'Eccentric; Spiral')...X  
Turner Brass Wks. (Bicycle  
Guard).....A  
Walker & Ehrman Mfg. Co.  
(Bicycle Frame).....A  
Wolf & Co., Fred. W., 139  
Rees (Ammonia; Ice Ma-  
chine).....AAA  
**ILL.—Decatur**  
Mueller Mfg. Co., H., (Bas-  
in; Water Closet) ..AAA  
**ILL.—Edwardsville**  
Edwardsville Brass Co. (Fine  
Thread) .....B  
**ILL.—Kewanee**  
Western Tube Co. (Car  
Heater; Cross Over;  
Brass; Malleable Iron  
Railway; Cast Iron Steam  
Pipe).....AAA  
**ILL.—Litchfield**  
Litchfield Fdy. & Machine  
Co. (Air Brake; Cast Iron  
Steam Pipe) .....A  
**ILL.—St. Charles**  
Glen Mfg. Co. (Cast Iron;  
Drainage; Greenhouse;  
Grey Iron Steam Pipe)...D  
**ILL.—Sterling**  
Novelty Iron Wks. (Basin) **E**  
**KANS.—Kansas City**  
Riverside Iron Wks. Co.  
(Ammonia) .....A  
**MAINE.—Portland**  
Laughlin Co., Thomas  
(Boat) .....A  
**MASS.—Boston**  
Dalton Ingersoll Co. (Bath  
Supply) .....X  
Durable Wire Rope Co.  
(Wire Rope) .....D  
Harvey, Henry H. (Wire  
Rope) .....D  
Howes Co., S. M. (Furnace) **B**  
National Tube Wks. (Soil  
Pipe) .....AAAA  
Walworth Mfg. Co., 132 Fed-  
eral (Malleable; Cast Iron  
Steam Pipe also Flanged  
Pipe) .....AAAA  
**MASS.—New Bedford**  
New Bedford Boiler & Ma-  
chine Co. (Flanged) ....B  
**MICH.—Detroit**  
Ideal Mfg. Co. (Fine  
Thread) .....A  
Safety Furnace Pipe Co., 13  
E. Atwater (Furnace Pipe) **D**  
**MINN.—St. Paul**  
South Park Fdy. & Machine  
Co. (Cast Iron Steam Pipe) **B**  
**MINN.—Stillwater**  
Stillwater Mfg. Co. (Bowl-  
ing Alley) .....A  
**MO.—St. Louis**  
Leschen & Sons Rope Co., A.  
(Wire Rope; Tramway) **AAAA**  
Nelson Mfg. Co., N. O.  
(Lavatory) .....AAA  
Stockhoff Supply Co., 432 S.  
12th (Furnace Pipe) ....E  
**N. J.—Bellefonte**  
Eastwood Wire Mfg. Co.  
Bronze; Cast Iron Steam  
Pipe) .....AA  
**N. J.—Jersey City**  
Griffing Iron Co., A. A.  
(Cast Iron Steam Pipe) **AA**  
New Jersey Car Spring &  
Rubber Co. (Air Brake,  
Washers, etc.; Basin), AA  
**N. J.—Newark**  
Chase, Edward O. (Lathe) D  
**N. J.—Trenton**  
Stahl, Harry E. (Bicycle  
Frame) .....F  
Trenton Iron Co. (Wire  
Rope) .....A  
**N. Y.—Brooklyn**  
Vosburgh Mfg. Co., W. O.  
(Ltd.) (Gas Fixtures;  
Bath) .....X  
Williams & Co., J. H. (Am-

# **FITTINGS (Con.)**

monia) .....AA  
**N. Y.—Buffalo**  
Crosby Co., (Bicycle) .....A  
Forsyth Mfg. Co. (Bicycle  
Guard; Brake) .....C  
**N. Y.—Canton**  
Rushton, J. H. (Boat) ....F  
**N. Y.—Coxsackie**  
Newbury, J. G. (Steam  
Pipe) .....D  
**N. Y.—Lockhart**  
Amer. District Steam Co.  
(Flanged) .....AAA  
**N. Y.—Newburgh**  
Coldwell-Wilcox Co. (Cast  
Iron Greenhouse)) .....B  
**New York City**  
Brunswick - Balke-Collendor  
Co. (Billiard Lamp) **AAAA**  
Common Sense Metallic  
Packing Mfg. Co. (Ltd.)  
(Valve) .....D  
Crane Co., Wm. M. (Pipe) A  
Creamer & Co., W. G. (Rail-  
way Car) .....A  
Eaton, Cole & Burnham Co.,  
253 Bway. (Malleable Iron  
Steam Pipe) .....AAAA  
Fairbanks Co. (Pipe; Steam) **AAAA**  
Goodyear's India Rubber  
Glove Mfg. Co. (Basin) **AAAA**  
**Hunt Co., C. W. (Mast;**  
Gaff) .....AA  
Jenkins Bros. (Valve) ....A  
Kennedy Valve Mfg. Co.  
(Pipe) .....A  
McNab & Harlin Mfg. Co.  
(Cast Iron Steam Pipe) **AA**  
Manning, Maxwell & Moore  
(Pipe) .....AA  
Mattson Rubber Co.  
(Nursery) .....B  
Meyer-Sniffen Co. (Ltd.)  
(Basin; Bath Supply;  
Lavatory; Sink; Water  
Closet; Drinking Foun-  
tain) .....A  
Mott Iron Wks., J. L. (Bath  
Supply; Lavatory; Sink;  
Drain Pipe; Soil) .....AA  
New Jersey Fdry. & Machine  
Co., 15 Murray (Malleable  
Iron Steam Pipe) .....D  
New York Air Brake Co., 66  
Bway. (Air Brake Equip-  
ment) .....AAAA  
Trageser Steam Copper Wks.  
(Water Closet) .....B  
Watson-Stillman Co., 210 E.  
43d (Hydraulic; Valve;  
High Pressure; Pipe)...AA  
**N. Y.—Towanda**  
Gille Engine & Machine Co.  
(Cast Iron Steam Pipe)...O  
**N. Y.—Troy**  
Curd-Don Co. (Cast Iron  
Steam Pipe) .....A  
**N. Y.—Utica**  
International Heater Co.  
(Furnace) .....AAA  
Miller & Co., Chas. (Flanged  
Pipe; Pipe; Steam) ....AA  
**OHIO—Canton**  
Arctic Machine Co. (Am-  
monia) .....X  
**OHIO—Cincinnati**  
Knecht Co., Victor (Railway  
Car) .....H  
Lunkenheimer Co. (Steam) **AA**  
Triumph Ice Machine Co.,  
610 Baymiller (Steel Am-  
monia; Ice Machine)...A  
Vanduzer Co., E. W.  
(Marine) .....B  
**OHIO—Cleveland**  
Cudell, F. E. (Basin) ....B  
Ohio Brass & Iron Mfg. Co.  
(Basin) .....B  
Strong Carlisle & Hammond  
Co., 61 Frankfort (Steam  
Pipe) .....A  
Universal Skirt Guard Co.  
(Bicycle Guard) .....F  
Van Dorn Iron Wks. Co.  
(Stable) .....AA  
**OHIO—Columbus**  
Kilbourne & Jacobs Mfg. Co.  
(Sink) .....AAAA

## FITTINGS (Con.)

**OHIO**—Dayton  
Dayton Malleable Iron Co.  
(Air Brake Lever Guides,  
etc.) .....AAA  
Kuhns Bros. (Steam Pipe) B  
**OHIO**—Mansfield  
Humphreys Mfg. Co. (Pipe)  
B  
**OHIO**—Shelby  
Shelby Steel Tube Co. (Soil  
Pipe) .....AAAA  
**OHIO**—Toledo  
Perfection Furnace Pipe Co.  
(Furnace Pipe) .....B  
**PA.**—Allegheny  
Carlin's Sons, Thomas (Wire  
Rope) .....A  
**PA.**—Carnegie  
Rome & Co., Geo. (Furnace  
Pipe Ventilating) .....E  
**PA.**—Chester  
Keystone Fire-Proofing Pa-  
per Stock Co. (Plastic)...D  
**PA.**—Erie  
Jarecki Mfg. Co. (Malleable;  
Cast Iron Steam Pipe)  
AAAA  
**PA.**—Mechanicsburg  
Wilcox Mfg. Co., D. (Bicycle  
Frame) .....A  
**PA.**—Middletown  
Amer. Tube & Iron Co.  
(Drain Pipe; Soil)  
AAAA  
**PA.**—Nazareth  
Nazareth Fdy. & Machine  
Co. (Flanged Pipe; Steam;  
Pipe) .....B  
**PA.**—Philadelphia  
Belfield & Co., H., 435 N.  
Broad (Ammonia, Flanged;  
Malleable; Cast Iron Steam  
Pipe) .....AA  
Devlin & Co. Mfg. Co., Thos.  
(Steam Pipe) .....AA  
Flagg & Co., Stanley G.,  
19th & Pa. Av. (Malleable  
Iron Railway; Steam Pipe  
Blast Furnace; Ammonia)  
AAA  
**McCambridge & Co.** (Basin;  
Bath Supply; Lavatory;  
Sink; Railing; Brass)...B  
**Owen & Salter** (Lavatory;  
Water Closet) .....A  
**Pancoast & Co., H. & B.** 245  
S. 3d (Malleable Iron,  
Steam Pipe; Awning  
Frame) .....B  
**Watson & McDaniel Co.**  
(Suction) .....C  
**Wood & Co., R. D.** (Flanged  
Pipe; Pipe) .....AAAA  
**PA.**—Pittsburg  
Bartlett Furnace & Range  
Co., 632 Liberty Av.  
(Furnace Pipe) .....B  
**Kelly & Jones Co.** (Mallea-  
ble; Cast Iron Steam Pipe)  
AA  
**Oil Well Supply Co., 213**  
**Water** (Malleable; Cast  
Iron Steam Pipe) .....AAAA  
**Pittsburg Malleable Iron Co.**  
(Air Brake) .....A  
**Pittsburg Valve Fdy. & Con-**  
**struction Co.** (Gasoline,  
Hydraulic; Pipe) .....AAA  
**Standard Mfg. Co.** (Basin,  
Bath Supply, Lavatory,  
Sink, Water Closet; Soil  
Pipe) .....AA  
**Yagle Fdy. Mach. Co., 400**  
**32d** (Flanged) .....C  
**PA.**—Scranton  
Scranton Button Co. (Insu-  
lating) .....A  
**PA.**—Tamaqua  
Tamaque Mfg. Co. (Mallea-  
ble Iron; Steam Pipe)...B  
**PA.**—Williamsport  
Lalling Pump & Mfg. Co.  
(Cast Iron Steam Pipe)...B  
**Keller Co., E.** (Cast Iron  
Steam Pipe) .....A  
**Williamsport Wire Rope Co.**  
(Wire Rope) .....A  
**PA.**—York  
York Mfg. Co., Ltd. (Am-  
monia) .....AAAA  
**R. I.**—Providence  
Builders Iron Foundry (Cast  
Iron Steam Pipe) .....AA

## FITTINGS (Con.)

**WIS.**—Milwaukee  
Allis Chambers Co. (Am-  
monia) .....AAAA  
Hoffman-Billings Mfg. Co.  
(Malleable; Cast Iron  
Steam Pipe) .....AA  
Hoffman Mfg. Co., B. (Cast  
Iron Steam Pipe) .....A  
League Cycle Wks. (Bicycle  
Frame) .....D  
Vilter Mfg. Co. (Ammonia)  
AA  
**WIS.**—Racine  
Racine Malleable & Wrought  
Iron Co. (Bicycle Frame)  
A

## FIXATIVE

**ILL.**—Chicago  
Dietsgen Co., Eugene ....A  
**New York City**  
F. W. Devoe & C. T. Rey-  
nolds Co. ....AAAA

## FIXTURES

For Bank; Bar; Office, etc.  
See also Furniture

**ALA.**—Birmingham  
Wood, Dickerson & Putnam  
(Wood Office; Bank, etc.)  
B  
**CAL.**—Los Angeles  
Los Angeles Gas & Electric  
Mfg. Co. (Gas; Electric) A  
**CAL.**—San Francisco  
Day & Co., Thos., 725 Mis-  
sion (Gas; Electric) ....A  
Ickelheimer Bros., 20 Geary  
(Gas; Electric) .....B  
**CAL.**—Lincoln  
Gladding McBean & Co.  
(Chimney) .....AA  
**COLO.**—Denver  
Paulson, Jno. P. (Wood Of-  
fice; Bank, etc.) .....B  
**CONN.**—Meriden  
Bradley & Hubbard Mfg. Co.  
(Extension Gas Lamp; Oil  
Chandeliers; Wrought Iron  
Gas; Electric Light; Oil;  
Lamp) .....AAAA  
Meriden Curtain Fixture Co.  
(Window Shade) .....B  
Miller & Co., Edward (Oil;  
Lamp; Chandeliers) AAAA  
Parker Co., Chas. (Oil;  
Lamp; Extension Chan-  
deliers) .....AAA  
**CONN.**—New Britain  
Corbin P. & F. (Blind Auto-  
matic) .....AAAA  
**CONN.**—New Haven  
Burgess, E. A. (Est. of), 67  
Court (Stone Display) ..B  
Dann Bros. & Co. (Butch-  
ers') .....B  
English & Mersick Co. (Lan-  
dan) .....B  
**CONN.**—Norwalk  
Arnold & Co. (Stable) ....C  
Norwich Nickle & Brass Co.  
(Boot & Shoe Display;  
Store; Hatters') .....B  
**CONN.**—Plantville  
Smith & Co., H. D. (Pole)  
A  
**CONN.**—Southington  
Peck, Stow & Wilcox Co.  
(Grindstone) .....AAAA  
**DEL.**—Wilmington  
Garrett, Miller & Co. (Water  
Tight Electrical) .....D  
**ILL.**—Aurora  
Wilcox Mfg. Co. (Grind-  
stone) .....B  
**ILL.**—Chicago  
Adams & Westlake Co.  
(Berth & Car) .....AAAA  
Andrews Co., A. H. (Court  
House; Office; Bank, etc.)  
AA  
Baggot Co., E. (Lighting  
Combination; Electric  
Light; Gas) .....D  
Barbee Wire & Iron Wks.  
(Butchers'; Stable) ....B  
Becker Co., L. A. (& Drug  
Store; Saloon, etc.)....B  
Bender, Julius (& Store) ..C  
Bodach, Chas. (Show Cases)  
C



**FIXTURES (Con.)**

Braun Mfg. Co., David J.,  
135 W. Wash. (Gas; Electric;  
Chandeliers) .....B  
Chicago Gas & Elect. Fixture  
Mfg. Co., 19 S. Jeff. (Gas;  
Electric) .....B  
Edwards Mfg. Co., 21 E.  
Lake (Gas; Electric)....B  
Edwards Mfg. Co., W. S.  
(Lighting Combination  
Gas; Electric) .....A  
Fairbanks, Morse & Co.,  
Franklin & Monroe (Tank)  
AAAA  
Keenan Hyland Mfg. Co. (&  
Office & Bar) .....B  
Law, W. H. (Pullman Bldg.)  
(Gas; Electric) .....C  
Melchior Bros., Furn. Co. (&  
Store) .....C  
Merle & Heaney Mfg. Co.  
(Store; Bar) .....A  
Reveal Co., A. H. (& Office;  
Store, etc.) .....A  
Simonson & Co., R. A. (&  
Office; Store, etc.) .....A  
Ward Co., E. J., 100 Lake  
(Car Window) .....E  
Weiss, Sontag & Co. (&  
Store; Saloon) .....C  
Williamson & Co., R., 54 E.  
Lake (Gas; Electric)....A  
Wilmarth Co., T. W., 261  
Wabash Av. (Gas; Electric)  
.....B  
**ILL.—Decatur**  
Farles Mfg. Co. (Store Display)  
.....A  
**ILL.—Freeport**  
Stover Mfg. Co. (Window  
Shade) .....AA  
**ILL.—Harvey**  
Buda Fdy. & Mfg. Co.  
(Switch) .....AA  
**ILL.—Joliet**  
Hacker & Co. (Office;  
Store) .....C  
**ILL.—Ottawa**  
Sanders Bros., Mfg. Co. (Of-  
fice; Store) .....C  
**ILL.—Quincy**  
Knitted Show Case Co., Jos.  
(Office; Bank, Bar)....A  
Stahl, Geo. H. (Bank; Sa-  
loon) .....B  
**ILL.—St. Charles**  
Crown Electric Mfg. Co.  
(Chandeliers) .....D  
**ILL.—Sterling**  
Novelty Iron Wks. (Chain  
Pump) .....E  
**IND.—Evansville**  
Ellert, C. H. (Boot; Shoe  
Display) .....X  
**IND.—Indianapolis**  
Aetna Cabinet Co. (Bank;  
Office) .....C  
**IOWA—Sioux City**  
Curtis Sash & Door Co. (&  
Bank; Store; Bar) ....AA  
**KY.—Louisville**  
Mansfield & Son, Robt. (Of-  
fice; Store; Bank) .....C  
**MAINE—Bangor**  
Morse & Co. (Office) ....AA  
**MD.—Baltimore**  
Reinte Salmon Co. (Drug;  
Jewelry, etc.) .....C  
Schultz & Co., A. (Light;  
Electric; Gas) .....A  
Walther & Co., 208 W. Fay-  
ette (Gas; Electric) ....B  
**MASS.—Boston**  
Bangs & Co., Chas. H.  
(Store) .....C  
Boston Electric Co., 29 Har-  
rison Av. (Gas; Electric)  
B  
Harvey, Henry H. (Derrick)  
D  
Hollings & Co., R., 93 Sum-  
mer (Gas; Electric) ....B  
Office, Bank, & Library Co.  
(Office) .....B  
**MASS.—Holyoke**  
Barlow Mfg. Co. (Boot; Shoe  
Display) .....E  
**MASS.—Lowell**  
Woods, Sherwood & Co.  
(Toilet Paper) .....E  
**MASS.—Springfield**  
Morgan Envelope Co. (Toilet  
Paper) .....AAAA

**FIXTURES (Con.)**

**MASS.—Worcester**  
Bishop & Co., Jno. W.  
(Bank; Store; Office) ..B  
Wire Goods Co., (Awning  
Blind; Automatic Blind;  
Curtain Rod) .....A  
**MICH.—Belding**  
Belding-Hall Mfg. Co.  
(Butchers') .....AAAA  
**MICH.—Detroit**  
Acme Fancy Wire Wks. (Of-  
fice Wire) .....D  
Barnum Iron Wks., E. T.  
(Stable) .....B  
**MICH.—Flint**  
Lyons, Hugh (Shoe Display)  
F  
Perfection Fixture Co. (Shoe  
Display) .....F  
**MICH.—Northville**  
Dubuar Mfg. Co., J. A. (Ma-  
ple Sugar Making) ....B  
**MINN.—Minneapolis**  
Witte Mfg. Co., J. C. (Of-  
fice) .....C  
**MISS.—Jackson**  
Enoch's Lumber & Mfg. Co.  
(Office; Bank) .....A  
**MO.—Kansas City**  
Kansas City Wire & Iron  
Wks. (Stable) .....A  
**MO.—St. Louis**  
American Roll Paper Co.  
(Toilet Paper) .....B  
Benderscheid Mfg. Co.  
(Office) .....C  
Mechanics Iron Wks., 901 S.  
Ewing Av. (Office) ....F  
Pauk & Sons Mfg. Co., H.  
(Office; Bar) .....A  
Phoenix Planing Mill Co.,  
Spruce & 12th (Office) ..A  
Pleuger & Henger Mfg. Co.,  
11th & Hebert (Grind-  
stone) .....A  
Pruifrock, Wm. (Barbers) A  
N. H.—Manchester  
Campbell, John (Stable) ..H  
N. J.—Boonton  
Lincoln Iron Wks. (Stable)  
B  
N. J.—Bound Brook  
Standard Gas Fixture Co.  
(Gas; Electric) .....C  
N. J.—Burlington  
Stuart & Peterson Co.  
(Stable) .....A  
N. J.—Bridgeton  
Acme Gas Fixture Co. (Gas;  
Electric) .....B  
N. J.—New Brunswick  
New Jersey Lamp & Bronze  
Wks. (Chandeliers) ....AA  
N. J.—Newark  
Heimner Bros. (Bank) ....B  
Searls Mfg. Co. (Toilet  
Paper) .....B  
N. J.—Trenton  
Amer. Lamp & Brass Co.  
(Gas; Electric) .....AA  
N. Y.—Albany  
A. P. W. Paper Co., (Wall  
Paper; Toilet Paper)....A  
N. Y.—Brooklyn  
Hecla Iron Wks. (Wrought  
Iron Gas) .....AA  
Nichols Fixture Mfg. Co.,  
Geo., 56 Boerum (Gas;  
Electric) .....C  
Vosburgh Mfg. Co., W. C.,  
Ltd. (Electric; Gas; Chan-  
deliers) .....X  
N. Y.—Buffalo  
Contractors Plant Mfg. Co.  
(Derrick) .....B  
Noye Mfg. Co., Jno. T.  
(Millstone) .....X  
Shepard & Co., Sidney  
(Creamery) .....AAAA  
Wright & Co., R. G.  
(Grocers) .....AA  
N. Y.—Chichester  
Schwarzwalder, L. A.  
(Bank; Office, etc.; Cabi-  
net Work to order)....A  
N. Y.—Elmira  
Cronk & Carrier Mfg. Co.  
(Grindstone) .....B  
N. Y.—Hillburn  
Ramapo Iron Wks. (Switch)  
AAA

<b>FIXTURES (Con.)</b>	<b>FIXTURES (Con.)</b>
N. Y.—Horsehead	Gas) .....AAAA
Weller Hdw. & Fdy. Co.	N. Y.—Seneca Falls
(Grindstone) .....D	Rumsey & Co. (Chain Pump)
N. Y.—Jamestown	A
Art Metal Construction Co.	N. Y.—Syracuse
(Metallic; Bank; Office)	Edwards Co., O. M. (Car
B	Window) .....D
Fenton Metallic Mfg. Co.	Stearns & Co., E. C. (Stable)
Library; Steel; Bronze;	AA
Office; Banks; Vault) ..A	N. Y.—Utica
New York City	Jones, Frank L. (Creamery)
Ansonia Brass & Copper Co.	O
(Lighting Combination;	Utica Fixture Co. (Gas;
Gas; Oil; Lamp) ...AAAA	Electric) .....C
Brunswick - Balke-Collender	OHIO—Akron
Co. (Bank; Bar; Saloon)	Whitman & Barnes Mfg. Co.
AAAA	(Grindstone) .....AAAA
Caldwell & Co., Edw. F.	OHIO—Bryan
(Gas; Electric) .....C	Bryan Novelty Mfg. Co.
Carey Samuel (Millstone)	(Display) .....F
C	OHIO—Canton
Cassidy & Son Mfg. Co.	Berger Mfg. Co. (Metallic
(Lighting; Combination	Bank; Office) .....AA
Gas; Electric) .....A	Weaver & Sons, Jos. (Of-
Cornell Co., J. B. & J. M.	fice; Bank) .....E
(Metallic; Bank; Office)	OHIO—Cincinnati
AA	Brunswick - Balke-Collender
Farrell Thomas (Butchers')	Co. (Bar; Saloon; Office)
D	AAAA
Fiske Iron Wks., J. W., 39	Cincinnati Butchers Supply
Park Pl. (Stable) .....B	Co. (Butchers') .....A
Frink, I. P., 551 Pearl	Huss Bros. Mfg. Co. (Bar;
(Lighting; Electric School;	Store) .....D
Reflector Chandeliers) AA	Lage Joseph (Grocers) ..G
Gleason Mfg. Co., E. P.	McCassy Bros. (Bar) ....B
(Lighting; Combination;	Triumph Electric Co. (Head-
Electric) .....B	light) .....A
Goetz Mfg. Co., 247 3d Av.	Weir Frog Co. (Switch) ..A
Gas; Electric) .....C	OHIO—Cleveland
Howard & Morse, 45 Fulton	Caster-Alton-Clark Co. (Dis-
(Stable) .....D	play) .....X
Ideen & Co. (Lighting; Elec-	Cleveland Galvanising Wks.
tric; Gas) .....B	(Lightning Rod) .....C
Jackson Co., Wm. H., 29 E.	Cleveland Gas & Elect. Fix-
17th (Wrought Iron Gas)	ture Co. (Gas; Electric) A
A	Cleveland Stone Co. (Grind-
Judd & Co., H. L. (Store	stone) .....AAAA
Display; Pole; Window	Morreau Gas Fixture Mfg.
Shade) .....AA	Co. 276 Huron (Gas; Elec-
Koehn Alfred, 159 W. 29th	tric) .....A
(Wrought Iron Gas) ....E	Selzer, C. A., Euclid Av. &
Kreig & Co., J. K. (Boot;	Erie (Gas; Electric) ...A
Shoe Display; Store) ...B	Taylor & Boggis Fdy. Co.
Lamb, J. & R., 59 Carmine	(Chain Pump) .....AA
(Church Chandeliers) ..D	Tyler, Co., W. S., 1150 St.
McCoy & Co., J. B., 128 W.	Clair (Wrought Iron Gas)
33d (Gas; Electric) ....B	AAAA
Manhattan Brass Co. (Pole)	Van Dorn Iron Wks. (Sta-
A	ble) .....AA
Marschelder Edward (Butch-	OHIO—Dayton
ers) .....B	Obmur's Sons Co., The M.
Mitchell-Vance Co. (Light-	(& Bank; Office) .....A
ing; Combination; Elec-	OHIO—Hamilton
tric; Gas) .....AA	Meyers Mfg. Co., Fred. J.
Mott Iron Wks., J. L.	(Stable) .....B
(Grate; Stable) .....AA	OHIO—Kenton
Newhall, Henry B., Murray	Champlon Iron Co. (Stable)
(Fire Door) .....D	AA
Oxley-Enos Co., 91 7th Av.	OHIO—Ravenna
(Gas; Electric) .....B	Byers Mach. Co., Jno. F.
Palmerbergs Sons, Jos. R.,	(Derrick) .....B
210 Bway. (Boot; Shoe	OHIO—Tiffin
Display; Brass; Window;	Enterprise Mfg. Co. (Bank;
Store Display; Hatters') X	Office; Store) .....E
Plant & Co., L., 432 E. 23d	OHIO—Toledo
(Gas; Electric) .....B	Stevens, B. A. (Bar; Mar-
Porter's Sons Co., Wm.	ket) .....A
(Headlight) .....E	Yesbera Mfg. Co. (Stove) ..
Safety Car Heating & Light-	A
ing Co., 60 Bway. (Car	OHIO—Youngstown
Chandeliers) .....AAA	General Fire Proofing Co.
Wemple Co., Jay C.	(Metallic Bank & Office)
(Window Shade) .....AA	AA
Westervelt, A. B. & W. T.	PA. Allegheny
(Stable) .....B	Carlin's Sons, Thomas (Der-
Williams, Jno., 556 W. 27th	rick) .....A
(Gas; Electric) .....B	PA.—Lanesboro
N. Y.—Rochester	Barnes Mfg. Co. (Derrick) B
Clark Novelty Co. (Head-	PA.—Philadelphia
light; Store Display) ...D	Cox Stove Co., Abram
Hofman Co., John (Office) C	(Grate) .....AAA
Rochester Show Case Wks.	Gaumer & Co., J. L., 19th
(Office; Bar) .....D	& Hamilton (Gas; Elec-
Streeter & Co., N. R. (Tollet	tric) .....A
Paper) .....A	Gebson Gas Fixture Wks.,
Yauman & Erbe Mfg. Co.	1428 Callowhill (Gas;
(Court House; Office;	Electric) .....A
Bank) .....AA	Hall & Garrison Mfg. Co.
N. Y.—Saratoga Springs	(Bank; Bar) .....X
Lawrence, C. W. (Bank) ..B	Horn & Brannen Mfg. Co.
N. Y.—Schenectady	(Electric; Gas) .....AA
General Electric Co. (Light;	Ledig Reinbold, G. (Gas;

**FIXTURES (Con.)**

Electric) .....X  
 Pennsylvania Steel Co.  
 (Switch) .....AAAA  
 Reid Creamery Supply Co.  
 (Creamery) .....A  
 Shaw & C., Geo. W., 1020  
 Walnut (Gas; Electric) B  
 Sulzer & Co., 821 Cherry  
 Gas; Electric) .....B  
 Shackara Mfg. Co., 1806  
 Chestnut (Gas Electric) C  
 Weldon & Kelly, 305 Wood  
 (Gas; Electric) .....B  
**PA.—Pittsburg**  
 Aiken & Co. (Wood; Store,  
 &c.) .....B  
 McKenna Bros. Brass Co.  
 (Display) .....A  
 Pittsburg Brass Mfg. Co.  
 (Oil; Lamp) .....D  
 Pittsburg Lamp Brass Co.  
 Glass Co. (Chandeliers)  
 AAAAA  
 Reineke-Wilson Co., 13  
 Wood (Gas; Electric) .B  
**PA.—Reading**  
 National Brass & Iron Wks.  
 (Chandeliers) .....A  
 Penn Hdw Co. (Grindstone)  
 AA  
**PA.—Wrightsville**  
 Susquehanna Casting Co.  
 (Grindstone) .....AA  
 Wrightsville Hdw. Co.  
 (Grindstone) .....B  
**TENN.—Nashville**  
 Edgefield & Nashville Mfg.  
 Co. (Office; Bank) .....A  
**VT.—Rutland**  
 Lincoln Iron Wks. (Derrick)  
 A  
**W.VA.—Wellsburg**  
 Riverside Glass Wks. (Crys-  
 tal) .....C  
**WIS.—Milwaukee**  
 Northwestern Furniture Co.  
 (Office) .....A  
 Polachek & Bros. Co. (Gas;  
 Electric) .....B  
 Ritter, Louis (Bar; Stove;  
 Office) .....C  
 Willer Mfg. Co. (Bank) .A  
**WIS.—Oshkosh**  
 Brand & Son, R. (Bank; Of-  
 fice; Saloon) .....D  
**WIS.—Sheboygan**  
 Winter Lumber Co., M.  
 (Bank) .....B  
**WIS.—South Milwaukee**  
 Stowell Mfg. & Fdy Co.  
 (Grindstone) .....A

**FLAGONS**

**N. Y.—Brooklyn**  
 New York Stamping Co.  
 (Alcohol) .....A

**FLAGS**

See also Awnings; Tents &  
 Flags

**CAL.—San Francisco**  
 Neville & Co. ....A  
**CONN.—Bridgeport**  
 Ives Mfg. Corp. ....C  
**CONN.—South Manchester**  
 Cheney Bros. (Ltd.) (Silk)  
 AAAAA

**ILL.—Chicago**  
 Carpenter & Co., Geo. B.  
 (Bunting) .....AA  
 Cook & Bros., E. C. (of all  
 nations) .....A  
**MASS.—Boston**  
 Lamprell & Marble .....F  
**MASS.—Fall River**  
 McLellan Chas. P. (Yacht)  
 F

**MICH.—Detroit**  
 Detroit Tent & Awning Co.  
 D

**MO.—St. Louis**  
 Handlan-Buck Mfg. Co.  
 (Metallic also Bunting;  
 Railway, &c.) .....AA  
 Missouri Tent & Awning Co.  
 B

**Zittlosen Mfg. Co.** .....B  
**New York City**  
 Amer. Flag Co. (Embroid-  
 ered; of all nations; Silk;  
 Yacht, &c.) .....A  
 Annin & Co. (Yacht) .....D

**FLAGS (Con.)**

Boyle & Co., Jno. (Em-  
 broidered; Of all nations;  
 Silk; Yacht, &c.) .....AA  
 Coston Signal Co., 7 Water  
 (Burgess; Club; Decorat-  
 ing; International; Ma-  
 rine; Signal) .....X  
 De Graw, Aymar & Co. AA  
 Hemmenway & Sons (Yacht)  
 C  
 Horstman Co., Wm. H. (Of  
 all nations; Silk) .AAAA  
 Joel & Co., J. A., 88 Nassau  
 (Boat) .....C  
 Koster Co., C. H. (Embroid-  
 ered; Of all Nations; Silk;  
 Yacht) .....A  
 Lamb J. & R. (Embroidered;  
 Silk) .....D  
 McHugh Jno. F. (Est) .C  
**N. Y.—Rochester**  
 Pulver Co., F. F. (Celluloid)  
 B

**OHIO—Cincinnati**  
 Beck & Sons Co., Wm. ....C  
 Palton & Co., R. J. (Rail-  
 way; Signal, &c.) .....C  
 Petibone Bros. Mfg. Co. ....A  
**OHIO—Columbus**  
 Lilley Co., M. C. (Bunt-  
 ing; Silk) .....AAAA  
**OHIO—Easton**  
 Amer. Flag Mfg. Co. (Rail-  
 way; Signal; Bunting;  
 Silk) .....C

**FLANGERS**

**ILL.—Chicago**  
 Board-Crosby Co., 175 S.  
 Clinton (Automatic) ....X  
**IND.—Indianapolis**  
 Barry Saw Co. (Shingle  
 Saw) .....C  
**PA.—Ridgway**  
 Russel Car & Snow Plow Co.  
 D

**FLANGES**

**ILL.—Chicago**  
 Ryerson & Son, Jos. I.  
 (Forged Steel) .....AAAA  
 Sundberg Co., J. A., Kinzie  
 & Carpenter (Boiler) ....C  
**ILL.—Decatur**  
 Muller Mfg. Co., H. (Water  
 Closet Floor) .....AAA  
**ILL.—St. Charles**  
 Glenn Mfg. Co. (Tapped  
 Floor; Ceiling) .....D  
**MASS.—Worcester**  
 Dwyer Machine Co. (Glass  
 Tube) .....F  
 Worcester Ferrule & Mfg.  
 Co. (Floor; Ceiling) ....C  
**MO.—St. Louis**  
 Nelson Mfg. Co., N. O. (Clo-  
 set Floor) .....AAA  
**N.Y.—New York City**  
 Good Mfg. Co., 88 Lincoln  
 Av. (Brass) .....B  
**N.Y.—Seneca Falls**  
 Climax Specialty Co. (Clo-  
 set) .....B

**PA.—Millersburg**  
 Millersburg Fifth Wheel Co.  
 (Forged Steel for Distil-  
 leries) .....D

**PA.—Philadelphia**  
 Belfield & Co., H. (Cast;  
 Malleable Iron) .....AA  
 Latrobe Steel Co., Girard  
 Bldg (Soft Steel Weldless  
 for high pressure) .AAAA

**PA.—Pittsburg**  
 Riter-Conley Co. (Pressed  
 Weldless Steel) .....AAA

**PA.—Williamsport**  
 Keeler & Co., E. (Pressed  
 Steel; Weldless Steel) .A

**WIS.—Milwaukee**  
 Pressed Steel Tank Co.  
 (Weldless Steel) .....B  
**WIS.—Kencsha**  
 Frost Mfg. Co. (Brass) ....B

**FLANNELS &****FLANELETTES**

See Woolen Goods & Cotton  
 Goods

## FLAPPERS

CONN.—New Haven  
Cowles & Co. (Carriage) ..A  
English & Mersick Co. (Carriage) .....B

## FLAPS

CONN.—New Britain  
Corbin P. & F. (Shutter)....AAAA  
Stanley Wks. (Shuter).....AAAA  
CONN.—Stanford  
Yale & Towne Mfg. Co. (Shutter) .....AAAA  
ILL.—Chicago  
Braunmoeller & Son, Henry (Shutter) .....B

## FLASHES

ILL.—Chicago  
Reynolds Electric Flash Co., 221 5th Av. (Electric Sign) .....F  
Reynolds Electric Flash Co., Adams (Electric Sign) ..O  
N. J.—Newark  
Elect. Motor & Equipment Co. (Electric Sign).....C  
OHIO—Toledo  
Bissell Co., F. (Electric Sign) .....A  
R. I.—Providence  
Hamblen Co., Jno. A. (Electric Sign) .....X

## FLASKS

See also Bottles

CONN.—New Haven  
Ideal Mfg. Co. (Powder) B  
CONN.—Waterbury  
Waterbury Brass Co. (Powder) .....AAAA  
ILL.—Harvey  
Whiting Fdy Equipment Co. (Molders') .....AA  
IND.—Richmond  
Diamond Clamp & Flask Co. (Molders'; Floor).....D  
IOWA—Dubuque  
Adams Co. (Molders')....A  
N. J.—Newark  
Brass Founders Supply Co. (Foundry) .....E  
N. Y.—Albany  
Hoy & Co. (Tin) .....A  
N. Y.—Buffalo  
Buffalo Dental Mfg. Co. (Dental) .....B  
Shepard & Co., Sidney (Tin) .....AAAA  
New York City  
Consolidated Dental Mfg. Co. (Dental) .....B  
Spalding & Bros., A. G. (Inc.) (Powder)....AAAA  
OHIO—Cincinnati  
Hill & Griffith Co.....D  
Obermayer Co., S. (Molders'; Snap).....AA  
OHIO—Cleveland  
Smith Fdy Supply Co., J. D., 40 S. Water (Molders'; Snap) .....D  
OHIO—Lowellville  
Meehan Boiler & Locomotive Co. (Steel).....B  
PA.—Harrisburg  
Harrisburg Pipe Bending Co. (Ammonia; Carbonic Acid) .....AAA  
PA.—Philadelphia  
Johnson & Lund (Dental) ..AA  
Paxson Co., J. W., 1021 Del Av. (Molders').....AA  
Rozenblatt & Co., H. M., 1025 Vine (Pocket)....A  
Sibley Gideon (Dental) ..AA  
White Dental Mfg. Co., S. S. (Dental) .....AAAA  
TEXAS—Dallas  
Cunningham I. C. (Foundry) H

## FLAX

KY.—Covington  
Overman & Schrader Cordage

## FLAX (Con.)

Co. (Hemp).....AA  
MASS.—Boston  
Boston Excelsior Co. (Trow) A  
MASS.—Melrose  
Chesterton Co., A. W. (Square) .....A  
MICH.—Yale  
Livingston Flax Co., Jos. (Hackled) .....O  
MINN.—Heron Lake  
Minnesota Fabric Co. (Spinning; Upholstery) .....D  
N. Y.—Palmyra  
Crandall Packing Co.....D  
OHIO—Ashland  
Ashland Flax Mill Co. (Upholstery) .....E  
OHIO—Dayton  
Payne & Co.....B

## FLESHERS

N. H.—Bennington  
Kimball & Co., O. J. (Tanners') .....D  
PA.—Philadelphia  
Horn & Bros., Wm. H. (Tanners') .....B  
PA.—Pittsburg  
Amer. Axe & Tool Co. (Tanners') .....AAAA

## FLIES

See Fish Tackle

## FLINT

CONN.—New Milford  
Bridgeport Wood Finishing Co. ....AA  
MD.—Conowingo  
Hartford County Flint Co. (Ground) .....X  
N. Y.—Bedford  
Kinkels Son, P. H. (Crude) X  
N. Y.—Brooklyn  
Wiarda & Co., Jno. O. (Ground) .....AA  
PA.—York  
York Chemical Wks. (Crushed) .....A

## FLITTERS

New York City  
F. W. Devoe & C. T. Raynolds Co. ....AAAA

## FLOATERS

N. J.—Salem  
Ayars Machine Co. (Can).B

## FLOATS

Fish Tackle

CONN.—Hartford  
Jones Co., O. H. (Glass) ..O  
CONN.—Naugatuck  
Naugatuck Mfg. Co. (Seamless Copper; Copper Ball) K  
ILL.—Chicago  
Chicago Cork Wks. Co., 167 Plymouth (Cork) .....F  
ILL.—Evanston  
Mark Mfg. Co. (Copper Tank) .....AA  
IND.—Kokomo  
Great Western Pottery Co. (Crockery) .....AA  
KY.—Louisville  
Kentucky Wagon Mfg. Co. (Cotton) .....AAAA  
MASS.—Boston  
Boston Brass Co., 36 Oliver (Copper) .....O  
MASS.—Haydenville  
Haydenville Co. (Copper), A  
MASS.—Springfield  
Hercules Float Wks. (Seamless Copper) .....D  
MICH.—Detroit  
Diamond Sample Ware Co. (Copper) .....A  
Ireland & Matthews Mfg. Co. (Copper; Zink for

**FLOATS (Con.)**

Tanks) .....A  
**MICH.**—Kalamazoo  
 Smith & Pomeroy Windmill  
 Co. (Copper).....B  
**MICH.**—Muskegon  
 Heap & Son, Wm (Glass).D  
**MICH.**—Sturgis  
 Miller, Hubbard Mfg. Co.  
 (Copper).....B  
**MINN.**—St. Paul  
 Union Brass & Metal Mfg.  
 Co. (Copper).....A  
**MO.**—St. Louis  
 Nelson Mfg. Co., N. O.  
 (Copper).....AAA  
**N. J.**—Elizabeth  
 Standard Sanitary Pottery  
 Co. (Crockery).....X  
**N. J.**—Newark  
 Sacks Iron Fdy, Louis  
 (Counter).....A  
**N. J.**—Trenton  
 Bellmark Pottery Co. (Crock-  
 ery).....B  
 Maddock & Son, Jno. (Crock-  
 ery).....A  
 Trenton Potteries Co.  
 (Crockery).....AAA  
**N. Y.**—Brooklyn  
 Burr John M., 1939 Fulton  
 (Glass).....F  
 New York City  
 McNab & Harlin Mfg. Co.,  
 56 John (Copper) Ball..  
 AAA  
 Page Wm. E., E. 166th &  
 Walton Av. (Copper)..F  
 Ronalds & Johnson Co.,  
 54 Cliff (Copper)....AA  
 Steeger Henry, 143 E. 31st  
 (Copper).....A  
 Trageser Steam & Copper  
 Wks., Jno., 447 W. 26th  
 (Copper).....B  
**N. Y.**—Stome  
 Wilson Mfg. Co., R. M.  
 (Copper).....B  
**OHIO**—Cincinnati  
 Douglas Co., Jno., 900  
 Poplar (Copper).....A  
 Pfau Mfg. Co. (Copper)....B  
**OHIO**—Cleveland  
 Cleveland Faucet Co., 25  
 Frankfort (Copper) AAAA  
 Reliance Gauge Column Co.,  
 70 E. Prospect (Seamless  
 Copper).....D  
**PA.**—Philadelphia  
 Blessing C. A., 516 Mont-  
 gomery Av. (Copper)....AA  
 Boekel & Co., Wm., 518 Vine  
 (Copper Tank).....A  
 Watson & McDaniel Co.  
 (Copper for Steam Taps) C

**FLOCKS**

**CONN.**—Rochville  
 Regan Mfg. Co., J. J....AA  
**CONN.**—Somerville  
 Somerville Mfg. Co. ....AA  
**CONN.**—Stafford  
 Smith & Cooley.....B  
**MASS.**—Boston  
 Gray & Co., T. H .....D  
**MASS.**—Shirley  
 Gould Mfg. Co.....F  
**PA.**—Chester  
 Bower's Sons, Jas. (Ltd.), B

**FLOCONNES**

**MAINE**—Lisbon Falls  
 Worumbo Mfg. Co.....AAA

**FLOORING**

See Lumber

**FLOORS**

See also Tile; Carpet; Wood

**CAL.**—San Francisco  
 Bateman Wm., 835 Folsom  
 (Parquet).....E  
 Bush & Mallett Co., 828  
 Post (Parquet).....C  
 Inlaid Floor Co. (Parquet)  
 D  
**ILL.**—Chicago  
 Aitchison Perfoated Metal  
 Co. (Drying).....X

**FLOORS (Con.)**

Barbee Wire & Iron Wks.  
 (Malt Kiln).....B  
 Chicago Floor Co., 151 Wa-  
 bash Av. (Parquet)....E  
 Cooley Wm. H., 1160 Cly-  
 born (Parquet).....C  
 Dunfee & Co., J., 104 Frankl-  
 in (Parquet).....B  
 Moore & Co., E. B. (Par-  
 quet).....B  
 Wolf Co., Fred. W. (Malt  
 Kiln).....AAA  
**IND.**—Indianapolis  
 Gall, Albert, 17 W. Wash'n  
 (Parquet).....B  
 Interior Hardwood Co. (Par-  
 quet).....A  
**IND.**—New Albany  
 Wood Mosaic Flooring Co.  
 (Wood Mosaic) .....AA  
**MASS.**—Boston  
 Adams R. F., 24 Bromfield  
 (Parquet).....F  
 Allen, Hull & Co., 834 Boyl-  
 ston (Parquet).....C  
 Day & Co., Wm J., 46 Canal  
 (Parquet).....D  
**MASS.**—Clinton  
 Clinton Wire Cloth Co. (Malt  
 Kiln; Wire Cloth)....AAA  
**MASS.**—Worcester  
 Wright Wire Co. (Malt Kiln;  
 Wire Cloth).....AA  
**MICH.**—Detroit  
 Michigan Wire & Cloth Co.  
 Malt Kiln; Wire Cloth)..  
 AA  
**MINN.**—St. Paul  
 Dumphy W. C., 116 W. 3d  
 (Parquet).....H  
**MO.**—St. Louis  
 Asphalt Roofing Co. (As-  
 phalt Mastic).....X  
 Herr Floor Co., 1203 Olive  
 (Parquet).....D  
 Ludlow-Saylor Wire Co.  
 (Wire Cloth).....AA  
**N. H.**—Milford  
 Pierce & Co., W. E. (Wood  
 Block).....D  
**N. Y.**—Albany  
 Skinner & Arnold Co. (Malt  
 Kiln).....C  
**N. Y.**—Buffalo  
 Churchyard Jos. J. (Parquet)  
 X  
**N. Y.**—Carthage  
 Carthage Lumber Co. (Par-  
 quet).....B  
 New York City  
 Amer. Parquetry Co., 3 E.  
 42nd (Parquet).....E  
 Boynton & Van Winkle,  
 186 5th Av. (Parquet)..D  
 Buttle Parquet Floor Co.,  
 38 W. 27th (Parquet)..D  
 Howard & Morse (Malt Kiln;  
 Wire Cloth).....D  
 Maurer & Son, H. V., 420  
 E. 23d (Fire-Proof Hollow)  
 AA  
 Roebbing's Sons Co., Jno. A.  
 Malt Kiln; Wire Cloth), B  
 Sicilian Asphalt Paving Co.,  
 Times Bldg. (Malt Kiln)  
 A  
 Wilson Mfg. Co., Jas. G.  
 (Wood Block).....A  
**N. Y.**—Rochester  
 Wood Mosaic Flooring Co.  
 (Parquet, Wood Mosaic)  
 AA  
**OHIO**—Cincinnati  
 Schreiber & Sons Co., L. 8th  
 & Eggleston Av. (Malt  
 Knill).....AA  
**OHIO**—Cleveland  
 Cleveland Hardwood Floor  
 Co., Colonial Arcade (Par-  
 quet).....F  
 Garry Iron & Steel Co. (Fire  
 Proof).....A  
**OHIO**—Norwalk  
 Boswick-Goodell Co. (Par-  
 quet).....C  
**OHIO**—Toledo  
 Schillinger Bros. Co., 412  
 City Park Av. (Malt Kiln)  
 C  
**OHIO**—Youngstown  
 Youngstown Iron & Steel  
 Roofing Co. (Fire Proof;  
 Bridge).....AA

**FLOORS (Con.)**

**PA.—Philadelphia**  
 Amer. Parquetry Floor Co.,  
 143 S. 13th (Parquet)...C  
 Heaton & Wood (Mosaic;  
 Parquet) .....D  
 Phoenix Bridge Co. (Iron) A  
 Wood & Co., R. D. (Iron)  
 AAAAA

**PA.—Pittsburg**  
 Star Encaustic Tile Co.  
 (Tile) .....B  
**WIS.—Milwaukee**  
 Am. Monolith Co. (Hospital;  
 Sanitary; Fire Proof)...E  
 Toepper & Sons, 88 Meno-  
 monee (Malt Kiln) .....B

**FLORENTINES**

See Silk Goods

**FLOSS**

See also Silk Goods

**CONN.—New London**  
 Brainerd & Armstrong Co.  
 (Silk) .....AAA  
**CONN.—Winsted**  
 Winsted Silk Co. (Silk)...A  
**MASS.—Florence**  
 Nonotuck Silk Co. (Silk)....  
 AAAAA

**MASS.—Holyoke**  
 Skinner Mfg. Co., Wm.  
 (Silk) .....AA  
**MICH.—Belding**  
 Belding Bros & Co. (Silk)  
 AAAAA

**PA.—Bethlehem**  
 Bethlehem Silk Co. (Silk)  
 AA

**FLOUR:  
WHEAT**

Numbers following names  
 indicate approximately  
 the daily output in bbls.  
 For Rice Flour, see next  
 Heading; For Buckwheat  
 & Pancake Flour, see  
 Cereals; See also Dust  
 etc. for Marble Flour

**ARK.—Little Rock**  
 Little Rock Mill & Elevator  
 Co. (1000) .....D  
**CAL.—Fresno**  
 Sperry Flour Co. (700) AAAAA  
**CAL.—Hollister**  
 Alliance Mill Co. (500)....G  
**CAL.—Los Angeles**  
 Capitol Milling Co. (50) AA  
 Los Angeles Farming &  
 Milling Co. ....AAAA  
 Sperry Flour Mills (600)....  
 AAAAA

**CAL.—Paso Robles**  
 Southern Pacific Milling Co.  
 (300) .....A  
**CAL.—Sacramento**  
 Phoenix Milling Co. (700)...A  
**CAL.—Salinas**  
 Sperry Flour Co. (700)....  
 AAAAA

**CAL.—San Francisco**  
 Port Costa Milling Co.  
 (2500) .....AAA  
 Southern Pacific Milling Co.  
 (300) .....A  
**CAL.—Stockton**  
 Farmers' Union & Milling  
 Co. (1,000) .....AA  
 Sperry Milling Co. (1500)..  
 AAAAA  
 Stockton Milling Co. (2000)  
 A

**CAL.—Vallejo..**  
 Port Costa Milling Co.  
 (2000) .....AAA  
**COLO.—Denver**  
 Crescent Mill & Elevator Co.  
 (400) .....A  
**COLO.—La Mar**  
 La Mar Milling & Elevator  
 Co. (500) .....A  
**COLO.—Longmont**  
 Longmont Flour Milling Co.  
 (500) .....AAAA  
**DEL.—Wilmington**  
 Lea Milling Co. (2,500)....R

**FLOUR (Con.)**

**GA.—Atlanta**  
 Atlanta Milling Co. (1500)  
 A

**GA.—Augusta**  
 Clark Milling Co. (300)...C  
**GA.—Cartersville**  
 Etowah Milling Co. (850)...B  
**GA.—Columbus**  
 City Mills Co. (500).....A  
**GA.—Dalton**  
 Barrett, Denton & Lynn  
 (800) .....A  
 No. Ga. Milling Co. (2000)  
 C

**GA.—Rome**  
 Rome Milling Co. (800) ...D  
**ILL.—Alton**  
 Alton Roller Milling Co.  
 (300) .....B  
 Sparks Milling Co. (1500)  
 A

**ILL.—Danvers**  
 Stanard Milling Co., E. O.  
 (1500) .....AA  
**ILL.—Bellevue**  
 Crown Milling Co. (800)...A  
**ILL.—Bloomington**  
 Hungarian Roller Mills  
 (400) .....A  
**ILL.—Cairo**  
 Halliday Milling Co., H. L.  
 (800) .....AA  
**ILL.—Carlyle**  
 Carlyle Mill & Grain Co.  
 (300) .....B  
**ILL.—Chicago**  
 American Cereal Co. (2400)  
 AAAAA  
 Eckart & Swan Milling Co.  
 (1000) .....AAA  
 Norton & Co. (2000).....A  
 Northern Milling Co. (2000)  
 A

**ILL.—Great Western Cereal Co.**  
 (1250) .....AAAA  
**ILL.—Star & Crescent Milling Co.**  
 (1500) .....AA  
**ILL.—Collinsville**  
 Tiedeman Chas Milling Co.  
 (300) .....B  
**ILL.—Columbia**  
 Columbia Star Milling Co.  
 (500) .....C  
**ILL.—Decatur**  
 Decatur Milling Co. (400) A  
 Shellabarger Mill & Elevator  
 Co. (1000) .....A  
**ILL.—Du Quoin**  
 Du Quoin Mill Co. (300)..C  
**ILL.—East St. Louis**  
 Hazel Milling Co. (500)...A  
 Kehlor Milling Co. (8000)..  
 AAAAA

**ILL.—Golden**  
 Emminga H. H. (300)...B  
**ILL.—Highland**  
 Highland Milling Co. (500)  
 B

**ILL.—Jacksonville**  
 Fitzsimmons-Kreider Mill-  
 ing Co. (300) .....A  
**ILL.—Lincoln**  
 Gordon Mill & Grain Co.  
 (400) .....B  
**ILL.—Lockport**  
 Norton & Co. (2000).....A  
**ILL.—Marine**  
 Valler & Spies Milling Co.  
 (350) .....C  
**ILL.—Murphysboro**  
 Southern Ill. Milling & Ele-  
 vator Co. (400) .....A  
**ILL.—Nashville**  
 Camp Spring Mill Co. (1000)  
 A

**ILL.—Huegely Milling Co.** (450) A  
**ILL.—New Athens**  
 New Athens Milling Co.  
 (300) .....B  
**ILL.—O'Fallon**  
 Tiedeman, Chas. (400) B  
**ILL.—Pickneyville**  
 Pickneyville Milling Co.  
 (500) .....A  
**ILL.—Quincy**  
 Dick Bros. Milling Co. (300)  
 A

**ILL.—St. Jacob**  
 St. Jacob Enterprise Mill Co.  
 (300) .....C  
**ILL.—Teutopolis**  
 Uptmor & Slemmer (800) ..B  
**ILL.—Warsaw**  
 Warsaw Milling Co. (350) B

**FLOUR (Con.)**  
**ILL.—Waterloo**  
 Koenigsmark, T. (400) ...A  
**IND.—Evansville**  
 Aiken-Erskine Milling Co. (350) .....D  
 Inglehart Bros. (350) .....B  
 Melrose Milling Co. (600) A  
 Phoenix Flour Mill (350) B  
**IND.—Goshen**  
 Goshen Milling Co. (700) B  
**IND.—Greensburg**  
 Garland Milling Co. (300) D  
**IND.—Indianapolis**  
 Acme Milling Co. (2500) ..A  
 Blanton Milling Co. (500) B  
**IND.—Jeffersonville**  
 Gathright, R. O. (300) ...A  
**IND.—Lawrenceburg**  
 Lawrenceburg Roller Mills (1800) .....B  
**IND.—Madison**  
 Trow Co., W. (1000) .....A  
**IND.—Mt. Vernon**  
 Fuhrer-Ford Milling Co. (300) .....B  
**IND.—Noblesville**  
 Noblesville Milling Co. (1000) .....AA  
**IND.—Peru**  
 Peru Milling Co. (300) ...A  
**IND.—Princeton**  
 Moore Milling Co. (400) A  
 Witherspoon & Barr Co. (400) .....A  
**IND.—Seymour**  
 Blish Milling Co. (1000) ..A  
**IND.—Terre Haute**  
 Kidder, Willard (1000) ...A  
 Paddock, Wm. & Co. (350) B  
**IND.—Vincennes**  
 Emission, J. & S. (600) AA  
**IOWA—Alton**  
 Alton Milling Co. (400) B  
**IOWA—Cedar Falls**  
 Waterloo & Cedar Falls Union Mill Co. (600) AA  
**IOWA—Davenport**  
 Phoenix Milling Co. (600) A  
 Riverside Milling Co. (500) B  
**IOWA—Des Moines**  
 Shannon & Mott Co. (300) C  
**IOWA—Keokuk**  
 Gate City Milling Co. (300) C  
**IOWA—Le Mars**  
 Plymouth Milling Co. (500) B  
**IOWA—Sioux City**  
 Mystic Milling Co. (800) C  
**IOWA—Waterloo**  
 Waterloo & Cedar Falls Union Mill Co. (600) AA  
**KANS.—Atfleene**  
 Security Milling Co. (350) C  
**KANS.—Arkansas City**  
 New Era Milling Co. (600) C  
**KANS.—Atchison**  
 Blair Milling Co. (400) ..A  
 Cain Mill Co. (800) .....A  
 Lukens Milling Co. (1400) A  
**KANS.—Burlington**  
 Wilson & Son (300) ....B  
**KANS.—Clay Center**  
 Snell Mill & Elevator Co. (300) .....B  
 Williamson, F. L. & Co. (300) .....A  
**KANS.—Coffeyville**  
 Grisham-Kiddro Milling Co. (500) .....C  
 McGrew Milling Co. (600) B  
 Rea-Patterson Milling Co. (800) .....B  
**KANS.—Ellsworth**  
 Larkins' Sons (450) .....D  
**KANS.—Ft. Scott**  
 Goodlander Milling Co. (400) B  
**KANS.—Great Bend**  
 Walnut Creek Milling Co. (550) .....A  
**KANS.—Halstead**  
 Halstead Milling & Elevator Co. (400) .....C  
**KANS.—Hays City**  
 Yost Milling Co. (1000) ..B  
**KANS.—Junction City**  
 Hogan, Thomas F. (300) ..H  
**KANS.—Kansas City**  
 Rex Mills (5000) .....AAAA

**FLOUR (Con.)**  
**KANS.—Lawrence**  
 Bowersock Milling Co. (600) B  
**KANS.—Leavenworth**  
 Kelley & Lysle Milling Co. (1000) .....A  
 Snyder & Cassingham (1000) D  
**KANS.—McPherson**  
 Colburn Bros. (800) .....B  
**KANS.—Manhattan**  
 Manhattan Milling Co. (500) .....D  
**KANS.—Marysville**  
 Hutchinson, Perry (300) ..A  
**KANS.—Moundridge**  
 Moundridge Milling Co. (300) .....B  
**KANS.—Newton**  
 Newton Milling & Elevator Co. (800) .....A  
**KANS.—Olathe**  
 Olathe Milling & Elevator Co. (300) .....B  
**KANS.—Oawego**  
 Pearl Roller Mills Co. (500) B  
**KANS.—Rosedale**  
 Arms & Kidder (700) ...B  
**KANS.—Salina**  
 Lee-Warren Milling Co. (400) .....B  
**KANS.—Stafford**  
 Stafford Milling & Elevator Co. (1000) .....C  
**KANS.—Topeka**  
 Crosby Roller Milling Co. (1000) .....A  
 Inter Ocean Mills (800) ..A  
 Mid-Continent Mills (700) ..A  
 Shawnee Milling Co. (300) B  
 Topeka Milling Co. (700) ..A  
 Willis, Norton & Co. (1000) .....A  
**KANS.—Wellington**  
 Hunter Milling Co. (700) ..A  
 Kramer Bros. (500) .....A  
**KANS.—Wichita**  
 Imboden Milling Co. (350) C  
**KANS.—Winfield**  
 Alexander Milling Co. (300) C  
 Baden Produce Co., J. P. (650) .....C  
 Clarkson Milling Co. (300) O  
**KY.—Frankfort**  
 Miles Milling Co., J. E. (500) .....C  
**KY.—Hopkinsville**  
 Acme Mills Co. (350) ....D  
 Crescent Milling Co. (300)  
**KY.—Lexington**  
 Lexington Roller Mills Co. (600) .....A  
**KY.—Louisville**  
 Ballard & Ballard Co. (2000) .....AA  
 Gathright & Co., R. O. (300) .....A  
**MD.—Baltimore**  
 Gambrill Mfg. Co., C. A. (2200) .....AAA  
**MICH.—Adrian**  
 Washington Milling Co. (400) .....C  
**MICH.—Albion**  
 Albion Milling Co. (400) ..B  
**MICH.—Alma**  
 Wright & Co., A. W. (300) AAAAA  
**MICH.—Coldwater**  
 Coombs Milling Co. (1000) B  
**MICH.—Detroit**  
 Scott, David (1600) .....AA  
**MICH.—Dowagiac**  
 Colby Milling Co. (350) ..B  
**MICH.—Grand Rapids**  
 Model Mills (350) .....C  
 Valler City Milling Co. (350) .....G  
 Voigt Milling Co. (900) ...AA  
**MICH.—Greenville**  
 Middleton & Sons, E. (550) A  
**MICH.—Harbor Beach**  
 Huron Milling Co. (365) ..A

**FLOUR (Con.)**

**MICH.**—Holland  
Walsh-De Roo Milling Co.  
(800) .....B  
**MICH.**—Jackson  
Eldred Mill Co. (600).....B  
**MICH.**—Lansing  
Thomas & Bro., F. (550).AA  
**MICH.**—Niles  
Niles Milling Co. (500)...A  
**MICH.**—Saginaw  
Brand & Hardin (800)....B  
Saginaw Milling Co. (822)  
B  
**MICH.**—Sherman  
Masqueston & Co. (640)..H  
**MICH.**—Tecumseh  
Heck, C. H. (516).....F  
**MICH.**—Three Rivers  
Harris Milling Co. (420)..C  
**MINN.**—Albert Lea  
Albert Lea Milling Co. (300)  
B  
**MINN.**—Anoka  
Pillsbury-Washburn Flour  
Mills Co. (1300)...AAAA  
**MINN.**—Appleton  
Jennison Co., W. J. (800), O  
**MINN.**—Cannon Falls  
Goodhue Mill Co. (500)...C  
**MINN.**—Duluth  
Duluth Universal Milling  
Co. (800) .....B  
**MINN.**—Eden Valley  
Nerlien, Ludwig L. (350).C  
**MINN.**—Elizabeth  
Freeman Mill Co., A. A.  
(300) .....D  
**MINN.**—Elk River  
Elk River Milling Co. (300)  
C  
**MINN.**—Faribault  
Sheffield-King Milling Co.  
(2000) .....AA  
**MINN.**—Fergus Falls  
Fergus Flour Mills Co.  
(400) .....B  
**MINN.**—Hastings  
Carter Seymour (1100)...O  
**MINN.**—Jordan  
King & Co., H. H. (400).C  
**MINN.**—Janesville  
Jennison Bros. Co. (700, 4A  
**MINN.**—Lake Charles  
Tennant & Hoyt (500)...D  
**MINN.**—Lake Crystal  
Graff Bros. Milling Co.  
(300) .....D  
**MINN.**—Little Falls  
Minnesota Mill Co. (500).C  
**MINN.**—Madelia  
Christensen Co., C. S. (500)  
C  
**MINN.**—Mankato  
Hubbard Milling Co. (1200)  
B  
**MINN.**—Marshall  
Marshall Milling Co. (400)  
A  
**MINN.**—Melrose  
Melrose Milling Co. (300).B  
**MINN.**—Minneapolis  
Barber Milling Co. (1200).D  
Christian, Geo. C. (1800).B  
Elk Valley Mill Co. (500)  
D  
King & Co., H. H. (400).C  
National Milling Co. (700)  
B  
Nerlien, Ludwig L. (500).C  
Northwestern Consolidated  
Milling Co. (1800)....B  
Phoenix Mill Co. (650)...A  
Pillsbury-Washburn Flour  
Mills Co. (Ltd.) (30,000)  
AAAA  
Russell-Miller Milling Co.  
(1500) .....F  
Sheffield-King Milling Co.  
(2500) .....AA  
Washburn-Crosby Co.  
(25,000) .....AAAA  
**MINN.**—Montevideo  
Montevideo Roller Mill Co.  
(400) .....A  
**MINN.**—Montgomery  
Quirk Milling Co., Jas.  
(600) .....A  
**MINN.**—Morton  
Morton Merchants' Milling  
Co. (500) .....B

**FLOUR (Con.)**

**MINN.**—New Prague  
New Prague Mills Co.  
(2000) .....O  
**MINN.**—New Richland  
Everett Aughenbaugh & Co.  
(300) .....AA  
**MINN.**—New Ulm  
Eagle Roller Mill Co.  
(2500) .....AA  
New Ulm Roller Mill Co.  
(500) .....C  
**MINN.**—Osakis  
Osakis Milling Co. (400).D  
**MINN.**—Red Lake Falls  
Red Lake Falls Milling Co.  
(500) .....B  
**MINN.**—Red Wing  
Simmons Milling Co. (1200)  
B  
**MINN.**—St. Cloud  
Carter, Wesley & Co. (700)  
O  
Tilleston Milling Co., Geo.  
(1000) .....A  
**MINN.**—St. Peter  
Sackett & Fay (350)...A  
**MINN.**—Shakopee  
Christian & Co., L. (900).A  
**MINN.**—Sleepy Eye  
Sleepy Eye Milling Co.  
(1500) .....A  
**MINN.**—Springfield  
Springfield Roller Mill Co.  
(300) .....A  
**MINN.**—Wabasha  
Wabasha Roller Mill Co.  
(800) .....B  
**MINN.**—Waseca  
Everett, Aughenbaugh & Co.  
(700) .....AA  
**MINN.**—Waterville  
Quirk Milling Co., Jas.  
(500) .....A  
**MINN.**—Wells  
Zatzenbach Milling Co., W.  
H. (400) .....B  
**MINN.**—Winnebago  
Parker, Leland Mill Co.  
(400) .....D  
**MINN.**—Winona  
Bay State Milling Co.  
(1500) .....A  
**MO.**—Boonville  
Sombart Milling & Merc.  
Co. (300) .....A  
**MO.**—Carthage  
Cowgill & Hill Milling Co.  
(500) .....A  
**MO.**—Clinton  
Bernheimer Milling & Merc.  
Co., M. (600) .....B  
**MO.**—Hannibal  
Carter, Shepard & Co. (500)  
O  
Hannibal Milling Co. (600)  
B  
Pindell Bros. & Co. (500).B  
**MO.**—Higginsville  
Higginsville Milling Co.  
(300) .....B  
**MO.**—Independence  
Waggoner-Gates Milling Co.  
(500) .....A  
**MO.**—Jackson  
Cape Co. Milling Co. (1000)  
A  
**MO.**—Jefferson  
Dulle Milling Co., G. H.  
(500) .....A  
**MO.**—Kansas City  
Arms & Kidder (700)...B  
Kansas City Milling Co.  
(800) .....A  
Kelley Milling Co. (2000).X  
Kirk & Co., David B. (1000)  
A  
Zenith Milling Co. (900)...B  
**MO.**—Lexington  
McGrew Milling Co. (500)  
B  
**MO.**—New Haven  
Wolff Milling Co. (300)...B  
**MO.**—Rich Hill  
Flanagan Mills & Elevator  
Co. (400) .....D  
**MO.**—St. Joseph  
Davis Mill & Mfg. Co., R.  
T. (1000) .....A  
Faucett Mill Co., R. H.  
(350) .....B



<i>FLOUR (Con.)</i>		<i>FLOUR (Con.)</i>	
Hauck, Geo. M. (350).....C		N. Y.—Dresden	
MO.—St. Louis		Ferenbaugh, C. H. (300).D	
Bernet-Kraft-Kauffman		N. Y.—Fulton	
Milling Co. (800).....D		Gage & Co., W. G. (500).B	
Bernheimer Milling & Merc.		Gilbert & Nichols (300)...C	
Co., M. (600).....B		N. Y.—Ithaca	
Buss Flour Mills, J. B.		Fall Creek Milling Co.	
(350).....AA		(300).....C	
Camp Spring Mill Co. (1200)		N. Y.—Lockport	
A		Franklin Mills Co. (400)...A	
Carondelet Milling Co. (350)		Thompson Milling Co. (500)	
B		A	
Eggers' Milling Co. (500).A		N. Y.—Moravia	
Engelke & Ferner Mill Co.		Selover Milling Co. (300).B	
(1500).....A		N. Y.—Rochester	
Goddard Flour Co., E. (800)		Chase & Co. (300).....B	
B		Hinds & Co., J. A. (400).A	
Kehler Bros. (8000).AAAA		N. DAK.—Bismark	
Meyer & Sons, Jno. F.		Missouri Valley Milling	
(2000).....AA		Co. (450).....C	
Plant Milling Co., Geo. P.		N. DAK.—Fargo	
(2000).....AAA		Fargo Roller Mill Co. (500)	
Regina Flour Mill Co. (1200)		C	
A		N. DAK.—Grafton	
St. Jacob Enterprise Mill		Leistikow, W. C. (500).AA	
Co. (350).....X		N. DAK.—Grand Forks	
St. Louis Victoria Flour		Diamond Milling Co. (850)	
Mills (1200).....A		B	
Saxony Mills (1000).....B		N. DAK.—Kindred	
Sessinghaus Milling Co.		Rastad & Cresse (350)...D	
(450).....A		N. DAK.—Mandan	
Stanard Milling Co., E. O.		Missouri Valley Milling Co.	
(4000).....AA		(450).....C	
Washburn-Crosby Co		N. DAK.—Valley City	
(25,000).....AAAA		Russell Miller Milling Co.	
MO.—Silkeston		(300).....B	
Bowman-Matthews Milling		OHIO—Akron	
Co. (350).....AAA		American Cereal Co. (2400)	
Greer-Ebert Milling Co.		AAAA	
(500).....B		Great Western Cereal Co.	
MO.—Silver Lake		(1250).....AAAA	
Gelle & Lorenz (300)....A		Colton Bros. (500).....A	
MO.—Springfield		OHIO—Canal Dover	
Eisenmayer Milling Co.		Hardesty Bros. (500)...AA	
(600).....A		OHIO—Chillicothe	
Link Milling Co. (600)...B		Marfield Milling Co. (700)	
Meyer & Sons, J. F. (1000)		D	
AA		OHIO—Cincinnati	
MO.—Warrensburg		Foulds Milling Co. (500).B	
Markward, Isaac (300)....A		OHIO—Circleville	
MO.—Washington		Smith Mill Co. (1000)...A	
Washington Flour Mills Co.		OHIO—Cleveland	
(400).....C		Commercial Milling Co.	
MONT.—Bozeman		(2000).....B	
Story, Nelson & Co. (500)		OHIO—Columbus	
AAA		Hardesty Bros. (500) ...AA	
MONT.—Great Falls		OHIO—Dayton	
Royal Milling Co. (500)...A		Durst Milling Co. (400)...A	
MONT.—Kalspell		OHIO—Hamilton	
Royal Milling Co. (300)...A		Carr Milling Co. (1500)...C	
NEBR.—Crete		Semler Milling Co. (300).C	
Crete Mills (500).....A		OHIO—Kent	
NEBR.—Omaha		Williams Bros. Co. (600)	
Omaha Milling Co. (400)...B		B	
NEBR.—Schuyler		OHIO—Mansfield	
Wells, Abbott & Newman		Hicks-Brown Milling Co.	
(600).....AA		(800).....B	
NEBR.—Verdigris		OHIO—Marietta	
Pavlik Bros. (500).....D		Phoenix Mill Co. (300)...B	
N. Y.—Akron		OHIO—Mount Vernon	
Newman, H. L. & W. C.		Northwestern Elev. & Mill	
(300).....B		Co. (450).....AA	
N. Y.—Baldwinsville		OHIO—Orrville	
Frazee Milling Co., Jas.		Orrville Milling Co. (800).A	
(500).....B		OHIO—Roscoe	
N. Y.—Binghamton		Lee, Edwin S. (300)...B	
Moon & Co., Geo. I. (300).A		OHIO—Shelby	
N. Y.—Brooklyn		Davis Mill Co. (1000)...C	
Fulton Grain & Milling Co.		OHIO—Springfield	
(800).....C		Ansted & Burk Co. (500).A	
N. Y.—Buffalo		OHIO—Spring Valley	
Banner Milling Co. (1000)		Barrett & Son (300)....D	
AA		OHIO—Tiro	
Husted Milling & Elev. Co.		Auburn Milling Co. (300).C	
(500).....A		OHIO—Toledo	
Marine Milling Co. (300)		National Milling Co.	
AA		(4,000).....AA	
Niagara Falls Milling Co.		Northwestern Elev. & Mill	
(2000).....A		Co. (2000).....AA	
Thornton & Chester Milling		Toledo Grain & Milling Co.	
Co. (1000).....AAAA		(350).....B	
Urban Milling Co. (2000).A		OHIO—Troy	
N. Y.—Central Bridge		Allen & Wheeler (350)...AA	
Becker & Co. (300).....C		OHIO—Wauseon	
N. Y.—Cohocton		Lyon, Clement & Greenleaf	
Larrowe Milling Co. (800)		Co. (1,000).....AA	
C		OHIO—Youngstown	
N. Y.—Corning		Baldwin, Homer (400)...A	
Hoyt, S. T. (300).....A		OKLA.—El Reno	
		Canadian Co. Mill & Elev.	

# **FLOUR (Con.)**

Co. (700) ..... B  
**EL RENO** Mill & Elev. Co. (500) ..... B  
**OKLA.—Enid**  
 Enid Mill & Elev. Co. (400) ..... B  
**OKLA.—Kingfisher**  
 Oklahoma Mill Co. (300) ..... C  
**OKLA.—Oklahoma**  
 Acme Milling Co. (400) ..... B  
**OKLA.—Pawhuska**  
 Osage Roller Mills (500) ..... D  
**OKLA.—Perry**  
 Perry Mill Co. (400) ..... A  
**OKLA.—Pond Creek**  
 Pond Creek Mill & Elev. Co. (400) ..... C  
**OREGON—Pendleton**  
 Byers, W. S. (500) ..... A  
**OREGON—Portland**  
 Portland Flouring Mills Co. (750) ..... A  
**OREGON—Salem**  
 Salem Flouring Mills Co. (500) ..... B  
**PA.—Butler**  
 Klingler & Co. (800) ..... A  
**PA.—Erie**  
 Crouch Bros. Co. (800) ..... A  
**PA.—Lewisburg**  
 Buffalo Milling Co. (350) ..... A  
**PA.—Philadelphia**  
 Milbourne Milling Co. (800) ..... A  
**Quaker City Flour Mills**  
 Co. (800) ..... A  
**PA.—Treichlers**  
 Mauser Mill Co. (300) ..... A  
**PA.—Warren**  
 Warren Mills Co. .... AA  
**S. DAK.—Aberdeen**  
 Aberdeen Mill Co. (400) ..... B  
**S. DAK.—Ashton**  
 Christian, Geo. C. (350) ..... C  
**S. DAK.—Redfield**  
 Christian, Geo. C. (500) ..... B  
**S. DAK.—Watertown**  
 Stokes Milling Co., W. H. (800) ..... A  
**TENN.—Chattanooga**  
 Mountain City Mill Co. (1,000) ..... A  
**TENN.—Columbia**  
 Columbia Mill & Elev. Co. (350) ..... B  
**TENN.—Franklin**  
 Lillie Mill Co. (300) ..... B  
**TENN.—Knoxville**  
 Smith & Co., J. Allen (1,000) ..... A  
**TENN.—Lebanon**  
 Farmers' Milling Co. (400) ..... C  
**TENN.—Memphis**  
 Cannon & Yates Co. (1,000) ..... B  
**TENN.—Morristown**  
 Reid Bros. (500) ..... C  
**TENN.—Nashville**  
 Cumberland Mills (2,500) ..... AAA  
 Liberty Mills (3,500) ..... A  
 Model Mills (1,500) ..... A  
**TEXAS—Dallas**  
 New Century Milling Co. (1,000) ..... A  
 Stanard Milling Co., E. O. (2,000) ..... AA  
**TEXAS—Denison**  
 Denison Milling Co. (400) ..... C  
**TEXAS—Denton**  
 Alliance Milling Co. (800) ..... A  
**TEXAS—Fort Worth**  
 Anchor Roller Mills (550) ..... A  
 Cameron Mill & Elev. Co. (2,000) ..... AA  
**TEXAS—Gainesville**  
 Whaley Mill & Elev. Co. (600) ..... A  
**TEXAS—Galveston**  
 Texas Star Flour Mills (850) ..... AA  
**TEXAS—Greenville**  
 Greenville Mill & Elev. Co. (300) ..... C  
**TEXAS—Houston**  
 Thompson Milling Co., T. H. (400) ..... B

# **FLOUR (Con.)**

**TEXAS—New Braunfels**  
 Landa Roller Mills (550) ..... AA  
**TEXAS—San Antonio**  
 Guenther Milling Co. (600) ..... A  
**TEXAS—Sherman**  
 Brennan & Son, J. B. (350) ..... B  
 Diamond Milling Co. (350) ..... B  
**TEXAS—Wichita Falls**  
 Victory Milling Co. (300) ..... D  
 Wichita Mill & Elev. Co. (650) ..... B  
**UTAH—Ogden**  
 Ogden Milling & Elev. Co. (400) ..... A  
**UTAH—Salt Lake City**  
 Inter Mountain Milling Co. (600) ..... B  
**VA.—Lynchburg**  
 Hurt & Son, S. C. (300) ..... A  
**VA.—Norfolk**  
 Daisy Roller Mills (1,200) ..... C  
**VA.—Richmond**  
 Moore, Warner & Co. (700) ..... AA  
**VA.—Staunton**  
 White Star Mills (500) ..... A  
**VA.—Winchester**  
 Baker's Sons, W. B. (300) ..... A  
**WASH.—Davenport**  
 Big Bend Milling Co. (820) ..... B  
**WASH.—Dayton**  
 Portland Flouring Mills Co. (300) ..... A  
**WASH.—Garfield**  
 Tacoma Grain Co. (1,000) ..... A  
**WASH.—Harrington**  
 Harrington Milling Co. (300) ..... C  
**WASH.—Reardon**  
 Washington Grain & Milling Co. (350) ..... D  
**WASH.—Rockford**  
 Sheldon Milling Co. (350) ..... D  
**WASH.—Seattle**  
 Centennial Mill Co. (2,500) ..... AA  
**WASH.—Spokane**  
 Portland Flouring Mill Co. (600) ..... A  
**WASH.—Sprague**  
 Sprague Roller Mill Co. (300) ..... B  
**WASH.—Tacoma**  
 Puget Sound Flouring Mill Co. (1,800) ..... A  
 Tacoma Grain Co. (1,000) ..... A  
**WASH.—Waitsburg**  
 Preston-Parton Milling Co. (350) ..... B  
**WASH.—Wilbur**  
 Columbia River Milling Co. (425) ..... C  
**W. VA.—Parkersburg**  
 Novelty Mills Co. (300) ..... B  
**WIS.—Appleton**  
 Willy & Co. (400) ..... B  
**WIS.—Beloit**  
 Blodgett Milling Co. (300) ..... B  
**WIS.—Berlin**  
 Wright, Stillman & Co. (300) ..... B  
**WIS.—Chippewa Falls**  
 Consolidated Milling Elev. & Power Co. (350) ..... B  
**WIS.—Green Bay**  
 Ebeling, Jno. H. (500) ..... B  
**WIS.—Hortonville**  
 Buchmann Bros. (350) ..... G  
**WIS.—Janesville**  
 Blodgett Milling Co. (500) ..... B  
**WIS.—La Crosse**  
 Listman Mill Co. (3,000) ..... A  
**WIS.—Manitowoc**  
 Schuette, Jno. (300) ..... A  
**WIS.—Milwaukee**  
 Atlas Bread Factory (1,400) ..... C  
 Faist, Kraus & Co. .... A  
 Kern & Sons, Jno. B. (2,500) ..... AA  
 Manegold Milling Co., C.

**FLOUR (Con.)**

(900) .....B  
**WIS.—Neenah**  
 Krueger & Lachman Milling  
 Co. (300) .....B  
**WIS.—Wauwatosa**  
 Wauwatosa Milling, Fuel &  
 Lumber Co. (500) .....F  
**WIS.—West Superior**  
 United States Flour Milling  
 Co. (2,000) .....AAAA

**FLOUR:****RICE**

**CAL.—San Francisco**  
 Del Monte Milling Co. ....A  
**LA.—New Orleans**  
 Talmage, Jno. S. ....A  
 New York City  
 Archibald & Lewis .....C  
 Armstrong, Chas. E. ....D  
 Talmage Sons & Co., Dan. A  
 S. C.—Charleston  
 Talmage, Dan .....A  
 West Point Mill Co. ....A  
**TEXAS.—Beaumont**  
 Weiss-Kyle-McFadden Co. A  
**TEXAS.—Eagle Lake**  
 Eagle Lake Rice Milling  
 Co. ....A

**FLOWERS**

See also Plants & Millinery.

**ILL.—Chicago**  
 Botanical Decorating Co.  
 (Millinery) .....E  
 Nelson, Henry (Artificial;  
 Leaves) .....X  
 Netschert, Carl (Artificial)  
 D  
**N. J.—Jersey City**  
 Dorbandt, Chas. (Paper). H  
 New York City  
 Gerard, S. (Artificial;  
 Leaves) .....D  
 Lindheim & Son, R. (Mil-  
 linery) .....A  
 Neumann, Alvina (Black  
 (Artificial) .....C  
 Schieffelin & Co., 24 E. 4th  
 (Arnica) .....AA  
 Winsburger & Hecht  
 (Millinery) .....AA  
**PA.—Philadelphia**  
 Baxter, Jennie & Lizzie  
 (Artificial; Leaves) ....A  
 Henley's Sons, David (Arti-  
 ficial; Leaves) .....A  
 Thorn Co., J. T., 123 N. 7th  
 (Artificial) .....D

**FLUES**

**IOWA.—Burlington**  
 Murray Iron Wks. Co.  
 (Boiler) .....A  
**MASS.—Boston**  
 Chesterton & Co., A. W.,  
 64 India (Boiler) .....A  
**N. Y.—Brooklyn**  
 Continental Iron Works  
 (Boiler; Corrugated) ..A  
**OHIO.—Cleveland**  
 Cleveland Flue Cleaner Mfg.  
 Co. (Boiler) .....C  
**PA.—New Brighton**  
 Pittsburgh Clay Mfg. Co.  
 (Chimney) .....AAAA  
**PA.—Philadelphia**  
 Pedrick & Ayer Co., 1001  
 Hamilton (Boiler) .....A  
**PA.—Pittsburg**  
 Ritter-Conley Co. (Chimney;  
 Smoke) .....AAA

**FLUIDS**

**CONN.—Westport**  
 Embalmers' Supply Co.  
 (Embalming) .....C  
**MD.—Baltimore**  
 Schultz & Co., A., 1016  
 E. Balto. (Soldering) ...A  
**MASS.—Boston**  
 Egyptian Chemical Co.  
 (Embalming) .....X  
**MASS.—Springfield**  
 Dickinson, Frank W. (Em-

**FLUIDS (Con.)**

balming) .....C  
**MICH.—Grand Rapids**  
 Durfee Embalming Fluid  
 Co. (Embalming) .....B  
 Mills & Lacey Mfg. Co.  
 (Depilating; Embalming)  
 D  
**MO.—Kansas City**  
 Bankers' Ink Co., 116 W.  
 6th (Bankers' Copying;  
 Bankers' Writing) .....D  
**MO.—St. Louis**  
 Hisey & Son, W. S.  
 (Soldering) .....D  
**N. J.—Newark**  
 Schneider, Emil (Jewelers'  
 Soldering) .....E  
**N. Y.—Brooklyn**  
 Seldner & Enquist, Leonard  
 & Richardson (Soldering)  
 F  
**N. Y.—Buffalo**  
 Buffalo Specialty Mfg. Co.  
 (Tire) .....B  
 New York City  
 Callahan & Co., G. W., 218  
 Front (Soldering) .....F  
**OHIO.—Dayton**  
 Fansher Bros. (Bleachings)  
 E  
**OHIO.—Toledo**  
 National Cement & Rubber  
 Mfg. Co. (Enamel Clean-  
 ing) .....C  
**PA.—Philadelphia**  
 Eckels & Co., H. S., 2005  
 Market (Embalming) ...D

**FLUMES**

**ALA.—Birmingham**  
 Southern Bridge Co. ....D  
**CAL.—San Francisco**  
 Risdon Iron & Locomotive  
 Works (Iron; Steel)  
 AAAA  
**OHIO.—Youngstown**  
 Pollock Co., W. B. (Steel)  
 AA  
**PA.—Hanover**  
 Fitz Water Wheel Co.  
 (Iron) .....D  
**PA.—Williamsport**  
 Keeler Co., E. (Steel) ...A

**FLURO-  
SCOPES**

**MASS.—Boston**  
 Swett & Lewis Co., 18  
 Boylston .....E  
**New York City**  
 Edison Phonograph Agency  
 D

**FLUORSPAR**

**OHIO.—Cincinnati**  
 Obermayer Co., S. ....AA  
**PA.—Philadelphia**  
 Lea & Co., J. T. ....A

**FLUSHERS**

**New York City**  
 Reynolds Plumbers Supply  
 Co., M. (Sewer) .....B  
**PA.—Pittsburg**  
 Standard Mfg. Co. (Sewer)  
 AA

**FLUTERS**

See also Machinery

**ILL.—Chicago**  
 Sinclair Co., S. H., 8 S.  
 Canal .....F  
**N. Y.—Buffalo**  
 Shepard Co., Sidney  
 (Hand) .....AAAA  
**New York City**  
 Jones, Thos. W., 18  
 Fletcher .....F  
**N. Y.—Rochester**  
 Streeter Co., W. R. ....A  
**N. Y.—Troy**  
 Troy Laundry Machinery Co.  
 (Ltd.) (Hand) .....AA  
**OHIO.—Cincinnati**  
 Am. Laundry Machinery Co.  
 (Hand) .....AA

**FLUTERS (Con.)**  
 Pease Mfg. Co. ....F  
**PA.—Erie**  
 Lovell Mfg. Co. (Hand).AA  
**PA.—Philadelphia**  
 North Bros. Mfg. Co.  
 (Hand) .....AA

## FLUTES

See Musical Insts.

## FLUX

**COLO.—Denver**  
 Colorado Lime & Fluxing  
 Co. ....D  
**CONN.—New Haven**  
 New Era Lustre Co. (Solder-  
 ing) .....E  
**IND.—Asphaltum**  
 Indian Asphalt Co. (As-  
 phalt) .....B  
**MD.—Baltimore**  
 Baltimore Chemical Co.  
 (Soldering) .....D  
 Schultz & Co., A. (Solder-  
 ing) .....A  
 Sonneborn's Sons, L., 801  
 So. Wolfe (Soldering)..C  
 Thomson Chemical Co.  
 (Soldering) .....B  
**MASS.—Boston**  
 Massachusetts Chemical Co.,  
 170 Summer (Rubber)..A  
**N. J.—Newark**  
 American Oil & Supply Co.  
 (Jewelers') .....B  
**OHIO.—Cleveland**  
 Graseill Chemical Co.  
 (Soldering) .....D  
**OHIO.—Columbus**  
 Franklin Stone Co. (Bes-  
 semer) .....D

## FLYERS

**CONN.—North Windham**  
 Hartson Co., L. M. (Silk).X  
**MASS.—Boston**  
 Riley & Co., C. E., 65  
 Franklin .....A  
**MASS.—Fall River**  
 Thurston & Son, A. G. ....E  
**MASS.—Hopedale**  
 Westcott, A. W. ....F  
**MASS.—Lawrence**  
 Merriman Flyer Wks. ....F  
**MASS.—New Bedford**  
 Baker Machine Co. ....D  
**N. H.—Manchester**  
 Smith Co., J. A. V. ....E  
**N. J.—Paterson**  
 Buckley's Son, B. ....E  
**R. I.—Bridgeton**  
 Hopkins Machine Wks. ....X  
**R. I.—Providence**  
 Providence Machine Co. ....AA

## FOBS

See Jewelry

## FOIL

See also Tinfoil

**CONN.—Hartford**  
 Ney & Co., J. M. (Gold)..C  
**ILL.—Chicago**  
 Hutchinson & Son, W. H.  
 (Tin) .....A  
**MO.—St. Louis**  
 Johnston Tin Foil & Metal  
 Co. (Tin) .....A  
**New York City**  
 Conley Foil Co., 521 W.  
 25th (Tin; Paper-backed)  
 AAA  
 Crooks Co., J. J. (Tin;  
 Gold) .....A  
 Lehmaier, Schwartz & Co.  
 (Tin) .....AA  
 Witteman Bros. (Tin)...AA  
**PA.—Erie**  
 Baker & Adamson Chem.  
 Co. (Copper) .....A  
**PA.—Malvern**  
 Bishop Co., J. (Platinum)  
 D  
**PA.—Philadelphia**

**FOIL (Con.)**  
 Hastings & Co. (Gold).AA  
 Johnson & Lund (Gold).AA  
 White Dental Mfg. Co.  
 (Gold) .....AAAA

## FOLDERS

See also Machinery

**ILL.—Chicago**  
 Rand, McNally & Co. (Inc.)  
 (Railway) .....AAAA  
 Western Bank Note Engrav-  
 Co. (Railway) .....AA  
**MASS.—Boston**  
 Rand-Avery Supply Co.  
 (Railway) .....AA  
**New York City**  
 Am. Bank Note Co. (Rail-  
 way) .....AAAA  
 International Bank Note  
 Co. (Railway) .....B

## FOLIAGE

See also Flowers

**New York City**  
 Campomenosi, P., 542 W.  
 Bdway. (Artificial)....D  
 Neumann, Alvin A., 24 E.  
 4th (Artificial).....C

## FOLIOS

See also Leather Goods

**ILL.—Chicago**  
 Keating Co. (Music).....F  
**MASS.—Foxboro**  
 Fales Folio Co. (Music)..H  
**N. J.—Jersey City**  
 Mehl & C., John (Music)  
 AA

## FOLLOWERS

**MASS.—Taunton**  
 Taunton Locomotive Mfg.  
 Co. (Locomotive) .....A

## FONTS

**MASS.—Stockbridge**  
 Snyder, J. L. (Baptismal)  
 H

## FOOD-ANIMAL ETC

See also Seed; Bird

**FLA.—Lake Mary**  
 Planters Mfg. Co. (Cattle;  
 Horse; Poultry).....A  
**GA.—Sandersville**  
 Sandersville Enterprise Co.  
**ILL.—Chicago**  
 Amer. Cereal Co., Railway  
 Exch. (Cattle; Horse;  
 Poultry) .....AAAA  
 Western Horse & Cattle  
 Food Co., 438 N. Clark  
 (Cattle) .....E  
**ILL.—Quincy**  
 Stahl, Geo. H. (Poultry).B  
**ILL.—Waukegan**  
 Barwell, J. W. (Cattle)..C  
**IOWA.—Allerton**  
 Allerton Caponizer Mfg. Co.  
 (Poultry) .....H  
**KY.—Louisville**  
 Menz Co., G. W. (Bird)..G  
**MASS.—Springfield**  
 Bartlett & Holmes (Horse;  
 Poultry) .....C  
**MICH.—Detroit**  
 Ingram & Co., F. F. (Cattle;  
 Horse; Poultry).....B  
**MINN.—Minneapolis**  
 Amer. Standard Food Co.  
 (Cattle) .....C  
 Chemical Mfg. Co. (Cattle;  
 Horse; Poultry).....F  
**MO.—St. Louis**  
 Stillwagon Food Co. (Cattle;  
 Horse; Poultry).....E  
**NEBR.—Omaha**  
 Sanborn Co., T. E. (Cattle;  
 Horse; Poultry).....C  
**N. H.—Plaistow**  
 Knight's Stock & Poultry

**FOOD (Con.)**

Food Co. (Poultry).....F  
**N. J.—Hoboken**  
 Vanderbilt & Son, J.  
 (Cattle; Horse; Poultry).....D  
**N. Y.—Ransomville**  
 Curtis & Co., W. R.  
 (Poultry).....G  
**OHIO—Newark**  
 Styron, Beggs & Co.  
 (Cattle; Horse).....A  
**OHIO—Piqua**  
 Piqua Paint & Putty Co.  
 (Pearl Poultry).....D  
**OHIO—Tiffin**  
 Capitol Food Co. (Animal).....D  
**PA.—Burlington**  
 Henry Johnson & Lord Co.  
 (Cattle; Horse; Poultry).....D  
**PA.—Philadelphia**  
 Pratt Food Co. (Cattle; Horse, &c.).....A  
**PA.—St. Albans**  
 Capitol Soap & Mfg. Co.  
 (Poultry).....X  
**PA.—York**  
 York Chemical Wks.  
 (Poultry).....A  
**VT.—Brattleboro**  
 Peels Food Co. (Cattle; Horse, &c.).....H  
**VT.—Hyde Park**  
 Page, Carroll S. (Poultry).....A  
**VT.—North Bennington**  
 Henry, B. T. (Poultry).....F

## FOOD-PREPAR- ED, CEREAL, BREAKFAST ETC

**CAL.—Los Angeles**  
 California Cereal Food Co.  
 (Cereals Prep.).....AAA  
 Pacific Pure Food Co.  
 (Prepared).....AAA  
**CAL.—Oakland**  
 Butler Co., Chas. H.  
 (Cereals).....C  
**CAL.—Placerville**  
 Pioneer Milling Co.  
 (Cereals).....AAAA  
**CAL.—Sacramento**  
 Phoenix Milling Co.  
 (Cereals).....A  
 Sperry Flour Co. (Br. San Fran., Cal.) (Cereals).....AAAA  
**CAL.—St. Helena**  
 St. Helena Sanitarium Food Co. (Cereals Prep.).....B  
**CAL.—Salinas City**  
 Sperry Flour Co. (Cereals).....AAAA  
**CAL.—San Francisco**  
 Amer. Milling Co., Battery & Union (Cereals; Cornmeal; Oatmeal).....A  
 Capitol Mills, 114 Sacramento (Cereals; Cornmeal; Oatmeal).....AA  
 Del Monte Milling Co., 400 Front (Cereals; Rolled Oats; Cornmeal; Oatmeal).....A  
 Empire Milling Co., 310 Townsend (Cereals).....B  
 Hinz & Plageman, Mission & Main (Cereals; Hominy; Cornmeal; Oatmeal).....B  
 Sperry Flour Co. (Cereals).....AAAA  
 Stockton Milling Co., 112 Calif. (Cereals).....AA  
**CONN.—Fair Haven**  
 Yankee Crisp Cereal Co. (Cereals).....B  
**CONN.—New Britain**  
 Taco Milling Co. (Cereals).....B  
**CONN.—New Haven**  
 Imperial Granum Co. (Baby Food Prep.).....A  
 Ready Bits Co. (Cereals).....C

**FOOD (Con.)**

**CONN.—South Norwalk**  
 New England Food Co.  
 (Cereals Prep.).....A  
**DEL.—New Castle**  
 Lea & Sons Co., Wm. (Br.)  
 (Cornmeal; Hominy).....AAA  
**DEL.—Wilmington**  
 Lea & Sons Co., Wm. (Cornmeal; Hominy).....AAA  
**FLA.—Jacksonville**  
 Elgin Butter & Pure Food Co. (Prep).....C  
**GA.—Atlanta**  
 Atlanta Milling Co.  
 (Hominy).....A  
 Shewmake & Murphey  
 (Cereals Gds.).....C  
**GA.—Cartersville**  
 Etowah Milling Co.  
 (Hominy).....B  
**ILL.—Bloomington**  
 Hooper & Son, B. T.  
 (Buckwheat).....B  
 McCord, J. C. (Buckwheat).....C  
**ILL.—Carlinville**  
 St. Louis Milling Co.  
 (Cereals).....A  
**ILL.—Chicago**  
 Amer. Cereal Co., Monad.  
 Blk. (Cereals; Cornmeal; Hominy; Oatmeal).....AAAA  
 Amer. Hominy Co. (Cereals).....AAAA  
 Continental Cereal Co., 163 Randolph (Cereals).....B  
 Dickinson Co., A., W. Taylor & The River (Buckwheat).....AA  
 Great Western Cereal Co., 77 Jackson (Cereals; Cornmeal; Hominy; Oatmeal).....AAAA  
 Knoke & Groll (Cereals; Barley).....C  
 Lenfestey Milling Co., J. T., 27 Mich. Av. (Buckwheat; Cereals).....A  
 Martin & Co., 46 S. Water (Oatmeal).....AA  
 Rieser-Livingston Co., 233 Johnson (Buckwheat; Pancake; Flour).....A  
 Reifsnnyder, Warren, 180 Kinzie (Cereals; Cornmeal).....C  
 Van Mills (G. J. Vandehouten, Prop.), 1057 Grand Av. (Buckwheat).....D  
**ILL.—Danville**  
 Amer. Hominy Co. (Hominy).....AAAA  
**ILL.—Decatur**  
 Amer. Hominy Co. (Cereals; Hominy).....AAAA  
 Decatur Cereal Mill Co. (Cornmeal).....C  
 Decatur Milling Co. (Cereals; Cornmeal; Hominy).....A  
 Suffern, Hunt & Co. (Cereals).....A  
**ILL.—Elgin**  
 Elgin Milkline Co. (Milk Food).....B  
**ILL.—Eureka**  
 Dickinson & Co. (Hominy).....C  
**ILL.—Joliet**  
 Great Western Cereal Co. (Br. Chicago.) (Cereals; Oatmeal).....AAAA  
**ILL.—Paris**  
 Kidder & Co., F. L. (Cereals; Hominy; Cornmeal).....B  
**ILL.—Peoria**  
 Donmeyer, Gardner & Co. (Cereals).....A  
 Gift & Sons, J. W. (Cereals).....B  
 Great Western Cereal Co. (Br. Chicago) (Oatmeal).....AAAA  
 Nat'l Cereal Milling Co. (Cereals).....A  
**ILL.—Quincy**  
 Battle Creek Breakfast Food Co. (Cereals).....A  
 Long, E. (Buckwheat).....F

**FOOD (Con.)**

**Pape & Loos** (Buckwheat) G  
**ILL.—Shelton**  
**Bishopp Hominy Co.** (Cereals; Hominy) .....C  
**IND.—Delphi**  
**Great Western Canning Co.** (Hominy) .....C  
**IND.—Goshen**  
**Goshen Milling Co.** (Buckwheat; Cornmeal; Oatmeal) .....B  
**IND.—Ft. Wayne**  
**Mayflower Mills** (Cereals) C  
**IND.—Indianapolis**  
**Amer. Hominy Co.** (Cereals; Hominy) .....AAAA  
**Evans Milling Co.** (Cereals) B  
**Van Camp Pack. Co.**, 600 Ky. Av. (Hominy) ...AA  
**IND.—Lafayette**  
**Geiger Finney Co.** (Pancake Flour) .....C  
**Lafayette Hominy Mills Co.** (Cereals; Hominy) ....B  
**IND.—Mishawaka**  
**Sheppard Cereal Co.** (Cereals) .....AAAA  
**IND.—Montezuma**  
**Nordyke, A. H.** (Montezuma Mills) (Cereals) .AA  
**IND.—Mt. Vernon**  
**Amer. Hominy Co.** (Hominy) .....AAAA  
**IND.—Newport**  
**Newport Milling Co.** (Cornmeal) .....A  
**IND.—Terre Haute**  
**Amer. Hominy Co.** (Cereals; Hominy; Cornmeal) ....AAAA  
**IND.—Vincennes**  
**Emlison & Co., J. & S.** (Cereals; Corn Gds.; Hominy) AA  
**IOWA—Cedar Falls**  
**Great Western Cereal Co.** (Br. Chicago) (Cornmeal; Oatmeal) .....AAAA  
**IOWA—Cedar Rapids**  
**Amer. Cereal Co.** (Oatmeal) White Cereal Co., P. G. (Buckwheat; Cereals) ..C  
**IOWA—Davenport**  
**Crescent Macaroni Co.** (Pancake Flour) .....B  
**National Oatmeal Co.** (Cereals; Oatmeal) ....A  
**IOWA—Ft. Dodge**  
**Great Western Cereal Co.** (Br. Chicago) (Cereals; Oatmeal) .....AAAA  
**Heath & Sons, H. R.** (Pancake Flour) .....A  
**IOWA—Glenwood**  
**New Glenwood Can. Co.** (Hominy) .....C  
**IOWA—Independence**  
**Independence Mills Co.** (Buckwheat) .....C  
**IOWA—Keokuk**  
**Gate City Milling Co.** (Cereals; Prep.; Pancake Flour) .....C  
**Keokuk Cereal Co.** (Cereals) B  
**IOWA—Le Mars**  
**Plymouth Roller Mills** (Buckwheat; Cereals) ..B  
**IOWA—Muscatine**  
**Great Western Cereal Co.** (Br. Chicago) (Cereals; Oatmeal; Prep.) ..AAAA  
**IOWA—Sioux City**  
**Great Western Cereal Co.** (Br. Chicago) (Hominy) AAAA  
**Sioux Milling Co.** (Pancake Flour) .....A  
**IOWA—Waterloo**  
**Great Western Cereal Co.** (Oatmeal) .....AAAA  
**KANS.—Atchison**  
**Blair Milling Co.** (Buckwheat) .....A  
**KANS.—Clay Center**  
**Snell Mill & Elevator Co.** (Cereals; Prepared) ...B

**FOOD (Con.)**

**LA.—New Orleans**  
**New Orleans Cereal Co.**, 509 Conti (Cereals) .....A  
**MD.—Baltimore**  
**Baltimore Pearl Hominy Co.**, 335 McElderry's Wharf. C  
**Lea & Sons Co., Wm. (Br.)** (Cornmeal) .....AAA  
**MD.—Cambridge**  
**Cambridge Mfg. Co.** (Hominy) .....A  
**MD.—Westminster**  
**Smith, Yingling & Co.** (Hominy) .....A  
**MASS.—Boston**  
**Amer. Cereal Co., Chamber of Com.** (Cereals) .AAAA  
**Beardsley's Son's, J. W.**, 131 State (Prepared) .....C  
**Cole & Co., Benj., Jr.**, 46 Com. (Cereals) .....C  
**Great Western Cereal Co., Chamb. of Com.** (Cereals) AAAA  
**Health Food Co.**, 189 Tremont (Cereals; Prep.) ..C  
**Mellins Food Co. of North Amer.**, 291 Atlantic Av. (Infants' Food) ....AA  
**Murdoch Liquid Food Co.**, Huntington Av., cor Grinlow (Prep.) .....C  
**Potter & Wrightington**, 60 Commerce (Cereals) ..AA  
**MASS.—Crookston**  
**Crookston Oatmeal Co.** (Oatmeal) .....AA  
**MASS.—Worcester**  
**Natural Food Co.** (Br. Niagara Falls, N. Y.) (Cereals) .....AAAA  
**MICH.—Ann Arbor**  
**Michigan Milling Co.** (Buckwheat) .....AA  
**MICH.—Battle Creek**  
**Battle Creek Flaked Food Co.** (Cereals; Prepared) .B  
**Battle Creek Sanitarium Food Co.** (Cereals; Prep.) A  
**Cero-Fruto Co. (Ltd.)** (Cereals) .....AAAA  
**Fruit Cereal Health Assn. (Ltd.)** (Cereals; Prep.) C  
**Hibbard Food Co.** (Cereals) AA  
**Korn-Krisp Co.** (Cereals; Prep.) .....B  
**Malta Vito Pure Food Co.** (Cereals; Prep.) .....AA  
**Malt Too Flaked Food Co.** (Cereals; Prep.) .....AA  
**Malted Food Co.** (Cereals; Prep.) .....B  
**Michigan Sanitarium & Benevolent Assn.** (Cereals; Prep.) .....A  
**Norka Food Co. (Ltd.)** (Cereals; Prep.) .....AA  
**Postum Cereal Co. (Ltd.)** (Cereals) .....AAAA  
**Price Cereal Food Co.** (Cereals; Prep.) .....A  
**Real Food Co.** (Cereals) ..B  
**Sanitary My. Food Co.** (Cereals) .....AA  
**Sanitas Nut Food Co.** (Cereals; Prep.) .....C  
**World's Fare Food Co.** (Cereals; Prep.) .....B  
**MICH.—Bay City**  
**Hammond Food Co.** (Cereals) .....B  
**MICH.—Carleton**  
**Kahlbaum, J. E.** (Buckwheat) .....D  
**MICH.—Coldwater**  
**Cream of Oats Co.** (Cereals) .....A  
**MICH.—Detroit**  
**Beck & Sons, J.**, 245 Congress (Cereals; Cornmeal) A  
**Commercial Milling Co.**, 45 Randolph (Cornmeal) ..B  
**Detroit Cereal & Nut Food Co.** (Cereals; Prep.) ....B  
**Manna Cereal Co. (Ltd.)**, 45 Fort E. (Cereals; Prep.) AAA  
**Nutriline Food Co. (Ltd.)**, 422

FOOD (Con.)		FOOD (Con.)	
1300 Gratiot Av. (Cereals; Prep.)	AAA	Amer. Hominy Co. (Cereals; Hominy)	AAAA
Standard Pure Food Co. (Ltd.), 16th & M. C. R. R. (Cereals; Prep.)	AAA	Aunt Sally Mfg. Co. (Cereals)	B
<b>MICH.—Flint</b>		Davis Mill & Mfg. Co., R. T. (Cereals)	A
Flint Cereal Co. (Cereals)	A	Faucett Mill Co., R. H. (Aunt Sally's; Pancake Flour)	B
<b>MICH.—Grand Rapids</b>		<b>MO.—St. Louis</b>	
Globe Food Co. (Cereals)	B	Blanke Tea & Coffee Co., C. F., Clark Av. & 7th (Cereals)	AA
National Pure Food Co. (Ltd.) Cereals; Prep.)	B	Engelke & Fenier Milling Co., 816 B'way (Hominy)	AA
Voigt Cereal Food Co. (Ltd.) (Cereals; Prep.)	A	Flanagan Milling Co., 1911 S. 3rd (Hominy)	A
Watson & Frost (Buckwheat)	C	Gandolfo-Ghio Mfg. Co., 104 S. 8th (Buckwheat)	E
<b>MICH.—Hastings</b>		Great Western Cereal Co., 813 Spruce (Cereals)	AAAA
Hastings Union Food Co. (Ltd.) (Cereals; Prep.)	AA	Imbs Milling Co., J. F., Gay Bldg. (Cereals)	A
<b>MICH.—Holland</b>		Michigan Cereal Co., B'way & Poplar (Cereals)	C
Walsh-De Roo Milling & Cereal Co. (Buckwheat; Cereals; Prepared)	A	Purina Mills, 801 S. 8th (Hominy)	B
<b>MICH.—Jackson</b>		Stoble Cereal Mills, 709 N. 2nd (Buckwheat; Flour; Hominy; Oatmeal)	B
Celery Health Food Co. (Ltd.) (Prepared)	AA	<b>MONT.—Butte</b>	
Crystal Food Co. (Cereals; Prep.)	AAA	Beebe Grain Co. (Cornmeal)	A
<b>MICH.—Kalamazoo</b>		<b>MONT.—Great Falls</b>	
Celery City Food Co. (Cereals)	A	Royal Milling Co. (Cereals)	B
Kalamazoo Pure Food Co. (Prep.)	C	<b>NEBR.—Beatrice</b>	
Meat Substitute Co. (Ltd.) (Cereals)	A	Cummings Milling Co., M. T. (Cereals)	C
Premo Flake Food Co. (Cereals)	B	<b>NEBR.—Chapman</b>	
<b>MICH.—Lake Odessa</b>		Nebr. Central Milling Co. (Cornmeal)	C
Lake Odessa Malted Cereal Co. (Cereals; Prep.)	AA	<b>NEBR.—Columbus</b>	
<b>MICH.—Owosso</b>		Columbus Milling Co. (Buckwheat)	D
Vigor-O-Health Food Co. (Ltd.) (Cereals; Prep.)	AAA	<b>NEBR.—Kearney</b>	
<b>MICH.—Oxford</b>		Roby, F. F. (Buckwheat)	O
Mich. Pure Food Co. (Cereals; Prep.)	B	<b>NEBR.—Milford</b>	
<b>MICH.—Plainwell</b>		Johnson & Co., F. S. (Cereal; Hominy)	AA
Eesley Milling, J. F. (Buckwheat)	O	<b>NEBR.—Nebr. City</b>	
<b>MICH.—Quincy</b>		Great Western Cereal Co. (Br. Chicago, Ill.) (Cereals)	AAAA
McKenzie Cereal Food & Milling Co. (Buckwheat; Prep.)	C	<b>NEBR.—Norfolk</b>	
<b>MICH.—Waldron</b>		Sugar City Cereal Mills (Cereals)	B
Avis Milling Co. (Buckwheat)	E	<b>NEBR.—Schuyler</b>	
<b>MINN.—Lanesboro</b>		Wells, Abbott & Niemans (Cornmeal)	AA
Spillain & Co., D. (Oatmeal)	C	<b>NEBR.—Seward</b>	
<b>MINN.—Minneapolis</b>		Seward Cereal Mills (Flaked Oats; Rolled Oats)	C
Amer. Cereal Co., Corn Exch. (Cereals)	AAAA	<b>N. J.—Matawan</b>	
Great Western Cereal Co. (Cereals; Oatmeal)	AAAA	Amer. Rice, Food & Mfg. Co. (Rice Flakes)	AA
New Occidental Mill Co., 330 S. 1st (Buckwheat)	B	<b>N. J.—Passaic</b>	
Pillsbury-Washburn Flour Co. (Cereals)	AAAA	Amer. Comp. Food Co. (Tablets Prep.)	C
<b>MINN.—St. Francis</b>		<b>N. Y.—Albany</b>	
St. Francis Milling Co. (Buckwheat)	D	Amer. Cereal Co. (Cereal)	AAAA
<b>MINN.—Sleepy Eye</b>		<b>N. Y.—Balston Spa</b>	
Sleepy Eye Milling Co. (Cereals; Prep.)	A	Curtis, Elmer A. (Buckwheat)	D
<b>MINN.—Waseca</b>		<b>N. Y.—Binghamton</b>	
Great Western Cereal Co. (Cereals; Oatmeal)	AAAA	Standard Food Co. (Cereals; Prep.)	A
<b>MO.—Chapman</b>		<b>N. Y.—Buffalo</b>	
Neb. Cent. Milling Co. (Oatmeal)	C	Buffalo Cereal Co., 41 Dun Bldg. (Cereals)	B
<b>MO.—Kansas City</b>		Force Food Co., Mutual Life Bldg. (Cereals)	AA
Amer. Cereal Co., 1220 W. 8th (Cereals)	AAAA	H. O. Co. (The) (E. Elsworth & Co. Prop.), 46 Fulton (Cereals; Oatmeal)	AA
Atlas Oats Co., 1200 W. 8th (Cereals; Oatmeal)	A	Hygienic Food Co. (Ltd.), Fillmore & William (Cereals; Prep.)	B
Continental Cereal Co., 528 Walnut (Cereals)	C	<b>N. Y.—Camillus</b>	
Kansas City Oatmeal & Cereal Co., 8th & Santa Fe (Cereals)	B	Globe Milling Co. (Cereals)	O
Kimball-Fowler Cereal Co., Bd. Trade Bldg. (Cereals)	C	<b>N. Y.—Cattaraugus</b>	
<b>MO.—La Grange</b>		True & Young (Buckwheat)	G
Real Food Co. (Br. Battle Creek, Mich.) (Cereals)	B		
<b>MO.—St. Joseph</b>			

# D (Con.)

**N. Y.—Cobblekill**  
 France Milling Co. (Buck-  
 wheat Flour) .....C  
**N. Y.—Cohocton**  
 Larrowe Milling Co. (Ltd.)  
 (Buckwheat) .....C  
**N. Y.—Cohoes**  
 Rogers & Son, C. (Buck-  
 wheat) .....D  
**N. Y.—Dansville**  
 Hall Cereal Co. (Cereals).B  
 Our House Granula Co.  
 (Prepared) .....C  
**N. Y.—Fishkill Landing**  
 Buffalo Cereal Co. (Cereals)  
 B  
**N. Y.—Geneva**  
 Patent Cereals Co. (Cereals)  
 A  
**N. Y.—Lodi**  
 Townsend, J. C. (Buck-  
 wheat) .....E  
**New York City**  
 Amer. Cereal Co. (Br.), 11  
 B'way (Cereals)...AAAA  
 Beardsley's Sons, J. W., 476  
 Greenwich (Prepared)...A  
 Cook's Flaked Rice Co., 1  
 Union Sq. W. (Cereals)  
 AA  
 Cutting & Co., J. T., 151  
 W. 38th (Cereals; Prep.)  
 C  
**Durkee & Co., E. R., 534**  
 Washington (Cereals).AA  
**Elsworth & Co., E., Prod.**  
 Exch. (Oatmeal; Buck-  
 wheat) .....AA  
**Force Food Co. (E. Elsworth**  
 & Co., Prop.), Prod. Exch.  
 (Cereals) .....AA  
**Great Western Cereal Co.,**  
 90 W. B'way (Cereals)  
 AAAA  
**Harlem River Milling Co.,**  
 227 E. 129th (Hominy).B  
**Hecker's - Jones - Jewell**  
 Milling Co., Prod. Exch.  
 (Buckwheat; Cereals)...  
 AAAA  
**H.-O. Co. (E. Elsworth &**  
 Co., Prop.), Prod. Exch.  
 (Cereals; Oatmeal)...AA  
**Hoyt, A. S., 90 W. B'way**  
 (Cereals) .....B  
**Lea, R., Prod. Exch. (Cer-**  
 eals) .....C  
**Leeming & Co., T., 73 War-**  
 ren (Prep.) .....B  
**Mattie Mitchell Co. (Br.**  
 Cleveland, Ohio), 115 Hud-  
 son (Cereals) .....B  
**Miles & Holman, 115 Hud-**  
 son (Cereals; Prep.) ...A  
**National Oatmeal Co., 105**  
 Hudson (Oatmeal) .....A  
**Plastron Co. of America 118**  
 Broad (Cereals) ....AAA  
**Postum Cereal Co. (Br.**  
 Grand Rapids, Mich), 105  
 Hudson (Cereals; Prep.)  
 AAA  
**Pure Gluten Food Co., 90**  
 W. B'way (Gluten Bread)  
 B  
**Rosenstein Bros. (Inc.), 96**  
 N. Moore (Cereals)...C  
**Wheatena Co., 348 W. 12th**  
 (Cereals; Prep.) .....B  
**N. Y.—Niagara Falls**  
 Natural Food Co. (Cereals;  
 Prep.) .....AAAA  
**N. Y.—Oneonta**  
 Oneonta Milling Co. (Buck-  
 wheat) .....A  
**N. Y.—Penn Yan**  
 Birkett, C. T. (Buckwheat;  
 Cereals) .....A  
**N. Y.—Rochester**  
 Stone Co., H. D. (Cereals)  
 C  
**N. Y.—Summitville**  
 Adams, S. A. (Buckwheat)  
 C  
**N. Y.—Syracuse**  
 Justs Food Co. (Infants)AA  
**N. Y.—Ushers**  
 Anthony, Joshua (Oatmeal)  
 A  
**N. Y.—Watertown**  
 Farwell & Rhines (Cereals;

# FOOD (Con.)

**Breakfast Food) .....B**  
**Herrick & Sons, A. H.**  
 (Buckwheat) .....B  
**N. C.—Asheville**  
 Wheat-Hearts Co. (Cereals)  
 A  
**N. C.—Goldsboro**  
 Carolina Rice Mills .....B  
**N. C.—Wilmington**  
 Boney & Harper (Hominy)  
 B  
**Carolina Rice Mills (Rice**  
 Flakes) .....B  
**OHIO—Akron**  
 Amer. Cereal Co. (Br. Chi-  
 cago, Ill.) (Cereals; Oat-  
 meal) .....AAAA  
**Great Western Cereal Co.**  
 (Br. Chicago, Ill.) (Cer-  
 eals; Oatmeal) ...AAAA  
**Pioneer Cereal Co. (Cereals)**  
 B  
**OHIO—Ashland**  
 Ashland Cereal Co. (Cereals)  
 B  
**OHIO—Bellefontaine**  
 Johnson Co., F. N. (Buck-  
 wheat; Cereals) .....A  
**OHIO—Chillicothe**  
 Standard Cereal Co.  
 (Cereals) .....B  
**OHIO—Cincinnati**  
 Great Western Cereal Co.,  
 1675 Detroit (Cereals)...  
 AAAA  
**Grottlisch Co., Hy., 315**  
 Hunt (Cornmeal) .....B  
**Patterson & Evans, 52**  
 Vine (Hominy) .....B  
**Perlin Bros., 14 E. Front**  
 (Cornmeal) .....C  
**Weidler Co., S. W., 938**  
 W. 6th (Cornmeal; Hom-  
 iny) .....B  
**OHIO—Circleville**  
 Crites Bros. & Co. (Corn-  
 meal) .....A  
**Heffner & Co. (Cornmeal)**  
 O  
**Ohio Cereal Co. (Cereals)...A**  
**Smith Mill Co. (Cornmeal)**  
 A  
**OHIO—Cleveland**  
 Amer. Cereal Co. (Cereals)  
 AAAA  
**Mattie Mitchell Co., 1925**  
 Harvard (Buckwheat;  
 Cornmeal; Cereals) ....B  
**OHIO—Dayton**  
 Dayton Cereal Co. (Cereals)  
 B  
**OHIO—McConnellsville**  
 Elk Eye Milling Co. (Buck-  
 wheat) .....C  
**OHIO—New Bremen**  
 Bakhaus & Kuensel Co.  
 (Buckwheat; Cornmeal).  
 B  
**OHIO—Portsmouth**  
 Portsmouth Cereal Co.  
 (Cereals) .....C  
**OHIO—Ravenna**  
 Amer. Cereal Co. (Oatmeal)  
 AAAA  
**OHIO—Toledo**  
 Amer. Hominy Co. (Hom-  
 iny) .....AAAA  
**Haskell & Co., Wm. H., 136**  
 Neb. Av. (Cereals; Corn-  
 meal; Hominy) .....C  
**Miami Maize Co. (Cereals)**  
 B  
**OHIO—Tuscarawas**  
 Tuscarawas Cereal Co.  
 (Cereals) .....C  
**OHIO—Youngstown**  
 Thomas' Sons, Jno. R. (Cer-  
 eals) .....B  
**OREGON—Hillsboro**  
 Milne, Jno. (Oatmeal) ...B  
**OREGON—Portland**  
 Acme Mills Co. (Cereals).C  
**Albers Bros.' Milling Co.**  
 (Buckwheat; Cornmeal;  
 Hominy; Oatmeal) ....C  
**PA.—Bloomsburg**  
 White Milling Co. (Buck-  
 wheat) .....B  
**PA.—Butler**  
 Klingler & Co., H. J. (Buck-  
 wheat) .....A



**FOOD (Con.)**

Walter & Sons, Geo. (Buckwheat) .....B  
**PA.—Mercer**  
 Mercer Milling & Lumber Co. (Cereals) .....A  
**PA.—Philadelphia**  
 Amer. Cereal Co. (Br.), 105 S. Water (Cereals).....AAAA  
 Barker & Co., 321 N. Front (Oatmeal; Cornmeal; Hominy) .....O  
 Carter & Co., S. R., 33 S. Front (Cereals) .....O  
 Health Food Co., 47 N. 13th (Cereals) .....B  
 Klander, Jno. C. (Est. of), 1900 N. 6th (Cereals; Hominy) .....B  
 Koons, Schwarz & Co. (Cereals) .....A  
 Walker-Gordon Laboratory Co., 1721½ Chestnut (Cereals) .....O  
**PA.—Pittsburg**  
 Great Western Cereal Co. (Cereals) .....AAAA  
**PA.—Wilkesbarre**  
 Miner-Hilliard Milling Co. (Maize Flakes; Flour).....AA  
**PA.—Williamsport**  
 Hopkins Hulled Cereals Co. (Cereals) .....B  
**R. I.—Providence**  
 Reliance Mill Co., 208-16 Dyer (Pancake Flour).....AA  
**S. C.—Charleston**  
 Rohde & Co., D. (Hominy) .....O

**TENN.—Chattanooga**  
 Mountain City Milling Co., 204 King (Hominy) ....A  
**TENN.—Estill Springs**  
 Tennessee Milling Co. (Hominy) .....A  
**TENN.—Nashville**  
 Dixie Pure Food Co. (Cereals) .....C  
 Southern Flaked Food Co. (Cereals; Coffee; Prepared) .....O  
 Spotswood & Co., Geo. W. (Cornmeal; Hominy)....C  
**VT.—Burlington**  
 Malted Cereal Co. (Cereals; Prep.) .....A  
**VA.—Norfolk**  
 Bosman & Lohman (Peanut) .....C  
 Smith Mill Co. (Cornmeal) .....A

**WASH.—Seattle**  
 Centennial Mill Co. (Cornmeal) .....AA  
 Lehman Bros. (Cereals) ..A  
 Seattle Cereal Co. (Cereals; Oatmeal) .....A  
**WASH.—Spokane**  
 Centennial Mill Co. (Br.) (Cereals) .....AA  
**WASH.—Tacoma**  
 Cascade Cereal Co. (Oatmeal) .....B  
**WASH.—Walla Walla**  
 Walla Walla Health Food Co. (Cereals; Prep.)....A  
**WIS.—Beloit**  
 Salmon Cereal Co. (Cereals) .....B

**WIS.—Eagle Point**  
 Eagle Point Roller Mills (G. A. Young & Bro., Props.) (Buckwheat) .....E  
**WIS.—Janesville**  
 Blodgett Milling Co. (Buckwheat) .....B  
**WIS.—Manitowoc**  
 Knapp Malt Food Co. (Prepared) .....B  
**WIS.—Racine**  
 Horlick's Food Co. (Malted Milk) .....A

**FOOTWEAR**

See Boots &amp; Shoes

**FORGES**

**CAL.—San Francisco**  
 Garratt & Co., W. T. (Inc.)

**FORGES (Con.)**

(Portable) .....AA  
**CONN.—Hartford**  
 Billings & Spencer Co. (Portable; for Drop Forging Plants) .....AA  
**CONN.—New Haven**  
 Miner & Peck Mfg. Co. (Blast for Drop Forging Plants) .....X  
**ILL.—Chicago**  
 Chicago Pneumatic Tool Co., Fisher Bldg. (Rivet Heating) .....AAAA  
 Chicago Scale Co., 292 W. Jackson Boul. (Portable) .....A  
 Chicago Wheel & Mfg. Co., 39 W. Randolph .....O  
 Cumming, David, 787 W. Kinzie (Portable) .....D  
 Union Drop Forge Co., 66 E. Ohio (For Drop Forging Plants) .....A  
**ILL.—Chicago Heights**  
 Canedyn-Otto Mfg. Co. (Portable) .....A  
**ILL.—Evanston**  
 Comstock, A. S. (Automatic Power Gas Blast) .....O  
**ILL.—Ottawa**  
 Porter Co., J. E. ....A  
**IND.—Connersville**  
 Roots & Co., P. H. & F. M. (Portable) .....AA  
**MASS.—Boston**  
 Beaudry & Co., 8 Oliver (Heating; Portable) ...D  
 Sturtevant Co., B. F. (Blast; Bridge Builders) ....AAA  
**MASS.—Hyde Park**  
 Boston Blower Co. (Blast; Portable) .....B  
**MASS.—Worcester**  
 Boynton & Plummer (Portable) .....B  
**MICH.—Marcellus**  
 Chapman, H. L. (Portable) .....H  
 Amer. Gas Furnace Co. (Gas Blast for Drop Forging Plant) .....A  
**N. Y.—Auburn**  
 Crane Fdry. & Machine Wks., W. W. (Heating) .....D  
**N. Y.—Brooklyn**  
 Brown & Patterson, 83 Marcy Av. (Portable) ..A  
 Merrill Bros. ....A  
**N. Y.—Buffalo**  
 Buffalo Forge Co. (Stationary; Portable Blast).....AAA  
 Star Forge Co., 18 Lock (Portable Bridge Builders' ellows) .....F  
**N. Y.—Ft. Plain**  
 Burns Hydro-Carbon Burner Co. ....F  
**New York City**  
 Fairbanks Co. (Portable) ..AAAA  
 Parson Mfg. Co., 320 B'way .....O  
 Slotkin & Praglin, 210 Canal .....B  
**N. Y.—Syracuse**  
 Bradley & Son, C. G. ....A  
 Bradley Co. (For Drop Forging Plants; also Portable) .....X  
**N. Y.—Troy**  
 Empire Forge Co. (Portable) .....F  
**OHIO—Canton**  
 Canton Fdry. & Machine Co. .....B  
**OHIO—Cincinnati**  
 Hayden-Roth-Evans Co. ...F  
**OHIO—Cleveland**  
 Acme Machinery Co. ....AA  
 Bullock Bellows Co., T. H., 130 Columbus (Portable) .....E  
 Cleveland Steam Gauge Co., 106 Merwin (Portable) ..O  
**OHIO—Salem**  
 Silver Mfg. Co. (Blacksmiths') .....AA  
**OHIO—Springfield**  
 Foss Mfg. Co. (Portable) ..A

**FORGES (Con.)**

**PA.—Lancaster**  
 Champion Blower & Forge  
 Co. (Portable) .....AA  
 Potts, David H. (Portable)  
 D

**PA.—Philadelphia**  
 Cox & Sons Co., 215 Race  
 (Portable) .....B  
 Evans' Sons, Jno., 13th &  
 Buttonwood (Heating;  
 Welding) .....B  
 Sellers & Co., Wm. ....AAAA  
**PA.—Rankin's Station**  
 Duquesne Forge Co. (Black-  
 smiths') .....A

**FORGINGS**

See also Hardware; Carriage  
 etc.

**ALA.—Birmingham**  
 Republic Iron & Steel Co.  
 (Iron; Steel; Car Axle;  
 Shafting, etc.) .....AAAA

**ALA.—Huntsville**  
 Huntsville Fdry. & Machine  
 Wks. Light; Heavy Iron;  
 Steel) .....B

**ALA.—Mobile**  
 Ala. Iron Wks. (Light;  
 Heavy Iron; Steel) .....B

**CAL.—San Francisco**  
 Doble Co., Abner, 200 Fre-  
 mont (Drop; all Kinds) .A  
 Amon Iron Wks., 222 Mar-  
 ket (Iron; Steel; Ship;  
 Mining) .....AAAA

**CONN.—Bridgeport**  
 ridgeport Forge Co. (Iron;  
 Steel) .....A  
 Farist Steel Co. (Steel;  
 Railroad; Machinery) .AA

**CONN.—Hartford**  
 Billings & Spencer Co.  
 Automatic; Bicycle; Cop-  
 per; Drop; Gem Handle;  
 Iron Special; Manganese  
 Bronze; Marine; Machine;  
 Railroad; Shaft; Iron;  
 Steel Carriage) .....A

**CONN.—New Haven**  
 Belden Machine Co. (Alum-  
 inum; Automobile; Cop-  
 per; Drop; Iron; Steel;  
 Bicycle; Carriage; Gun;  
 Handle) .....D  
 Brown & Co., R. H. (Drop)  
 B

Kilborn & Bishop Co. (Bicy-  
 cle; Bronze; Carriage;  
 Copper; Drop; Gun; Han-  
 dle; Iron; Steel Special-  
 ties; Marine; Machine;  
 Railroad; Shaft) .....C  
 Seward & Son Co., M. (Bicy-  
 cle; Carriage; Drop; Iron;  
 Steel Bicycle; General) .A

**CONN.—Plantville**  
 Atwater Mfg. Co. (Iron;  
 Steel Carriage) .....A  
 Blakeslee Forging Co. (Bicy-  
 cle; Bronze; Carriage;  
 Drop; Copper; Gun; Iron  
 Special; Marine; Steel;  
 Machine; Railroad; Shaft)  
 B

Smith & Co., H. D. (Drop,  
 Iron; Steel Carriage) .AA  
 Thompson Drop Forge Co.  
 (Automobile; Bicycle;  
 Carriage; Drop; Gun;  
 Iron Special; Steel; Ma-  
 rine; Machine; Railroad;  
 Shaft) .....E

**CONN.—Torrington**  
 Union Hardware Co. (Drop)  
 AA

**CONN.—Waterbury**  
 Waterbury Farrel Fdry. &  
 Mach. Co. (Drop) .....AA

**DEL.—Wilmington**  
 Diamond State Steel Co.  
 (Iron; Steel Car; Bridge,  
 etc.) .....AAAA  
 Johnson Forge Co. (Iron;  
 Steel Car; Locomotive  
 Axle) .....B

**GA.—Savannah**  
 Kehoe & Sons, Wm. (Heavy  
 Iron; Steel) .....A

**FORGINGS (Con.)**

Rourke & Son, John (Heavy  
 Iron; Steel) .....B

**ILL.—Chicago**

Ajax Forge Co., 138 Jackson  
 Boul. (Iron; Steel) ....AA  
 Bethlehem Steel Co. (Iron;  
 Steel; also Hollow)AAAA  
 Block-Pollak Iron Co. Mar-  
 Quette Bldg. (Iron; Steel  
 Railroad) .....AA  
 Cambria Steel Co., 138 Jack-  
 son Boul. (Iron; Steel  
 Railroad) .....AAAA  
 Carnegie Steel Co., The  
 Rookery (Iron; Steel  
 Heavy) .....AAAA  
 Chicago Drop Forge & Fdry.  
 Co. (Bicycle; Bronze;  
 Carriage; Copper; Drop;  
 Handle; Iron Special; Ma-  
 rine; Machine; Railroad;  
 Shaft; also Steel) .....B

Continental Bolt & Iron  
 Wks. (Iron; Steel; Struc-  
 tural, etc.) .....B  
 Crucible Steel Co. of Amer-  
 ica, 64 S. Clinton (Steel  
 of all kinds) .....AAAA  
 Dunne & Co., Geo. W., 68  
 W. Washington (Iron;  
 Steel) .....C

O'Leary Iron Wks., Arthur  
 J., 132 W. Lake (Iron;  
 Steel Rod; Bolt; Vise;  
 Railway; Quarry Tool) .B  
 Pittsburg Forge & Iron Co.,  
 Monadnock Bldg. (Iron;  
 Steel Car; Locomotive;  
 Heavy) .....A

Republic Iron & Steel Co.,  
 108 La Salle (Iron; Steel  
 Car Axle; Shafting; Ma-  
 chine; Railroad; Shaft) ..  
 AAAA

Union Drop Forge Co., 66  
 E. Ohio (Aluminum; Auto-  
 mobile; Bronze; Copper;  
 Iron; Steel; Drop; Elec-  
 tric Railway; Gas En-  
 gines) .....A

Vulcan Iron Wks., 63 Mil-  
 waukee Av. (Iron; Steel;  
 Marine; Machine; Rail-  
 road; Shaft) .....AA

Western Steel Car & Fdry.  
 Co., Old Colony Bldg.  
 (Iron; Steel; all kinds for  
 Railroads) .....AA

Willard Sons & Bell Co.  
 (Heavy Iron; Steel) ...A

**ILL.—Harvey**

Buda Fdy. & Mfg. Co. (Iron;  
 Steel) .....A  
 Paigne Iron Wks. (Iron;  
 Steel; Special Track  
 Work) .....C

**ILL.—Mt. Vernon**

Mt. Vernon Car Mfg. Co.  
 (Iron; Steel Car) .....AAAA

**ILL.—Quincy**

Ellington Mfg. Co. (Heavy  
 Iron; Steel) .....A

**IND.—Anderson**

Anderson Forging Co. (Iron;  
 Steel) .....B

**IND.—Evansville**

Mesker & Co., Geo. L.  
 (Structural Iron) .....AA

**IND.—Indianapolis**

Bates Forging Co. (Drop) X  
 Indianapolis Drop Forging  
 Co. (Drop of all kinds;  
 Iron Special) .....X

**IOWA—Des Moines**

Des Moines Mfg. & Supply  
 Co. (Heavy Iron; Steel) A

**KY.—Louisville**

Drummond Mfg. Co. (Iron;  
 Steel; Vehicle; Axle, &c.)  
 A

**LA.—New Orleans**

Swoop, Julian W., 913 Girod  
 (Light; Heavy Iron;  
 Steel) .....A

**MD.—Baltimore**

Natl. Supply Co., 5 W. Lom-  
 bard (Iron; Steel; Rod) .B

Ryan, McDonald, 44 South  
 (Iron; Steel) .....A

**MD.—Cumberland**

Cumberland Steel Co. (Iron;  
 Steel) .....A

**FORGINGS (Con.)****MASS.—Boston**

Boston Bolt Co., 33 Purchase  
(Iron; Steel) ..... B  
Boston & Lockport Block Co.  
(Iron Special) ..... A  
Harvey, H. H., 606 Atlantic  
Av. (Iron; Steel; Tool; Die  
&c.) ..... B  
Livermore, Homer F. (Copper;  
Drop) ..... E  
McLauthlin & Co., Geo. T.,  
120 Fulton (Iron; Steel) A  
New England Bolt & Nut Co.,  
263 Atlantic Av. (Iron;  
Steel all kinds) ..... C

**MASS.—Canton**

Kinsley Iron & Machine Co.  
(Iron; Steel) ..... AA

**MASS.—Chicopee Falls**

Page & Storins Drop Forge  
Co. (Automobile; Bicycle;  
Drop; Golf; Gun; Iron  
Special; Steel; Marine;  
Machine Railroad; Shaft) C

**MASS.—East Boston**

Boston Forge Co., 340 Ma-  
verick (Electric; Iron;  
Steel Railroad; Marine) A

**MASS.—Gloucester**

Cape Ann Anchor Wks.  
(Iron; Steel) ..... A

**MASS.—Revere**

Revere Drop Forge Co.  
(Drop) ..... D

**MASS.—South Egremont**

Dalzell Axle Co. (Iron;  
Steel Carriage Special) A

**MASS.—Springfield**

More Drop Forging Co.  
(Drop) ..... C

**MASS.—Taunton**

Taunton Locomotive Mfg.  
Co. (Iron; Steel) .... AA

**MASS.—Worcester**

Wyman & Gordon (Automobile;  
Bronze; Copper;  
Drop; Manganese Bronze;  
Bicycle; Carriage; Gun;  
Handle; Iron Special; Marine;  
Steel; Machine Railroad;  
Shaft) ..... A

**MICH.—Detroit**

Anderson & Sons, W. H.  
(Automobile; Copper;  
Iron; Steel) ..... C

Ireland & Matthews Mfg.  
Co. (Drop) ..... A

Lauer, Jno., 108 St. Antoine  
(Iron; Steel) ..... C

**MICH.—Jackson**

Lewis Spring & Axle Co.  
(Iron; Steel Axle) ..... C

**MICH.—Manistee**

Manistee Iron Wks. Co.  
(Iron; Steel Railroad;  
Heavy) ..... B

**MICH.—Sault Ste. Marie**

Hickler Bos. (Iron; Steel) A

**MICH.—Ypsilanti**

Michigan Machinery Mfg.  
Co. (Iron; Steel) .... AA

**MO.—St. Louis**

Amer. Car & Fdy. Co., 706  
Chestnut (Iron; Steel Car;  
Railroad; Merchant) AAAA

Helmbacher Forge & Rolling  
Mill Co. (Iron; Steel;  
Railroad; Marine; Machinery) ..... AA

Republic Iron & Steel Co.  
(Iron; Steel Car Axle;  
Shafting, &c.) ..... AAAA

Union Iron & Fdy. Co., 1458  
S. 2d (Iron; Steel) ... B

Western Forge Co., 520 Olive  
(Iron; Steel) ..... B

**MONT.—Butte**

Western Iron Wks. (Iron;  
Steel) ..... B

**NEBR.—Omaha**

Paxton & Vierling Iron Wks.  
(Iron; Steel) ..... A

**N. H.—Lakeport**

Cole Mfg. Co. (Iron; Steel  
Light; Heavy) ..... A

**N. J.—Harrison**

Crucible Steel Co. (Heavy  
Iron; Steel) ..... AAAA

**N. J.—High Bridge**

Taylor Iron & Steel Co.  
(Iron; Steel Car; Locomo-

**FORGINGS (Con.)**

tive; Axle; Shaft) AAAA

**N. J.—Hoboken**

New York Switch & Cross-  
ing Co. (Iron; Steel Rail-  
road) ..... A

Union Iron Wks. (Light;  
Heavy Iron; Steel) AAAA

**N. J.—Jersey City**

Smith & Sons Co., Theo. ft.  
Essex (Heavy Iron; Steel) A

**N. J.—Newark**

Currier & Sons, Cyrus (Iron;  
Steel) ..... AA

Hewes & Phillips Iron Wks.  
(Iron; Steel) ..... A

Strleby & Foote Co., 301  
Ogden (Automobile; Bicycle;  
Carriage; Drop;  
Iron; Steel; Marine; Machine  
Railroad; Shaft) B

**N. J.—Paterson**

Passaic Steel Co. (Marine;  
Machine Railroad; Shaft) A

**N. Y.—Albany**

Townsend Fdy. & Machine  
Shop Co. (Iron; Steel) B

**N. Y.—Auburn**

Clapp Mfg. Co., E. D. (Bicycle;  
Carriage; Drop; Gun;  
Iron Special; Marine;  
Steel; Machine Railroad;  
Shaft) ..... B

Eccles Co., Richard (Bicycle;  
Carriage; Drop; Iron  
Special; Steel) ..... A

**N. Y.—Batavia**

Baker Gun & Forging Co.  
(Gun; Iron; Steel) ..... A

**N. Y.—Brooklyn**

Bliss & Co., E. W. (Seamless  
Steel) ..... AAAA

Carpenter, Thos. D. (Iron  
Special; Marine; Machine  
Railroad; Shaft) ..... B

Columbia Engineering Wks.,  
William & Imlay (Iron;  
Steel; Marine) ..... B

Columbia Machine Wks. &  
Mall, Iron Co. (Copper;  
Elect. Railway; Iron Special)  
..... B

Gill & Sons, Phil. H., Lor-  
raine & Otsego (Iron;  
Steel; Piping) ..... A

Hay-Budden Mfg. Co., 254  
N. Henry (Drop; Marine;  
Machine Railroad; Shaft) B

Merrill Bros., 465 Kent Av.  
(Drop; Iron; Steel) ... B

Williams & Co., J. H. (Alu-  
minum; Bronze; Copper;  
Drop; Elect. Railway;  
Iron; Steel; Bicycle; Gun;  
Handle; Iron Special; Marine;  
Steel; Machine Railroad;  
Shaft) ..... AAAA

N. Y.—Buffalo

Delaney Forge & Iron Co.,  
300 Perry (Iron; Steel) A

Iroquois Iron Wks., 178  
Washn. Av. (Iron; Steel;  
Crank Engine; Crank  
Shaft, &c.) ..... A

Sizer, W. S. (Locomotive  
Iron; Steel Drawing Axle;  
Marine; Engine) ..... AA

N. Y.—Cortland

Cortland Forging Co. (Iron;  
Steel Carriage) ..... A

**N. Y.—Hillburn**

Ramapo Iron Wks. (Iron;  
Steel Railroad) ..... AA

New York City

Bethlehem Steel Co., 100  
Bway (Iron; Steel; Hol-  
low) ..... C

Cambria Steel Co., 71 Bway.  
(Iron; Steel Railroad) AAAA

Carbon Steel Co., 26 Cort-  
landt (Iron; Steel) ..... A

Carnegie Steel Co., 71 Bway  
(Heavy Iron; Steel) AAAA

Cleveland City Forge &  
Iron Co., 11 Bway (Heavy  
Iron; Steel) ..... AA

Cresson Co., Geo. V., 141  
Liberty (Iron; Steel) AA

Crucible Steel Co. of Amer-  
ica, 71 Bway (All Kinds

**FORGINGS (Con.)**  
of Steel) .....AAAA  
Diamond State Steel Co.  
(Car; Bridge) .....AAA  
Dobbie Fdy. & Machine Co.  
(Heavy Plate Iron; Steel;  
Structural Work) .....B  
Gould Coupler Co., 20 W.  
34th (Iron; Steel) ....AA  
Greenile Wyatt & Co., 499  
Water (Iron; Steel) ....B  
Hall's Sons, Samuel, 229 W.  
10th (Drop) .....A  
Illingworth Steel Co., Jno.,  
25 Cliff (Iron; Steel Crucible  
open Hearth) .....B  
McDougall & Potter Co.  
(Drop; Iron Special) ...D  
Midvale Steel Co., 100 Bway  
(Steel Marine; Locomo-  
tive; Car; Gun) ..AAAA  
Penna. Steel Co., 71 Bway  
(Heavy Steel) ....AAAA  
Phoenix Iron Co., 49 William  
(Iron; Steel) .....A  
Pilling & Crane, 71 Bway  
(Iron; Steel) .....AA  
Republic Iron & Steel Co.,  
64 Bway (Iron; Steel Car  
Axle; Shafting) ..AAAA  
Smith & Hemenway Co., 296  
Bway (Drop) .....D  
Turl's Sons, Jno., 534 W.  
28th (Iron; Steel) .....A  
Westmoreland Steel Co., 29  
Bway (Steel) .....B  
**N. Y.—Niagara Falls**  
Dobbie Fdy. & Machine Co.  
(Iron; Steel; Heavy Plate;  
Structural Work) .....B  
**N. Y.—Ogdensburg**  
Nash Bros. Co. (Iron; Steel  
Steam) .....A  
**N. Y.—Syracuse**  
Bradley & Son, C. C.  
(Carriage) .....A  
**N. Y.—Utica**  
Utica Drop Forge & Tool Co.  
(Drop) .....B  
Western Mott Co. (Iron;  
Steel Carriage; Bike Wag-  
on) .....B  
**OHIO—Alliance**  
Transue & Williams Co.  
(Drop) .....A  
**OHIO—Ashtabula**  
Ashtabula Carriage Bow Co.  
(Drop) .....B  
**OHIO—Canton**  
Canton Drop Forge & Mfg.  
Co. (Drop; Iron Special;  
Marine; Steel; Machine  
Railroad; Shaft) .....D  
**OHIO—Carthage**  
Block-Pollak Iron Co. (Iron;  
Steel Railroad) .....AA  
**OHIO—Cincinnati**  
Queen City Forging Co., Du-  
mont & Tennyson (Iron;  
Steel Carriage) .....B  
**OHIO—Cleveland**  
Amer. Ship Building Co.  
(Heavy Iron; Steel; Ma-  
rine, &c.) .....AAAA  
Avery Stamping Co., Lake  
& Coe (Marine; Steel; Ma-  
chine Railroad; Shaft) A  
Cleveland City Forge & Iron  
Co. (Car; Carriage; Heavy  
Iron; Steel; Marine; Ma-  
chine Railroad; Shaft) AA  
Cleveland Punch & Shear  
Wks. Co. (Marine; Ma-  
chine Railroad; Shaft) A  
Dyson & Sons, Jos., Hamil-  
ton nr. Coe (Automobile;  
Iron; Steel) .....A  
Forest City Electric Co.,  
(Roll Drop Copper) ...A  
Globe Machine & Stamping  
Co. (Drop; Steel) .....U  
Hussey Drop Forging & Mfg.  
Co. (Drop; Automobile) X  
Otis Steel Co. (Steel; Loco-  
motive; Car; Marine; Ma-  
chine Railroad; Shaft) AAAA  
**OHIO—Columbus**  
Columbus Bolt Wks. (Car-  
riage; Drop; Iron; Steel)  
Columbus Forge & Iron Co.  
(Drop Heavy; Light Iron;  
Steel in Multiples) ....A

**FORGINGS (Con.)**  
**OHIO—Fremont**  
Herbrand Co. (Iron; Steel  
Carriage; Drop) .....B  
**OHIO—Sandusky**  
Klotz Machine Co. (Heavy  
Iron; Steel) .....B  
**OHIO—Toledo**  
Toledo Fdy. & Machine Co.,  
202 Cherry (Iron; Steel) B  
**OHIO—Youngstown**  
Mahoning Fdy. & Machine  
Co. (Iron; Steel) .....C  
Sennett Co., Geo. B. (Iron;  
Steel; Marine; Machine  
Railroad; Shaft) .....A  
Tod William Co. (Iron Spe-  
cial; Steel) .....AA  
**PA.—Alquippa**  
Vulcan Crucible Steel Co.  
(Steel) .....B  
**PA.—Allegheny**  
Albree, Chester B., 1115  
Market (Iron; Steel) ....A  
**PA.—Bloomsburg**  
Bloomsburg Car Mfg. Co.  
(Iron; Steel Railroad;  
Mine) .....A  
**PA.—Braeburn**  
Braeburn Steel Co. (Marine;  
Steel; Machine Railroad;  
Shaft) .....A  
**PA.—Burnham**  
Standard Steel Wks.  
(Steel Locomotive) ...AA  
**PA.—Butler**  
Kesselman & Co. (Heavy  
Iron; Steel) .....B  
**PA.—Chester**  
Keystone Drop Forge Wks.  
(Automobile; Bicycle;  
Bronze; Copper; Drop;  
Electric Railway; Handle;  
Special Iron; Marine;  
Steel; Machine Railroad;  
Shaft) .....B  
**PA.—Cheswick**  
Pittsburg Tool & Drop Forg-  
ing Co. (Drop. &c.) ....D  
**PA.—Connellsville**  
Connellsville Machine &  
Car Co. (Light; Heavy  
Iron; Steel) .....A  
**PA.—Corry**  
McInnes Steel Co. (Machin-  
ery, &c.) .....C  
**PA.—Eddystone**  
Tindel-Morris Co. (Steel Rail-  
road; Marine) .....A  
**PA.—Erie**  
Erie Car Works (Iron; Steel  
Car) .....B  
Erie Forge Co. (Iron; Steel) A  
**PA.—Fullerton**  
Lehigh Car Wheel & Axle  
Wks. (Iron; Steel Rail-  
road) .....AAAA  
**PA.—Greensburg**  
Westmoreland Steel Co.  
(Steel) .....B  
**PA.—Hope Church**  
Monongahela Iron & Steel  
Co. (Forgings for Chains,  
&c.) .....B  
**PA.—Johnstown**  
Cambria Steel Co. (Iron;  
Steel Railroad) ..AAAA  
Lorain Steel Co. (Steel) AAAA  
**PA.—Latrobe**  
Latrobe Steel Co. (Iron;  
Steel) .....AAAA  
**PA.—Lebanon**  
Amer. Iron & Steel Mfg. Co.  
(Electric Railway; Iron;  
Steel Car) .....AAAA  
**PA.—McKees Rocks**  
Lockhart Iron & Steel Co.  
(Iron; Steel) .....AA  
**PA.—Mechanicsburg**  
Wilcox Mfg. Co., D. (Drop;  
Carriage; Special Iron &  
Steel all Kinds) .....B  
**PA.—Middletown**  
Middletown Car Wks. (Inc.)  
(Iron; Steel Railroad) ...A  
**PA.—Millersburg**  
Millersburg Fifth Wheel Co.  
(Carriage; Special Iron;  
Steel) .....D  
**PA.—Nazareth**  
Nazareth Fdy. & Machine

**FORGINGS (Con.)**

Co. (Steel; Special Iron) B  
**PA.—New Castle**  
 New Castle Forge & Belt Co.  
 (Drop; Telegraph; Telephone Pole; Iron; Steel; Car; Mine; Agricultural) A  
**PA.—Northumberland**  
 Keystone Forging Co. (Carriage; Special Drop; Manganeese Bronze) .....A  
**PA.—Philadelphia**  
 Allison Mfg. Co. (Iron; Steel Car) .....AAAA  
 Bethlehem Steel Co., Bank Bldg. (Iron; Steel; Hollow) .....U  
 Cambria Steel Co., Arcade Bldg. (Iron; Steel Railroad) .....AAAA  
 Carnegie Steel Co., 1502 Market (Heavy Iron; Steel) .....AAAA  
 Cramp & Sons Ship & Engine Bldg Co., Wm. (Manganeese Bronze; Iron; Steel Marine) .....AAAA  
 Cresson Co., Geo. V. (Iron; Steel) .....AAAA  
 Hoopes & Townsend Co., 1330 Buttonwood (Iron; Steel Car) .....AAA  
 Janney Steinnutz & Co. (Drop; Iron Special; Marine; Steel; Machine Railroad; Shaft) .....D  
 McGookin, D. H., 1630 N. 9th (Iron; Steel; Structural) .....C  
 Midvale Steel Co. (Car; Gun; Marine; Steel; Locomotive) .....AAAA  
 Morris, P. Hollingsworth, Phila. Bourse (Iron; Steel) .....C  
 Penna. Steel Co., Girard Bldg. (Heavy Steel) .....AAAA  
 Phillips & Sons Co., R. F. Penna. Bldg. (Iron; Steel) .....O  
 Phosphor Bronze Smelting Co., 2200 Washn. Av. (Bronze; Delta Metal; Drop) .....A  
 Roberts & Co., A. P., 261 S. 4th (Iron; Steel) .....AA  
 Standard Steel Works, Harrison Bldg. (Steel Locomotive) .....AA  
**PA.—Pittsburg**  
 Baker Mfg. Co., Jas. H., Park Bldg. (Drop; Steel; Iron; Car; Wagon, &c.) A  
 Carbon Steel Co. (Nickel Steel) .....A  
 Carnegie Steel Co. (Nickel Steel; Steel) .....AAAA  
 Columbia Bridge Co., Park Bldg. (Iron; Steel) .....C  
 Crucible Steel Co. of America (Nickel Steel; Steel of all Kinds) .....AAAA  
 Fort Pitt Forge Co. (Marine; Machine Railroad; Shaft) B  
 Heppenstall Forge & Knife Co. (Marine; Machine Railroad; Shaft) .....B  
 Jones & Laughlin's Steel Co. (Iron; Steel) .....AAAA  
 Keystone Smooth Forging Co., Hamilton Bldg. (Iron; Steel) .....C  
 Lanz & Sons, M., 101 S. 29th (Drop; Iron; Steel) B  
 Oliver Iron & Steel Co. (Elect. Railway) .....AAAA  
 Penna. Drop Forging Co., 987 Fayette (Drop) AAA  
 Phoenix Steel Construction Co., Penn. Av. & 3rd (Bronze) .....D  
 Pelling & Crane, Farmers' Bank Bldg. (Iron; Steel) B  
 Pittsburg Forge & Iron Co., 10th & Penn. Av. (Iron; Steel; Locomotive) .....A  
 Pittsburg Mfg. Co., 28th & Railroad (Iron; Steel) .....A  
 Pittsburg Screw & Bolt Co., 25th & Liberty (Iron; Steel) .....B

**FORGINGS (Con.)**

Republic Iron & Steel Co., Frick Bldg. (Iron; Steel; Shafting) .....AAAA  
 Scaife & Sons Co., Wm. B. (Iron Special) .....AAA  
 Steel Car Forge Co. (Iron; Steel) .....B  
 Union Forge Co., 541 Wood (Iron; Steel) .....AAA  
 U. S. Aluminum Co. (Aluminum) .....B  
 Westmoreland Steel Co., 424 4th Av. (Steel) ....B  
**PA.—Rankin**  
 Duquesne Forge Co. (Iron; Steel) .....A  
**PA.—Reading**  
 Carpenter Steel Co. (Steel) AA  
**PA.—Scranton**  
 Scranton Forging Co. (Drop; Carriage; Iron; Steel) ..A  
**PA.—Shamokin**  
 Mullen & Son, John (Iron; Steel; also Mine) .....A  
**PA.—South Bethlehem**  
 Bethlehem Steel Co. (Hollow; Iron; Steel; Liquid Pressed) .....AAAA  
**PA.—Steelton**  
 Penna. Steel Co. (Heavy Steel) .....AAAA  
**PA.—Tarentum**  
 Baker Mfg. Co., Jas. H. (Iron; Steel; Car; Wagon, etc.) .....A  
**PA.—Titusville**  
 Titusville Forge Co. (Iron; Steel; Drop; Marine; Machine; Railroad; Shaft) .B  
**PA.—Waynesboro**  
 Frick Co. (Iron; Steel) ...AAA  
**PA.—Wilkesbarre**  
 Sheldon Axle Co. (Iron; Steel) .....AAA  
 Vulcan Iron Works (Iron; Steel) .....AA  
**R. I.—Pawtucket**  
 Pawtucket Mfg. Co. (Drop) A  
**R. I.—Providence**  
 Rhode Island Tool Co. (Drop; Iron; Steel) .AAA  
**TENN.—Chattanooga**  
 Chattanooga Car & Fdry. Co. (Iron; Steel; Marine; Machine; Railroad; Shaft) A  
**TENN.—Knoxville**  
 Knoxville Fdry. & Machine Co. (Iron; Steel) .....A  
**TEXAS—Dallas**  
 Mosher Mfg. Co. (Heavy Iron; Steel) .....C  
**VA.—Norfolk**  
 Godwin, Thos. W. (Iron; Steel; Marine) .....B  
**VA.—Richmond**  
 Old Dominion Iron & Nail Wks. Co. (Iron; Steel) ..A  
 Tredegar Co. (Iron; Steel; Car; Machinery) ....AAA  
**WASH.—Seattle**  
 Moran Bros. Co. (Iron; Steel; Marine) .....AAAA  
**WIS.—Milwaukee**  
 Bayley & Sons Co., Wm. (Marine; Machine; Railroad; Shaft) .....X  
 Wisconsin Bridge & Iron Co. (Iron; Steel) .....AA

**FORKS**

See also Silverware

**CAL.—San Francisco**  
 Jackson Mach. Wks., Byron (Hay) .....A  
**CONN.—Bridgeport**  
 Acme Shear Co. (Steel; Table; Tinned) .....B  
 Knapp & Cowles Mfg. Co. (Strawberry) .....C  
**CONN.—Higganum**  
 Scovill, D. & H. (Iron; Hand) .....A  
**CONN.—Meriden**  
 Meriden Britannia Co. (Fish; Culinary) ..AAAA

**FORKS (Con.)**

Meriden Cutlery Co. (Table) AA

Rogers Bros. Co. (Forks Tinned) .....AAAA

**CONN.—Nauvoo**

Williams Bros. Mfg. Co. (Table) .....A

**CONN.—New Britain**

Humason &amp; Beckley Mfg. Co. (Tuning) .....A

**CONN.—Wallingford**

Wallace &amp; Sons, Mfg. Co., R. (Flesh; Vegetable; Table; Culinary) .....AAAA

**CONN.—Waterbury**

Novelty Mfg. Co. (Olive; Pickle) .....A

Rogers &amp; Hamilton Co. (Table) .....AAAA

**ILL.—Batavia**

U. S. Wind Engine &amp; Pump Co. (Horse; Hay) .....AA

**ILL.—Chicago**

Gibson Co., W. D., 23 N. Clinton (Hay; Tedder) B

Klein &amp; Sons, Mathias, 87 W. Van Buren (Raising) B

Whitman &amp; Barnes Mfg. Co. (Hand Hay; Horse) .....AAAA

**ILL.—Decatur**

Chambers - Bering - Quinlan Co. (Horse; Hay) .....A

**ILL.—Downers Grove**

Dicke Tool Co. (Raising) C

**ILL.—Harvard**

Hunt, Helm, Ferris &amp; Co. (Horse; Hay) .....AA

**ILL.—Ottawa**

Porter Co., J. E. (Horse; Hay) .....A

**ILL.—Plainville**

Hills, Edwin (Tinned) ....A

**IND.—Columbus**

Columbus Handle &amp; Tool Co. (Raising) .....B

**IND.—Evansville**

Evansville Tool Wks. (Rail) A

**IND.—Terre Haute**

Terre Haute Shovel &amp; Tool Co. (Iron; Hand) .....A

**IOWA—Fairfield**

London Machinery Co. (Horse; Hay) .....C

**IOWA—Fort Madison**

Am. Hoe &amp; Fork Co. (Hand; Coal; Coke; Barley; Sluice; Stone; Fodder; Hay; Manure; Spading; Wood) .....AAAA

**MD.—Baltimore**

Ives Mfg. Co., 203 Hanover (Bicycle) .....E

**MASS.—Greenfield**

Nichols Bros. (Tinned) C

Warren Mfg. Co. (Tinned) C

**MASS.—Lowell**

Woods Sherwood Co. (Olive; Pickle) .....E

**MASS.—Newburyport**

Towle Mfg. Co. (Table) AA

**MASS.—Shelburne Falls**

Lamson &amp; Goodnow Mfg. Co. (Kitchen) .....A

Mayhew Co., H. H. (Tinned) D

**MASS.—Turners' Falls**

Russell Cutlery Co., Jno. (Table) .....AA

**MASS.—Worcester**

National Mfg. Co. (Flesh; Culinary; Olive; Pickle; Toasting; Vegetable) .A

Wire Goods Co. (Kitchen) A

**MICH.—Detroit**

Anderson &amp; Sons, W. H. (Rail; Raising) .....O

**MICH.—Gallion**

Montrose, Richard W. (Barley; Grain; Wooden) ..B

**MICH.—Jackson**

Am. Hoe &amp; Fork Co. (Hand Barley; Hay; Manure; Spading; Vegetable; Beet Root; Coal; Coke; Fish Handling; Header; Scoop; Sluice; Stone; Iron; Hand; Straw; Tanners') .....AAAA

**MICH.—Kalamazoo**

Star Brass Wks. (Trolley) C

**FORKS (Con.)****MICH.—Kalamazoo**

Freeman Mfg. Co. (Kraut) B

**MO.—St. Louis**

Central Union Brass Co., 811 N. 2d (Trolley) ....E

**N. H.—Antrim**

Goodell Co. (Table) .....A

**N. J.—Bound Brook**

Graphite Lubricating Co. (Trolley) .....B

**N. J.—Newark**

Williamson Novelty Co., O. T. (Olive; Pickle; Toasting; Vegetable) .....B

**N. J.—Newton**

Farrell &amp; Son, John (Horse; Hay) .....E

**N. Y.—Auburn**

Osborne &amp; Co., D. M. (Horse; Hay) .....AAAA

**N. Y.—Brooklyn**

American Stamping Co. (Flesh; Culinary) .....X

**N. Y.—Buffalo**

Shepard &amp; Co., Sidney (Flesh; Culinary) .....AAAA

Strauss &amp; Son, Jos., 694 Mich. (Bicycle) .....E

**N. Y.—Cortland**

Wickwire Bros. (Kitchen) .....AAAA

**N. Y.—East Syracuse**

Benedict Mfg. Co., M. S. (Table) .....AA

**N. Y.—Frankford**

Continental Tool Co. (Hand Hay; Manure; Spading; Header; Barley; Stone; Coke; Coal; Sluice; Beet; Potato; Digging; Tanners, &amp;c.) .....A

**New York City**

Chatillon &amp; Sons, J., 85 Cliff (Kitchen) .....A

Lalanc &amp; Grosjean Mfg. Co. (Fish; Flesh; Culinary) .....AAAA

**Marks, A. A. (Folding) AA****N. Y.—Rochester**

Ricker Mfg. Co. (Horse Hay) .....E

**N. Y.—Syracuse**

Syracuse Chilled Plow Co. (Horse Hay) .....AA

**N. Y.—Troy**

Lane &amp; Gale (Iron; Hand) A

**N. Y.—Utica**

Eureka Mower Co. (Horse Hay) .....A

**OHIO—Ashland**

Myers &amp; Bro. F. E. (Horse Hay; Agricultural) AAAA

**OHIO—Ashtabula**

Ashtabula Tool Co. (Hand Hay; Manure, &amp;c.) ....A

**OHIO—Canton**

Ney Co., V. L. (Horse Hay) B

Ney Mfg. Co. (Horse Hay) B

**OHIO—Cincinnati**

Electric Railway Equipment Co., 433 E. Front (Trolley) .....B

**OHIO—Cleveland**

Am. Fork &amp; Hoe Co. (Balling Press; Coal; Coke; Cotton Seed; Fish; Fodder Hay; Manure; Spading; Ore; Sluice; Stone; Tanners, &amp;c.) .....AAAA

Osborne Mfg. Co. (Coke; Coal) .....B

**OHIO—Columbus**

Am. Hoe &amp; Fork Co. (Hand; Hay; Header; Manure; Coal; Coke; Stone; Spading) .....A

**OHIO—Dayton**

Dayton Malleable Iron Co. (Brake) .....AAA

**OHIO—Hicksville**

Kerr Bros. Mfg. Co. (Barley; Shavings) .....O

**OHIO—Springfield**

Economic Mfg. Co. (Trolley) D

**OHIO—Toledo**

Nagel Electric Co., W. G. (Raising) .....B

**OHIO—Zanesville**

Brown Mfg. Co. (Horse Hay) .....AA

**FORKS (Con.)**

**PA.—Philadelphia**  
 Myers & Ervien Co. (Iron; Hand) .....B

**PA.—Pittsburg**  
 Hubbard & Co., Murtland Bldg. (Rail) .....AA  
 Nuttall Co., R. D. (Trolley) .....A

Oliver Iron & Steel Co. (Rail) .....AAAA  
 Pittsburg Tool & Drop Forge Co., Arrott Bldg. (Rail) D  
 Roberts, Geo., 1st & Liberty Av. (Halsing) .....F

**R. I.—Providence**  
 Fessenden & Co. (Hand) B  
 Natl. Ring Traveler Co. (Loom) .....AA

**TENN.—Harriman**  
 Harriman Hoe & Tool Co. (Iron; Hand) .....A

**TENN.—Nashville**  
 Nashville Spoke & Handle Mfg. Co. (Hay) .....AA

**VT.—Bellows Falls**  
 Derby & Ball (Hay; Manure; Spading) .....B

**VT.—Brookfield**  
 Peck, Clark & Co. (Hand; Hay) .....D

**VT.—Hartford**  
 French, Watson & Co. (Iron; Hand) .....C

**VT.—St. Johnsbury**  
 Amer. Hoe & Fork Co. (Hay; Hand; Grain; Manure; Spading) .....AAAA

**VT.—Wallingford**  
 Amer. Hoe & Fork Co. (Hand, &c.) .....AAAA

Batcheller & Sons Co. (Iron; Hand) .....A

**WIS.—Fort Atkinson**  
 Hager, E. (Hand) .....D

**WIS.—Janesville**  
 Janesville Hay Tool Co. (Horse Hay) .....X

Rock River Machine Co. (Horse Hay) .....D

**WIS.—Madison**  
 Fuller & Johnson Mfg. Co. (Horse Hay) .....AAA

**WIS.—Milwaukee**  
 Milwaukee Hay Tool Co. (Horse Hay) .....A

Smith & Sons Co., C. S. (Bicycle) .....B

**WIS.—Racine**  
 Belle City Mfg. Co. (Horse Hay) .....B

**FORMALDEHYDE**

**N. J.—Perth Amboy**  
 Perth Amboy Chemical Wks. O

**N. Y.—Brooklyn**  
 Wiarda & Co., Jno. C. ....AA

**N. Y.—Buffalo**  
 Schoelkopf, Hartford & Hanna Co. ....AAA

**New York City**  
 Bischoff & Co., C. ....B  
 Fries Bros., 92 Reade ....A

Fuerst Bros. Co. ....D  
 Heyden Chemical Wks., 40 Pine .....A

Klipstein & Co., A. ....AA  
 Merck & Co. ....AAA

Metz & Co., H. A. ....A  
 Roessler & Hasslacher Chemical Co. ....AA

**FORMS**

**CONN.—Bridgeport**  
 Taylor, Thos. P. (Dress) A

**MASS.—Worcester**  
 Hamblin & Russell Mfg. Co. (Baby Cap Display) ....B

**MICH.—Three Oaks**  
 Warren Featherbone Co. (Dress) .....AA

**MO.—St. Louis**  
 Ludlow-Saylor Wire Co. (Dress; Coat) .....AA

**N. Y.—Buffalo**  
 Henderson & Henderson (Pneumatic Bust Corset) O

**IRONS (Con.)**

**New York City**  
 Ferris Bros. Co. (Dress) A  
 Palmenberg's Sons, J. R. (Dress) .....X

**N. Y.—Syracuse**  
 Wood & Co., J. E. (Shirt Waist) .....C

**OHIO—Cincinnati**  
 Brownwell Brush & Wire Co. (Dress) .....AA

**PA.—Philadelphia**  
 Darby & Sons, Edw., 233 Arch (Dress; Coat) .....A

Straus, Wm. (Stocking) ..F  
 Weston & Wells Mfg. Co. (Dress) .....B

**TENN.—Chattanooga**  
 Chattanooga Machinery Co. (Coffin Bending) .....C

**FOULARDS**

**MASS.—North Adams**  
 Windsor Co. ....AAA

**N. H.—Dover**  
 Cocheco Mfg. Co. ....AAA  
 New York City  
 McLean Co., Andrew ..AA

**FOUNDATIONS**

**ILL.—Hamilton**  
 Dadant & Son, Chas. (Beekeepers' Comb) .....B

**OHIO—Medina**  
 Root Co., A. I. (Beekeepers' Comb) .....AA

**PA.—Philadelphia**  
 Phoenix Bridge Co. (Bridge) A

**FOUNDERS**

See Castings

**FOUNTAINS**

**COLO.—Denver**  
 Denver Stoneware Co. (Chicken) .....X

**ILL.—Carpentersville**  
 Illinois Iron & Bolt Co. (also Vases) .....AA

**ILL.—Chicago**  
 Acorn Brass Mfg. Co. (Soda) D

Barbee Wire & Iron Wks., 44 Dearborn (also Vases) B

Becker Co., L. A. (Soda) AA

Both, John, 114 Lake (also Vases) .....B  
 Clow & Sons, Jas. B., 344 Franklin (also Vases) AAAA

**ILL.—Malleable Iron Co.**  
 30 W. Monroe (Drinking; Park Lawn, &c.) .....AAAA

Liquid Carbonic Acid Mfg. Co. (Soda Water) .....AAAA

Middleby Oven Mfg. Co., 60 W. Van Buren (also Vases) .....D

Smith Wire & Iron Wks., F. P., 100 Lake (also Vases; Display) .....AA

Wilson Iron Wks. (Stock) X  
 Winslow Bros. Co., 368 Carroll Av. (Iron; Brass; Bronze Drinking) ....AA

**ILL.—Sterling**  
 Novelty Iron Wks. (Stock) B

**IND.—Muncie**  
 Glasscock Bros. Mfg. Co. (Poultry) .....B

**IOWA—Waterloo**  
 Cedar Valley Mfg. Co. (Soda) .....C

**LA.—New Orleans**  
 Hinderer's Iron Fence Wks. (also Vases) .....B

**MD.—Baltimore**  
 Smyser's Sons, E. G., 4 Light (also Vases) ....A

**MASS.—Boston**  
 Am. Soda Fountain Co. (Soda) .....AAAA

Jones & Co., M. D., 73 Portland (also Vases) .....G

Puffer Mfg. Co. (Soda Water) .....A

**FOUNTAINS (Con.)**

**MASS.**—Middleboro  
Le Baron Foundry Co. (also Vases) .....D  
**MICH.**—Detroit  
Amos & Co., Charles, 94 W. Larned (also Vases) ....F  
Barnum, E. T., 99 Shelby (also Vases) .....B  
Vulcan Co. (also Vases) F  
**MICH.**—Sturgis  
Freeland Sons Co., B. F. (Poultry) .....D  
**MINN.**—Minneapolis  
Northwestern Foundry, 312 10th Av. S. (also Vases) A  
**MO.**—St. Louis  
International Steel Post Co. (Drinking; Park Lawn, &c.) .....A  
Nelson Mfg. Co., N. O. (Display) .....AAA  
Pleuger & Henger Mfg. Co. (Drinking) .....A  
**N. H.**—Concord  
Concord Foundry & Mach. Co. (also Vases) .....B  
**N. H.**—Keene  
Humphrey Machine Co. (Drinking; also Vases) O  
**N. Y.**—Brooklyn  
Eagle Iron Wks., 850 De Kalb Av. (also Vases) O  
Hecla Iron Wks., N. 11th & Berry (also Vases) ..AA  
**N. Y.**—Buffalo  
Ginther's Sons, J., 417 Bway. (also Vases) ....A  
Walbridge & Co., 392 Main (also Vases) .....A  
**N. Y.**—Manlius  
Cheney & Son, S. (also Vases) .....A  
**N. Y.**—Medina  
Swett Iron Wks., A. L. (also Vases) .....A  
**New York City**  
Fiske Iron Works, J. W., 89 Park Pl (also vases; display) .....B  
Mott Iron Works, J. L., 88 Beekman (also Vases; drinking & display) ..AA  
Westervelt, A. B. & W. F., 102 Chambers (also Vases) B  
**N. Y.**—Utica  
Palmer, C. F. (also Vases).C  
**OHIO**—Canton  
Harvard Co. (Dental Cuspidor) .....AA  
**OHIO**—Cincinnati  
Cincinnati Mfg. Co., 512 Main (also Vases) ....B  
Stewart Iron Works (Park Lawn, &c.; also Vases) ..A  
**OHIO**—Cleveland  
Van Dorn Iron Works Co., 1793 E. Madison Av. (also Vases) .....AA  
**OHIO**—Columbus  
McDonald Bros. (also Vases) C  
**OHIO**—Kenton  
Champion Iron Co. (also Vases) .....AA  
**PA.**—Ellwood City  
Glen Mfg. Co. (Drinking; Park Lawn, &c.) .....C  
**PA.**—Homer City  
Prairie State Incubator Co. (Drinking) .....A  
**PA.**—New Brighton  
Pittsburg Clay Mfg. Co. (Hen) .....AAAA  
**PA.**—Philadelphia  
Creswell Iron Works Co., S. J., 23d & Cherry (also Vases) .....B  
Darby & Sons, Edw., 233 Arch (also Vases) ....A  
Green & Sons, R. M. (Soda Water) .....AA  
Hitzeroth, C., 3124 Market (also Vases) .....B  
**PA.**—Pittsburg  
Phoenix Steel Construction Co. (also Vases) .....D  
Standard Mfg. Co. (Drinking) .....AA  
Taylor & Dean, 205 Market (also Vases) .....B

**FOUNTAINS (Con.)**

**TENN.**—Chattanooga  
Cahill Iron Works (also Vases) .....B  
Chattanooga Pipe & Foundry Co. (Drinking) ....A  
**VA.**—Richmond  
Carr, Jas. W., 2003 E. Main (also Vases) .....F  
**WIS.**—Milwaukee  
Globe Wire & Iron Wks., 136 Reed .....G  
Hennecki Co., C., 103 Wisconsin (also Vases; Terra Cotta & other kinds) ...A  
Wisconsin Iron & Wire Works, 186 E. Water (also Vases) .....D  
**WIS.**—Sheboygan  
Kohler Sons' Co., J. M. (Drinking; Street) .....A  
Winter Lumber Co., M. (Soda Water) .....B

**FOUNTAINS**

**CONN.**—Bridgeport  
Bridgeport Brass Company (Lamp; Decorated Lamp; Metal Lamp) .....AAA  
**CONN.**—Bristol  
Bristol Brass Co. (Metal Lamp) .....AAA  
**CONN.**—Meriden  
Bradley & Hubbard Mfg. Co. (Metal Lamp) .....AAAA  
Miller & Co., Edw. (Decorated Lamp) .....AAAA  
**CONN.**—Waterbury  
Benedict & Burnham Mfg. Co. (Metal Lamp) .AAAA  
Holmes, Booth & Haydens Co. (Inc.) (Lamp; Decorated Lamp; Metal Lamp) AAAA  
**MASS.**—New Bedford  
Smith Bros. (Decorated Lamp) .....X  
**PA.**—Coraopolis  
Consolidated Lamp & Glass Co. (Glass Lamp) .....A  
**PA.**—Philadelphia  
Gillinder & Sons (Decorated Lamp; Glass Lamp) ...A  
Murray & Co., Jas. J. (Glass Lamp) .....A  
**PA.**—Pittsburg  
Phoenix Glass Co. (Glass Lamp) .....A  
Pittsburg Brass Mfg. Co. (Lamp) .....D  
**PA.**—Reading  
National Brass & Iron Wks. (Glass Lamp) .....A

**FRAMES**

See also Woodwork; Carriage & Wagon; Furniture Woodwork; Silverware; Pictures; for Spectacle Frames see Optical Goods & Jewelry; Millinery.

**CONN.**—Bridgeport  
Bridgeport Hardware Mfg. Co. (Hack Saw) .....C  
Springfield Mfg. Co. (Polishing) .....B  
**CONN.**—Danielson  
Jacobs Mfg. Co., E. H. (Harness) .....B  
**CONN.**—Hartford  
Pratt & Whitney Co. (Emery Wheel Polishing) AAAA  
**CONN.**—Meriden  
Meriden Britannia Co. (Photograph) .....AAAA  
**CONN.**—Middletown  
Palmer, I. E. (Canopy; Brass Canopy, Self-adjusting; Hammock; Mosquito Canopy; Turn-over Canopy) .....AAA  
**CONN.**—New Haven  
Cowles & Co., C. (Inc.) (Curtain) .....A  
Hendryx & Co., Andrew B. (Exhibit) .....A  
**CONN.**—Pine Meadow  
Chapin, Stephens Co. (Turn-



**FRAMES (Con.)**

ing Saw) .....A  
**CONN.—Stonington**  
 Atwood-Morrison Co. (Re-  
 drawing; Silk Quilting;  
 Spooling; Silk Warping)  
 AA  
**CONN.—Torrington**  
 Union Hardware Co. (Hack  
 Saw) .....AA  
**CONN.—Waterbury**  
 American Pin Co. (Plush)  
 AA  
**ILL.—Chicago**  
 Andrews Co., A. H. (Nu-  
 meral) .....AA  
 Chicago Clothes Dryer Wks.  
 (Clothes Drying) .....D  
 Continental Mfg. Co. (Furni-  
 ture) .....B  
 Fairbanks, Morse & Co.,  
 Franklin & Monroe (Wood  
 Saw; with Arbors).AAAA  
 Hausske & Co., Aug. (Inc.)  
 (Furniture) .....B  
 Illinois Malleable Iron Co.  
 (Manhole) .....AAAA  
 Knisely Bros., 5th Av. &  
 23th (Metallic Window)  
 A  
 Miller & Bro., Jas. A., 129  
 S. Clinton (Metallic Win-  
 dow) .....A  
 Mueller Bros. Art & Mfg.  
 Co. (Picture) .....B  
 National Parlor Furniture  
 Co. (Furniture) .....A  
 National Portrait Co. (Pic-  
 ture) .....E  
 Richter Co., August F. (Pic-  
 ture) .....B  
 Street & Co., R. R. (Har-  
 ness) .....A  
 Western Parlor Frame Co.  
 (Furniture) .....F  
**ILL.—Kankakee**  
 Sheldon Novelty Co. (Pho-  
 tograph) .....A  
**IND.—Evansville**  
 Linderschmidt, H. & G.  
 (Awning) .....F  
**IND.—Indianapolis**  
 Atkins & Co., E. C. (Band  
 Saw; Brazing; Hack Saw)  
 AAAA  
 Chandler & Taylor Co.  
 (Buck Saw) .....AA  
 Lieber Co., H. (Picture).AA  
 Tucker & Dorsey Mfg. Co.  
 (Buck Saw; Hack Saw).A  
**KY.—Covington**  
 Ohio Scroll & Lumber Co.  
 (Furniture) .....D  
**MASS.—Athol**  
 Athol Machine Co. (Grind-  
 stone) .....B  
 Starratt Co., L. S. (Hack  
 Saw) .....A  
**MASS.—Boston**  
 Badger & Sons' Co., E. B.,  
 63 Pitt (Metallic Win-  
 dow) .....B  
 Boston Hat & Bonnet Frame  
 Co., 42 Chauncey (Bon-  
 net) .....X  
 Brown & Co., C. A., 94  
 Arch (Hat) .....AA  
 Coffin Valve Co. (Manhole)  
 D  
 Firth Co., Wm., 150 Dev-  
 onshire (Cotton Drawing;  
 Roving; Slubbing) ....D  
 Hicks & Sons, S. D., 9  
 Bowker (Metallic Win-  
 dow) .....B  
 Hill, Clarke & Co., 156  
 Oliver (Grindstone) ....A  
 Jameson & Co., J. M., 20  
 Chauncey (Hat) .....D  
 McKerrow & Co., H. G., 31  
 State (Cotton Drawing;  
 Roving) .....X  
 Riley & Co., C. E., 65  
 Franklin (Jack; Roving;  
 Spinning) .....A  
 Stoddard, Haserick, Rich-  
 ards & Co., 152 Congress  
 (Cotton Fly; Gassing).B  
 United Shoe Machinery Co.  
 (Turning) .....AAAA

**FRAMES (Con.)**

**MASS.—Everett**  
 Faxon Co., Geo. H. (Plane)  
 D  
**MASS.—Fall River**  
 Fall River Foundry & Ma-  
 chine Co. (Cotton Draw-  
 ing; Cotton Fly; Ring  
 Spinning; Roving; Spin-  
 ning; Wool Spinning) ...F  
**MASS.—Fitchburg**  
 Putnam Machine Co.  
 (Grindstone) .....A  
**MASS.—Hopedale**  
 Draper Co. (Roving).AAAA  
**MASS.—Lowell**  
 Lowell Machine Shop (Cot-  
 ton Drawing; Cotton Fly;  
 Ring Spinning; Roving;  
 Slubbing) .....AAAA  
**MASS.—Newton Upper Falls**  
 Saco & Petee Machine Shops  
 (Cotton Drawing; Cotton  
 Fly; Ring Spinning; Rov-  
 ing; Slubbing; Spinning)  
 AAA  
**MASS.—Springfield**  
 Taber-Frang Art Co. (Pic-  
 ture) .....AA  
**MASS.—Taunton**  
 Mason Machine Works (Cot-  
 ton Drawing; Ring Spin-  
 ning; Spinning) .....AA  
**MASS.—Whitinsville**  
 Whitin Machine Works (Cot-  
 ton Drawing; Cotton Fly;  
 Ring Spinning; Spinning)  
 AAAA  
**MASS.—Worcester**  
 American Card Clothing Co.  
 (Wool Spinning) ....AAA  
 Crompton & Knowles Loom  
 Works (Harness) .AAAA  
 Hill Dryer Co. (Clothes Dry-  
 ing) .....D  
 Johnson & Bassett (Wool  
 Spinning) .....A  
**MICH.—Battle Creek**  
 Buechner Mfg. Co. (Display  
 Case) .....E  
**MICH.—Detroit**  
 Haberkorn & Co., C. H.  
 (Furniture) .....A  
 Hargreaves Mfg. Co. (Pho-  
 tograph) .....A  
 Widman & Co., C. D. (Mir-  
 ror) .....A  
**MICH.—Grand Rapids**  
 Baldwin, Tuthill & Bolton  
 (and Saw; Brazing) ...B  
**MO.—St. Louis**  
 Baxter Moulding Co. (Pic-  
 ture) .....D  
 Hyatt, H. A. (Printers')...C  
 Southwestern Straw Works,  
 Bennett & Leffingwell  
 (Hat) .....D  
 Webber Moulding Co., J. R.  
 (Picture) .....B  
**N. H.—Nashua**  
 Maine Mfg. Co. (Door; Win-  
 dow Screen) .....A  
**N. J.—Elizabeth**  
 Braunsdorf - Mueller Co.  
 (Hack Saw) .....D  
**N. J.—Harrison**  
 Headley & Farmer Co.  
 (Bag) .....A  
 Hellmann Co. (Bag) .....B  
 Osborn Mfg. Co., J. A.  
 (Chatelaine Bag) .....A  
**N. J.—Hoboken**  
 Schimper & Co., Wm. (Pho-  
 tograph) .....AA  
**N. J.—Newark**  
 Goertz & Co., Aug. (Satchel)  
 B  
 Jenkinson & Co., R. C.  
 (Bag; Suit Case) ....AA  
 National Saw Co. (Cabinet;  
 Turning Saw) .....B  
 Neumann & Co., R. (Bag)  
 B  
 Newark Purse Frame Mfg.  
 Co. (Chatelaine Bag)...E  
 Peddie & Co., T. B. (Bag)  
 AA  
 Poeter & Co., E. (Chate-  
 laine Bag) .....E  
**N. J.—Paterson**  
 Royle & Sons, Jno. (Hand  
 Lacing) .....A

# FRAMES (Con.)

N. J.—Trenton  
 Stahl, Harry E. (Bicycle). F  
 N. Y.—Brooklyn  
 Prahar, Louis B., 124 Pearl  
 (Chatelaine Bag) ..... C  
 N. Y.—Buffalo  
 Buffalo Forge Co. (Heating  
 Register) ..... AAA  
 Diamond Saw & Stamping  
 Works (Butcher Saw) .. D  
 Howard Iron Works (Grind-  
 stone) ..... A  
 Rogers & Co., S. C. (Band  
 Saw; Brasing) ..... C  
 N. Y.—East Syracuse  
 Benedict Mfg. Co., M. T.  
 (Photograph) ..... AA  
 N. Y.—Middletown  
 Morgan & Wilcox Mfg. Co.  
 (Roller) ..... C  
 New York City  
 American Frame & Band  
 Iron Co. (Dress Suit Case,  
 &c.) ..... E  
 American Wood Working  
 Machine Co. (Band Saw;  
 Brasing) ..... AAAA  
 Beers Bros. (Picture) .... D  
 Blanck & Co. (Mirror) ..... X  
 Cornell Co., J. B. & J. M.  
 (Building; Iron) ..... AA  
 Dahlmeyer, John (Advertis-  
 ing) ..... F  
 Davenport & Treacy Piano  
 Co. (Piano) ..... B  
 Dieter & Sons' Co., Jacob  
 (Mirror) ..... D  
 Estes & Sons, E. B. (Wire  
 Mattress) ..... AA  
 Fleck, M., 442 Pleasant Av.  
 (Clothes Drying) ..... B  
 Folmer & Schwing Mfg. Co.,  
 42 Broome (Printers') ... C  
 Garvin Machine Co. (Grind-  
 stone) ..... AA  
 Gotthold & Co. (Bonnet;  
 Hat) ..... A  
 Grote & Co., F. (Ivory Fan)  
 D  
 Hale & Co. (Furniture) ... A  
 Hofstatter's Sons (Furni-  
 ture) ..... X  
 Judd & Co., H. L. (Inc.)  
 (Card; Mosquito Canopy;  
 Photograph) ..... AA  
 Lippe & Co. (Picture) .... B  
 Mace & Co., L. H. (Quilt-  
 ing) ..... B  
 Mendelson & Finkel Umbrel-  
 la Frame Co., 740 B'way  
 (Umbrella) ..... D  
 Messer Co., B. (Pocket  
 Book; Purse) ..... E  
 Metal Stamping Co. (Cur-  
 tain) ..... A  
 Millers' Falls Co., 28 War-  
 ren (Bracket Saw; Hack  
 Saw) ..... AA  
 National Umbrella Frame  
 Co., 225 W. 59th (Um-  
 brella) ..... A  
 Niles-Bement-Pond Company  
 (Grindstone) ..... AAAA  
 Palmenberg's Sons, J. R.  
 (Exhibit) ..... X  
 Peck, Stow & Wilcox Co.  
 (Card; Drawer) ..... AAAA  
 Rice's Sons, Bernard (Pho-  
 tograph) ..... A  
 Rudolph, O. (Picture) ... D  
 Russell & Erwin Mfg. Co.,  
 43 Chambers (Cards;  
 Drawer) ..... AAAA  
 Smith, G. W., 127 Manhat-  
 tan (Clothes Drying) ... F  
 Smith & Hemenway Co., 296  
 B'way (Hack Saw) ..... D  
 Stadecker & Emsheimer  
 (Bonnet; Hat) ..... AA  
 Strauss, Michael, 373 B'way  
 (Dress Suit Case, &c.) ... X  
 Victor Distributing & Ex-  
 port Co., 77 Chambers  
 (Photograph) ..... C  
 Wilmurt's Sons, T. A. (Mir-  
 ror; Picture) ..... D  
 Yale & Towne Mfg. Co.  
 (Card; Drawer) ..... AAAA  
 N. Y.—Rochester  
 American Drafting Furni-  
 ture Co., 223 Mill (Blue

# FRAMES (Con.)

Print) ..... B  
 Gillis & Co., J. W. (Picture)  
 A  
 N. Y.—Syracuse  
 Stearns & Co., E. C.  
 (Screen) ..... AA  
 Syracuse Moulding Co. (Pic-  
 ture) ..... D  
 N. Y.—Utica  
 Latimer & Adams (Furni-  
 ture) ..... C  
 Palmer, C. F., 171 Blandine  
 (Clothes Drying) ..... C  
 Williams Co., J. H. (Har-  
 ness) ..... A  
 OHIO—Cincinnati  
 Schreiber & Sons' Co., L.  
 (Awning) ..... AA  
 Sebastian Lathe Co. (Grind-  
 stone) ..... B  
 OHIO—Cleveland  
 Cleveland City Forge & Iron  
 Co. (Locomotive) ..... AA  
 Cleveland Stoc. Fixture Co.  
 (Grindstone) ..... B  
 Cleveland Stone Co. (Grind-  
 stone) ..... AAAA  
 Garry Iron & Steel Co.  
 (Building; Iron) ..... A  
 OHIO—Columbus  
 Ohio Tool Co. (Buck Saw)  
 AA  
 OHIO—Toledo  
 Toledo Moulding Co. (Pic-  
 ture) ..... A  
 PA.—Allegheny  
 Carlin's Sons, Thos. (Stop  
 Cock) ..... A  
 PA.—Allentown  
 Johnson & Swartz (Furni-  
 ture) ..... AA  
 PA.—Beaver Falls  
 Knott, Harker & Co. (Fire  
 Place) ..... AA  
 PA.—Erie  
 Walker Foundry Co. (Piano)  
 B  
 PA.—Lancaster  
 Hubley Mfg. Co. (Mirror;  
 Photo. Metal; Int'l Sil-  
 ver Co.) ..... A  
 PA.—Philadelphia  
 Altemus, Jacob K. (Cotton  
 Drawing; Cotton Fly) ... C  
 Calver & Co., John W., 704  
 Arch (Bonnet; Hat) ... E  
 Diamond Textile Machine  
 Works, 2d & Diamond  
 (Ring Spinning; Roving;  
 Slubbing; Spinning; Wool  
 Spinning) ..... D  
 Disston & Sons, H. (Cabi-  
 net & Turning Saw; Hack  
 Saw; Turning Saw) ... AA  
 Haines, Wm. A. (Photo-  
 graph) ..... A  
 Hall & Garrison Mfg. Co.  
 (Mirror; Door; Window;  
 Picture) ..... X  
 Jefferson & Bro., Edw., 127  
 S. 2d (Spinning) ..... D  
 McArdle, Arthur (Est. of)  
 (Awning) ..... B  
 McCalla, Harold, 619 N.  
 Front (Suit Case) ..... D  
 Midvale Steel Co. (Locomo-  
 tive) ..... AAAA  
 Rumpp & Sons, C. F. (Pho-  
 tograph) ..... AAAA  
 Smith Woolen Machinery  
 Co., 411 Race (Wool Spin-  
 ning; Roving) ..... AA  
 PA.—Pittsburg  
 Gillespie & Co. J. J. (Pic-  
 ture) ..... B  
 Jones & Laughlins Steel Co.  
 (Binder) ..... AAAA  
 Ritter-Conly Co. (Head;  
 Mining) ..... AAAA  
 PA.—Reading  
 National Brass & Iron Wks.  
 (Mirror; Photograph) ... A  
 Reading Hdw. Co. (Card;  
 Drawer) ..... AAAA  
 PA.—Wilkesbarre  
 Vulcan Iron Works (Loco-  
 motive) ..... AAAA  
 R. I.—Pawtucket  
 Brown Mach. Co., James  
 (Ring Spinning) ..... A

**FRAMES (Con.)**

Fales & Jenks Machine Co.  
(Ring Spinning) ....AAA  
Howard & Bullough Amer-  
ican Machine Co. (Ltd.)  
(Cotton Drawing; Inter-  
mediate; Jack; Roving;  
Slubbing; Spinning) .AAA  
R. I.—Providence  
Barstow & Williams (Pho-  
tograph) .....C  
Brown Bros. Co. (Cotton  
Fly; Harness) .....B  
Franklin Machine Co. (Cot-  
ton Drawing; Ring Spin-  
ning) .....A  
Providence Machine Co.  
(Cotton Drawing; Cotton  
Fly; Ring Spinning; Roving;  
Slubbing) .....AA  
Woonsocket Machine &  
Press Co. (Cotton Fly;  
Ring Spinning; Roving) .AA

**VT.—Post Mills**

Chubb Rod Co., T. H.  
(Landing Net) .....A

**VA.—Richmond**

Richmond Wood Working  
Co. (Furniture) ..AAAA

**WIS.—Milwaukee**

Filer & Stowell Co. (Ltd.)  
(Band Saw; Brazing) .AAA

Meinecke & Son, A. (Wool  
Spinning) .....AA

**WIS.—Oshkosh**

Gould Mfg. Co. (Doors;  
Window) .....A

**WIS.—Racine**

Belle City Mfg. Co. (Hack  
Saw) .....B

Gold Medal Camp Furniture  
Mfg. Co. (Hammock; Mos-  
quito Bar) .....B

**WIS.—Two Rivers**

Hamilton Mfg. Co. (Roller)  
AA

**FREEZERS****N. H.—Nashua**

White Mountain Freezer Co.  
(Ice Cream) .....A

**N. Y.—Ithaca**

Treman, King & Co. (Ice  
Cream) .....A

**New York City**

Cordley & Hayes (Ice  
Cream) .....AAA

Orandall & Godley Co. (Ice  
Cream) .....AA

Slotkin & Praglin, 210 Can-  
al (Ice Cream; Foot  
Power) .....B

**N. Y.—Syracuse**

Stearns & Co., E. C. (Ice  
Cream) .....AA

**OHIO—Cincinnati**

Dana Mfg. Co. (Ice Cream)  
A

Day & Co., J. H. (Ice  
Cream) .....A

Kingery Mfg. Co. (Ice  
Cream) .....C

Tatum Co. (The), Samuel C.  
(Ice Cream) .....B

**PA.—Philadelphia**

Anderson & Co., J. P. (Ice  
Cream) .....X

Mills & Bro., Thos. (Ice  
Cream) .....A

North Bros. Mfg. Co. (Ice  
Cream) .....A

Packer, Chas. W. (Ice  
Cream) .....D

**FRETWORK:**

See Grilles

**FRICTIONS****ILL.—Chicago**

Weller Mfg. Co. (Paper) ..A

**IND.—Indianapolis**

Rockwood Mfg. Co. (Paper)  
A

**FRIERS**

MASS.—Worcester

**FRIERS (Con.)**

National Mfg. Co. (Potato)  
A  
Wire Goods Co. (Potato) ..A  
MO.—St. Louis  
St. Louis Stamping Co. (Po-  
tato) .....AAAA  
N. Y.—Cortland  
Wickwire Bros. (Potato)  
AAAA

**New York City**

Thurnauer & Bro., G. M., 35  
Park Pl. (Egg) .....X

**OHIO—Hamilton**

Meyers Mfg. Co. (Potato) ..B

**PA.—Philadelphia**

Darby & Sons, Edw., 233  
Arch (Potato) .....A

**PA.—Boyersford**

Royal Gas Stove & Fdy. Co.  
(Croquette) .....C

**FRIEZES**

See Woolen Goods

**FRILLS****CONN.—Waterbury**

American Mills Co. ....A

**MASS.—Boston**

Hub Gore Makers (Elastic)  
A

**MASS.—Easthampton**

Colton, Geo. S. (Elastic) ..A

Nashawannuck Mfg. Co.  
(Elastic) .....AA

**PA.—Philadelphia**

Adamson & Co., Joseph ...A

**FRINGES:****SILK ETC**

See Trimmings; Upholstery  
& Trimmings; Dress

**FROGS****ALA.—Anniston**

Alabama Frog & Switch Co.  
(also Switches; Cross-  
ings) .....C

**ILL.—Chicago**

Ajax Forge Co., 138 Jack-  
son Boul. (also Switches;  
Crossings) .....AA

Morden Frog & Crossing  
Works, The Rookery (also  
Switches; Crossings) ...A

Tilden Co., B. F., Monad-  
nock Bld. (Replacing) ...D

**ILL.—East St. Louis**

Elliott Frog & Switch Co.  
(Spring Frogs; Split  
Switches; Switch Stands;  
Wrecking) .....AA

**ILL.—Harvey**

Buda Foundry & Mfg. Co.  
(also Switches; Crossings)  
AA

**ILL.—Elkhart**

Elkhart Frog & Crossing  
Works (also Switches;  
Crossings) .....C

**KY.—Louisville**

Louisville Bridge & Iron  
Co., 11th & Oldham (also  
Switches; Crossings) ...A

**MASS.—Cambridge**

Barbour-Stockwell Co. (also  
Switches; Crossings;  
Street Railway) .....A

**MASS.—Springfield**

Wason Mfg. Co. (also  
Switches; Crossings) ...AA

**MO.—St. Louis**

Green's Car Wheel Mfg. Co.  
(also Switches; Crossings)  
A

Railway Supply Co., Bed-  
ford Bldg. (also Switches;  
Crossings) .....D

**N. J.—Hoboken**

New York Switch & Cross-  
ing Co., 15th & Madison  
(also Switches; Crossings)  
A

**N. Y.—Hillburn**

Ramapo Iron Works (also  
Switches; Crossings) .AAA

**FROGS (Con.)**

**New York City**  
 Cornell Co., J. B. & J. M.,  
 26th & 11th Av. (also  
 Switches; Crossings) AA  
 Koppel, Arthur, 68 Broad  
 (also Switches; Crossings) A  
 White Mfg. Co., 556 W.  
 34th (also Switches;  
 Crossings) D  
**N. C.—Statesville**  
 Steele & Sou, J. C. (also  
 Switches) B  
**OHIO—Cincinnati**  
 Weir Frog Co., cor. Front  
 & Smith (also Switches;  
 Crossings) A  
**OHIO—Cleveland**  
 Atlas Bolt & Screw Co.  
 (Railroad) AA  
 Cleveland Frog & Crossing  
 Co., 16 Bessemer Av.  
 (Spring Rail; Wrecking) B  
**OHIO—Hamilton**  
 American Frog & Switch  
 Co. (also Switches; Cross-  
 ings) A  
**OHIO—Springfield**  
 Indianapolis Switch & Frog  
 Co. (also Switches; Cross-  
 ings) B  
**PA.—Allentown**  
 Allentown Rolling Mills  
 (also Switches; Crossings) AAA  
**PA.—Chester**  
 Chester Steel Castings Co.  
 (also Switches; Crossings) AA  
 Johnson Railroad Frog &  
 Switch Co. (also Switches;  
 Crossings) B  
**PA.—Johnstown**  
 Lorain Steel Co. (also  
 Switches; Crossings) AAAA  
**PA.—Philadelphia**  
 Midvale Steel Co. (also  
 Switches; Crossings) AAAA  
 Wharton, Jr. & Co., Wm.  
 (Inc.) 25th & Washn. Av.  
 (also Switches; Crossings) AAA  
**PA.—Steelton**  
 Pennsylvania Steel Co. (also  
 Switches; Crossings; Mine  
 Track) AAAA  
**PA.—Swissvale**  
 Union Switch & Signal Co.  
 (also Switches; Cross-  
 ings) AAAA  
**PA.—Wilkesbarre**  
 Vulcan Iron Works (also  
 Switches; Crossings; Mine  
 Track) AAAA  
**WIS.—Milwaukee**  
 Falk Co., foot 30th (also  
 Switches; Crossings) AAA

**FRONTS**

**ILL.—Chicago**  
 Globe Iron Works (Store). B  
**IND.—South Bend**  
 Studebaker Bros. Mfg. Co.  
 (Bridle) AAAA  
**MASS.—Worcester**  
 Wheeler Fdy. Co. (Store). D  
**MINN.—St. Paul**  
 St. Paul Roofing, Cornice  
 & Ornament Co. (Iron  
 Building) B  
**MO.—St. Louis**  
 Christopher & Simpson Arch-  
 itectural Iron & Fdy. Co.  
 (Store) AA  
 Mesker & Bros. (Iron Build-  
 ings) AA  
**NEBR.—Omaha**  
 Paxton & Vierling Iron Wks.  
 (Store; Boiler) AA  
**N. J.—Jersey City**  
 National Sheet Metal Roof-  
 ing Co. (Building; Sheet  
 Iron) C  
**New York City**  
 Cornell Co., J. B. & J. M.

**FRONTS (Con.)**

(Iron; Building; Store)  
 AA  
 Dimond, Thomas (Iron;  
 Building) A  
 Mott Iron Works, J. L.  
 (Grate) AAA  
 Rutzler Co., E. (Boiler) AA  
**N. Y.—Syracuse**  
 Frazer & Jones Co. (Bridle)  
 AA  
**OHIO—Canton**  
 Berger Mfg. Co. (Sheet  
 Iron; Building) AA  
 Gilliam Mfg. Co. (Coach). A  
**OHIO—Cleveland**  
 Avery Stamping Co. (Boiler) B  
**OHIO—New Berlin**  
 Hoover, W. H. (Bridle) A  
**PA.—Erie**  
 Erie Engine Works (En-  
 gine) A  
**PA.—Harrisburg**  
 Harrisburg Mfg. & Boiler  
 Co. (Boiler) A  
**PA.—Kutztown**  
 Kutztown Foundry & Ma-  
 chine Co. (Boiler) A  
**PA.—Lancaster**  
 Best, John (Boiler) B  
**PA.—Philadelphia**  
 Gara, McGinley & Co. (Iron;  
 Building) A  
**PA.—Pittsburg**  
 Munroe & Son, R. (Boiler)  
 AA  
**PA.—Wilkesbarre**  
 Vulcan Iron Works (Iron;  
 Building; Store; Boiler) AAAA  
**PA.—Williamsport**  
 Valley Iron Wks. (Boiler) A  
**TENN.—Chattanooga**  
 Chattanooga Roofing & Fdy.  
 Co. (Building; Sheet Iron) A  
**TENN.—Memphis**  
 Chickasaw Iron Wks. (Iron;  
 Building; Store; Boiler) A  
**TEXAS—Fort Worth**  
 Fort Worth Iron & Steel  
 Mfg. Co. (Iron; Building) A  
**WIS.—Racine**  
 Freeman & Sons Mfg. Co., S.  
 (Boiler) A

**FRUIT: GREEN**

See Produce List in Appen-  
 dix

**FRUIT:  
CANNED**

See Canned Goods

**FRUIT: DRIED**

See also Prunes; Raisins  
 For Preserved Fruit see  
 Jams; Jellies, etc.

**CAL.—Armona**  
 Armsby Co., J. K. (Br. Chi-  
 cago) A  
 Downing, Charles C  
**CAL.—Campbell**  
 Campbell Fruit Growers'  
 Union C  
**CAL.—Chico**  
 Warren, E. A. C  
**CAL.—Colton**  
 California Fruit Cannery As-  
 sociation AAAA  
**CAL.—Courtland**  
 California Fruit Cannery  
 Association AAAA  
**CAL.—Cupertimo**  
 Le Quesne, E. C  
**CAL.—Fowler**  
 Chaddock & Co. A  
 Phoenix Seeded Raisin &  
 Packing Co. B  
**CAL.—Fresno**  
 Bonner Vineyard Co. B  
 California Fruit Cannery Ac-  
 sociation AAAA

**FRUIT DRIED (Con.)**

California Raisin Growers Association .....B  
 Griffin & Skelly Co. ....A  
 Hammond, T. J. (Packer) C  
 Inderrieden & Co., J. B. AA  
 Phoenix Seeded Raisin & Packing Co. ....B  
 Producers' Raisin Packing Co. ....B  
**CAL.—Geyserville**  
 Walden & Co. ....A  
**CAL.—Glendora**  
 Gregory Fruit Co. ....C  
**CAL.—Guberville**  
 Cox & Sons, W. ....C  
**CAL.—Hanford**  
 California Fruit Cannery Association .....AAAA  
**CAL.—Los Angeles**  
 Armsby Co., J. K., 121 W. 3d (Brokers) .....A  
 Bishop & Co. ....AA  
 Germain Fruit Co. (Inc.) A  
 Inderrieden Co., J. B. (Br. Chicago) .....AA  
 Johnson Carvell Co., 251 San Pedro .....C  
 Ruddock, Trench & Co., 314 W. 4th .....AA  
 Simpson & Hack Fruit Co. (Inc.) .....C  
**CAL.—Los Gatos**  
 Shaner & Co., J. J. ....C  
**CAL.—Madeira**  
 Sayre, A. L. ....B  
**CAL.—Marysville**  
 California Fruit Cannery Association .....AAAA  
**CAL.—Modesto**  
 McHenry Seeded Raisin Co. AA  
**CAL.—Niles**  
 Niles Co-operative Fruit Association .....C  
**CAL.—Oakland**  
 California Fruit Cannery Association .....AAAA  
**CAL.—North Ontario**  
 North Ontario Packing Co. C  
**CAL.—Oleander**  
 Oleander Packing Co. ....C  
**CAL.—Pomona**  
 Pomona Cured Fruit Union C  
**CAL.—Redlands**  
 Gregory Fruit Co. ....C  
**CAL.—Riverside**  
 Pattee & Lett Co. ....AAAA  
**CAL.—Sacramento**  
 California Fruit Cannery Association .....AAAA  
 Castle Bros. ....AA  
**CAL.—San Diego**  
 Hersey, Ralph W. ....B  
 Levi, Simon .....B  
**CAL.—San Francisco**  
 Alina Colony Corporation, Crosley Bldg. ....A  
 Balfour, Guthrie & Co., 316 California .....AAAA  
 California Commission Co., 124 California .....B  
 California Fruit Cannery Association, Pine & Battery .....AAAA  
 California Green & Dried Fruit Co., 327 Market A  
 Castle Bros., 463 Mission AA  
 Dennison, Fieweger & Co., 117 Sacramento .....B  
 Getz Bros. & Co., 111 California .....AAAA  
 Gray & Barbieri, 309 Washington .....B  
 Gray, Lang & Stroh, Luning Bldg. ....C  
 Griffin & Skelley Co., 132 Market .....A  
 Ivancovich & Co., J., 211 Washington .....A  
 Johnson-Locke Mercantile Co., 123 California .....A  
 Lyden & Co. ....B  
 Phoenix Raisin Seeding & Packing Co., 3 California B

**FRUIT DRIED (Con.)**

Pike & Co., C. W., 124 California (Brokers) .....C  
 Rosenberg Bros. & Co., 211 California .....A  
 Russ, Early & Harville, 125-129 Davis .....A  
 Seropian Bros., 406 California (Brokers) .....A  
 Sorosis Fruit Co., 101 Sansome .....A  
 Ulrichs & Co., J. F., 120 Clay .....A  
 Wolf & Co., Philip, 419 Battery .....A  
**CAL.—San Jose**  
 A. & C. Ham Co. ....A  
 California Cured Fruit Association .....B  
 California Fruit Cannery Association .....AAAA  
 Castle Bros. ....AA  
 Costa Orchard Canning Co. A  
 Cured Fruit Assn. of California .....A  
 Frank & Co., George .....C  
 Griffin & Skelley Co. AA  
 Herbert, Geo. N. ....C  
 Inderrieden Co., J. B. ....AA  
 Losse & Co., H. E. ....A  
 Phoenix Dried Fruit Co. B  
 Santa Clara Co. Fruit Union B  
 Warren Dried Fruit Co. C  
**CAL.—Santa Clara**  
 Cured Fruit Association of California .....A  
 Haines, S. S. ....C  
**CAL.—Santa Rosa**  
 Merritt Fruit Co. ....C  
**CAL.—Saratoga**  
 Saratoga Packing Co. B  
 Sorosis Fruit Co. ....A  
**CAL.—Sebastopol**  
 Huntley, G. W. ....C  
**CAL.—Stockton**  
 Thompson & Folger Co. B  
**CAL.—Suisun**  
 Alden-Anderson Fruit Co. C  
 Luehning, E. ....C  
**CAL.—Toluca**  
 Toluca Packing Co. ....C  
**CAL.—Vacaville**  
 Buck & Co., F. H. ....A  
 Pinkham & McKevitt B  
**CAL.—Visalia**  
 Armsby Co., J. K. (Br. Chicago) .....A  
 Downing, C. ....C  
 Pinkham & McKevitt B  
**CONN.—Hartford**  
 Bentley Co., G. W. (Bkrs.) B  
**ILL.—Chicago**  
 Armsby Co., J. K., 46 River (Br. Chicago) .....A  
 California Package Fruit Co., 53 River .....C  
 Durand & Kasper Co., 153 W. Lake .....AAA  
 Fry & Co., M., 34 Clark (Brokers) .....C  
 Holden, C. N. (Bkrs.) A  
 Inderrieden Co., J. B., 86 River (Bkrs.) .....AA  
 Knight & Co., W. S., 2 Wabash Av. (Bkrs.) B  
 Leslie & Co., J. H., 29 Michigan Av. (Bkrs.) A  
 Newhall & Sons, F., 131 S. Water .....AA  
 Reid, Murdock & Co., Lake & Market (Jobbers) AAAA  
 Smith Co., H. W., 189 S. Water (Brokers) A  
 Weaver & Co., C. H., 129 S. Water .....A  
 Webber & Co., C. M. (Bkrs.) C  
 Wing & Co., L. R., 2 Wabash Av. (Bkrs.) B  
**ILL.—Salem**  
 Rogers & Schwartz (Evap.) C  
**IOWA—Des Moines**  
 Peycke Bros. & Chancy A  
**IOWA—Glenwood**  
 New Glenwood Canning Co. C

**FRUIT DRIED (Con.)**

**IOWA**—Sioux City  
Haley & Lang Co. ....A  
**KY.**—Louisville  
Herndon, Carter Co., 313  
Murrell Ct. ....C  
Sabel Sons', M. ....A  
**LA.**—New Orleans  
Dunbar Sons', G. W., 317  
Magazine (Figs) ....A  
**MD.**—Baltimore  
Continental Commercial Co.,  
1630 Bank ....B  
Dix & Wilkins, 9 E. Lom-  
bard ....AA  
Jackson & Co., R. S., 118  
S. Charles (Packers) ..B  
Seward & Co., J. H., Pier-  
ft. Mill ....B  
**MASS.**—Boston  
Bently Co., Geo. W., 192  
State (Brokers) ....B  
Chany, John, 12 India (Bkr.)  
C  
Dudley & Co., H., Board  
Trade Idg. (Bkrs.) ....A  
Howe & Co., F. C., 156  
State (Brokers) ....C  
**MASS.**—Lawrence  
Slayton Co., E. M. ....A  
**MASS.**—Worcester  
Blodgett Co., W. H. ....B  
**MICH.**—Detroit  
Braid & West, 149 Jeffer-  
son Av. (Bkrs.) ....C  
Reynolds & Co., F. P., 16  
W. Woolbridge (Bkrs.) ..C  
**MICH.**—East Tawas  
National Milling & Evap.  
Co. ....C  
**MICH.**—Grand Rapids  
Moseley Bros. ....A  
**MICH.**—Lansing  
Genesee Fruit Co. ....AA  
**MICH.**—Owosso  
Thomas, A. T. (Evap.) ...C  
**MICH.**—Sebewaing  
Likens & Co., J. C. (Evap.)  
A  
**MICH.**—Stockbridge  
De Puy Co., C. E. ....C  
**MINN.**—Minneapolis  
Park Co., L. M., 6 N. 3d ..B  
Potter Co., E. G. ....C  
Preece & Co., T. J., 9 N.  
3d ....D  
**MINN.**—St. Paul  
Park Co., Louis M., Drake  
Bldg. (Bkrs.) ....B  
**MO.**—Kansas City  
Ford & Doan, 1209 W. 9th  
(Brokers) ....C  
Ginocchio-Jones Fruit Co.,  
519 Walnut ....A  
Goodlett & Bolles, 1422 St.  
Louis Av. (Bkrs.) ....B  
Peycke Bros. Com. Co., 2d &  
Main (Bkrs.) ....A  
Seavey & Flarsheim, 1324  
Union Av. ....B  
**MO.**—Kirkville  
Kirkville Canning & Pick-  
ling Factory ....B  
**MO.**—St. Joseph  
Seavey & Flarsheim, 1317  
St. Louis Av. ....B  
**MO.**—St. Louis  
Ford & Doan, 312 N. 2d  
(Brokers) ....C  
Funsten & Co., R. E., 300  
N. Coml. ....B  
Gettys & Gilbert, 806  
Spruce (Bkrs.) ....C  
Hoffman Bros. Produce Co.,  
700 N. 2d ....B  
Hudson Bros. Com. Co., 212  
N. 2d ....B  
Triecklinger & Stern, 813  
Spruce (Bkrs.) ....B  
**NEBR.**—Omaha  
Peycke Bros. Com. Co., 1009  
Howard (Bkrs.) ....A  
Russell Brokerage Co., 215  
S. 13th ....C  
Seavey & Flarsheim, 1008  
Jackson (Bkrs.) ....B  
**N. J.**—Newark  
Johnson & Co., T. F., 77  
Mechanic ....A  
**N. Y.**—Albion  
Doyle & Co., M. ....A

**FRUIT DRIED (Con.)**

Rogers, L. R. (Evap. Apple)  
C  
**N. Y.**—Alton  
Miles, G. B. ....C  
**N. Y.**—Baldwinsville  
Toil & Clark ....C  
**N. Y.**—Buffalo  
Brennisen & Son, F., 156  
Michigan ....B  
Erle Preserving Co., 941 W.  
Perry ....AA  
**N. Y.**—Cato  
Hapeman & Goodfellow  
(Apples) ....C  
**N. Y.**—Hilton  
Upton & Co., E. M. ....AA  
**N. Y.**—Holly  
Genesee Fruit Co. (Evap.  
Apples) ....AA  
Pettengall & Son, W. T. ...C  
**N. Y.**—Lookport  
Shaeffer, W. E. (Evap. Ap-  
ples) ....C  
**N. Y.**—Mt. Morris  
White, J. F. (Agt.) ....B  
**N. Y.**—Naples  
Hemenway, Geo. B. ....C  
**N. Y.**—Newark  
Perkins Co., C. H. ....AA  
Pierson & Co., E. V. (Evap.)  
B  
Smith & Hyde (Raspberry)  
B  
**New York City**  
Allen & Co., W. L., 19  
Jay ....AA  
Armsby Co., J. K., 87 Hud-  
son (Br. Chicago) ....A  
Arquimbau & Ramee, 84  
Thomas (Imptrs.) ....B  
Bennett, Day & Co., 96 Hud-  
son (Imptrs.) ....A  
Causse Mfg. Co., A. L., 105  
Hudson ....B  
Dudley & Co., W. H., 49  
Hudson (Bkrs.) ....A  
Erle Preserving Co., 107  
Hudson (Apples) ....AA  
Genesee Fruit Co., 501 West  
AA  
Hartwig & Bennett, 61 N.  
Moore ....A  
Hawkesworth, J. A., 10 Jay  
(Broker) ....A  
Higgins & Co., W. A., 374  
Washington ....B  
Hills Bros. Co., 377 Wash-  
ington ....AA  
Howe & Co., C. T., 51  
Hudson (Bkrs.) ....C  
Hurley & Co., J. B., 90 W.  
B'way. (Bkrs.) ....B  
Johnston, North & Co., 21  
Harrison (Bkrs.) ....C  
Kraus & Stettin, 105 Hud-  
son ....B  
Lumsden, J. W., 260 Wash-  
ington ....C  
Oettinger Bros., 336 Green-  
wich (Bkrs.) ....C  
Rafferty & Hoosier, 67  
Front ....B  
Rosenstein Bros. (Inc.), 96  
N. Moore ....AA  
Schaefer, J. W., 6 Harrison  
B  
Seggerman Bros., 91 Hudson  
B  
Sneckner & Quimby, 146  
Reade ....B  
Starace, A., 76 Pearl ....B  
Stout, J. R. (Broker) ....A  
Thompson, G. H., 107 Hud-  
son ....B  
Turtle & Skidmore, 105 Hud-  
son (Bkrs.) ....B  
Wakeman & Co., John, 65  
Broad ....A  
Zucca & Co., 235 West ...C  
**N. Y.**—Penfield  
Brown Bros. ....C  
**N. Y.**—Penn Yan  
Birkett, C. T. ....A  
**N. Y.**—Port Byron  
Gutchess Bros. ....C  
**N. Y.**—Rochester  
Doyle & Co., M. ....A  
Genesee Fruit Co. (Apples)  
AA

**FRUIT DRIED (Con.)**

**N. Y.**—Sodus  
Case & Norris Co. ....B  
Williams, A. B. ....A  
**N. Y.**—Victor  
McCrea & Co., J. ....C  
**N. Y.**—Walworth  
McCrea & Co., J. ....C  
**N. Y.**—Webster  
Hallauer & Sons, J. W. ....B  
**N. Y.**—Wolcott  
Johnson & Northrup .....A  
**OHIO**—Cincinnati  
Brooks & Co., P., 39 Main  
O

Davidson & Co., C. M. ....C  
Echert & Co., P., 25 W.  
Court (Foreign) .....A  
Flach Bros. Grocery Co., 2d  
& Vine .....A  
Glas. Bloom & Co., 115 E.  
Front .....A  
Holden, Jr. & Co., R. A.,  
46 Main .....B  
Hoses & Co., Main & Front  
(Brokers) .....C  
Peebles' Sons & Co., Jos. R.,  
Government Sq. ....A  
Shaw & Co., G. A., 42 Vine  
(Brokers) .....C  
Smith Co., H. D., 206 Main  
(Foreign) .....B  
Stevens & Co., S. J., 37  
Walnut .....A  
Threlkeld & Son, H. C., 59  
Walnut (Bkrs.) .....C  
**OHIO**—Cleveland  
Banks & Co., W. A., 84  
B'way .....C  
Haserot Canneries Co., 39  
Woodland Av. ....B  
Haserot Company, 87 Wood-  
land Av. ....A  
Housum Co., B. W., The  
Arcade (Bkrs.) .....C  
**OHIO**—Marietta  
Kirby, S. B. ....B  
**OHIO**—Mt. Vernon  
Bunn & Co., A. D. ....C  
**OHIO**—Salem  
McNabob, J. B. ....B  
**OHIO**—Urbana  
Marvin & Co., W. H.  
(Packers) .....A  
**OREGON**—Carlton  
Howe, W. A. ....C  
**PA.**—Philadelphia  
Armsby Co., J. K., 23 S.  
Front (Bkrs.) .....A  
Barker & Co. ....C  
Cowan & Son, H., 28 S.  
Front (Bkrs.) .....B  
Howe & Co., C. T. (Bkrs.)  
O

James & Washington, 21 S.  
Front (Bkrs.) .....C  
Wilson, Sherborne & Co.,  
107 N. Water .....A  
Yost & Co., J. C., 223 N.  
Water .....A  
**PA.**—Pittsburg  
Woodruff Co., W. W., 1147  
Penn. Av. (Bkrs.) .....B  
**R. I.**—Providence  
Cooper & Sisson, 73 Dyer..C  
**TENN.**—Knoxville  
Scarborough & Henderson  
Co. ....A  
**TENN.**—Memphis  
Ozark Fruit Co., 7 How-  
ard Row .....C  
**TEXAS**—Dallas  
Jackson & Co., A. A. ....B  
Nigro & Co., N. ....B  
**TEXAS**—Houston  
Kirkland & Morrow ....B  
**VT.**—Montpelier  
Corry, F. M. ....B  
**WASH.**—Seattle  
Balfour, Guthrie & Co.  
AAAA  
Eagle Evaporating Co. ....B  
Kelley-Clarke Co. (Bkrs.)..A  
**WASH.**—Tacoma  
Balfour, Guthrie & Co.  
AAAA  
**WASH.**—Vancouver  
Kelley-Clarke Co. (Bkrs.)..A

**FULLERS**

**IND.**—Evansville  
Evansville Tool Wks. (Top;  
Bottom) .....A  
**MICH.**—Detroit  
Anderson & Sons, W. H.  
(Top; Bottom) .....C  
**N. J.**—Newark  
Atha Tool Co. (Top; Bot-  
tom) .....A  
**W. VA.**—Charlestown  
Powhattan Brass & Iron  
Works .....B

**FUNNELS**

**CONN.**—Meriden  
Meriden Britannia Co.  
AAAA  
**CONN.**—Wallingford  
Wallace & Sons Mfg. Co.,  
E. ....AAAA  
**ILL.**—Chicago  
Willson & Co., F. Cortez,  
239 Lake (Accurate) ...B  
**MASS.**—Andover  
Tyler Rubber Co. (Rubber)  
AA  
**MASS.**—Boston  
Strater & Sons, Herman  
(Copper) .....A  
**MASS.**—Worcester  
New England Steel Roofing  
Co. (Gravel Roof) ....F  
**MO.**—St. Louis  
St. Louis Stamping Co.  
AAAA  
**N. J.**—Newark  
King & Hone (Rubber) ..F  
**N. Y.**—Albany  
Hoy & Co. ....A  
**N. Y.**—Brooklyn  
Sweeney Mfg. Co., W. H.  
(Copper) .....A  
**N. Y.**—Buffalo  
Pierce & Co., Geo. N. (Cop-  
per) .....AA  
Shepard & Co., Sidney  
AAAA  
New York City  
Cordley & Hayes .....A  
Goodyear's India Rubber  
Glove Mfg. Co. (Rubber)  
AAAA  
Hatch & Co., 92 Murray  
(Counter) .....E  
Lalance & Grosjean Mfg. Co.  
AAAA  
Mechanical Rubber Co.  
AAAA  
**N. Y.**—Troy  
Troy Stamping Wks. ....AAAA  
**OHIO**—Salem  
Clark Co., W. J. (Charging)  
A  
**PA.**—Philadelphia  
Disston & Sons, Henry  
AAAA  
**WIS.**—Milwaukee  
Wallman Mfg. Co. ....E

**FURNACES**

See also Heaters

**CAL.**—Los Angeles  
Braun & Co., F. W. (Smelt-  
ing; Roasting; Calsing)  
AAA  
**CAL.**—San Francisco  
Harron, Rickard & McCone  
(Inc.) (Smelting; Roast-  
ing; Calsing) .....AA  
Hendy Machine Works,  
Joshua, 38 Fremont  
(Smelting; Roasting;  
Calsing) .....AA  
**COLO.**—Denver  
Colorado Iron Works Co.  
(Smelting; Roasting; Cal-  
sing; Blast) .....AA  
Davis Iron Works Co., F.  
M. (Smelting; Roasting;  
Calsing) .....AA  
Denver Fire Clay Co. (As-  
say) .....AA  
Mine & Smelter Supply Co.  
(Smelting; Roasting; Cal-  
sing, &c.) .....AAAA

# **FURNACES (Con.)**

Stearns-Rogers Mfg. Co.  
(Smelting; Roasting; Cal-  
sing) .....A  
CONN.—Bristol  
Turner Heater Co. (Hot  
Air) .....C  
CONN.—Hartford  
Billings & Spencer Co.  
(Forging) .....AA  
CONN.—Putnam  
Putnam Foundry & Machine  
Co. (Hot Air) .....B  
CONN.—Stamford  
Stamford Fdy. Co. (Heat-  
ing; Combined Hot Air;  
Hot Water) .....A  
Stamford Gas Stove Co.  
(Hot Air) .....C  
CONN.—Waterbury  
Kenworthy Engineering &  
Construction Co. (Anneal-  
ing; Annealing Lead;  
Blast; Brass Melting;  
Bracing; Case Hardening;  
Chain Heating; Crucible;  
Forging; Gas Annealing;  
Gas Crucible; Heating;  
Malleable; Natural Gas;  
Gas Blast; Open Hearth)  
X  
Waterbury, Farrell Foundry  
& Machine Co. (Anneal-  
ing; Tempering; Casting;  
Bracing) .....AA  
Waterbury Machine Co.  
(Wire Brazing) .....B  
ILL.—Bloomington  
American Foundry & Fur-  
nace Co. (Hot Air) ....A  
ILL.—Chicago  
Allis-Chalmers Co., Home  
Ins. Bldg. (Smelting;  
Roasting; Calsing, &c.;  
Roasting Ore; Blast)  
AAAA  
Brand Stove Co., 177 E.  
Lake (Hot Air) .....A  
Burke, Jas. V. (Smokeless)  
F  
Chicago Flexible Shaft Co.,  
158 Huron (Gas Blast  
Tempering) .....B  
Excelsior Steel Furnace Co.,  
40 W. Monroe (Hot Air)  
C  
Hawley Dawn Draft Fur-  
nace Co., Superior &  
Townsend (Brass; Copper  
Melting; Smokeless) ...A  
Klein & Son, Mathias, 87  
W. Van Buren (Charcoal  
Plumbers'; Tinnerns') ...B  
Lyman, W. C., 49 Michigan  
(Asphalt; Pitch; Tar)...D  
McMillan & Co., Jas., 219  
Washn. (Smokeless)...F  
Railway Materials Co., Old  
Colony Bldg. (Annealing;  
Tempering; Boiler Shop;  
Oil as Fuel; Flue Weld-  
ing; Roll Tapering; Spring  
Fitting) .....D  
Robinson Furnace Co., 109  
Lake (Hot Air) .....B  
Rubel & Co. (Drying; Iron;  
Steel) .....A  
Turner Brass Works, Frank-  
lin & Michigan (Gasoline;  
Crucible; Gasoline Porce-  
lain; Brazing; Chain  
Heating) .....A  
Union Drop Forge Co., 66  
E. Ohio (Crucible; Forg-  
ing, &c.) .....A  
Wolf Co., Fred W., 139  
Rees (Bagasse) ....AAA  
ILL.—Decatur  
Mueller Mfg. Co., H. (Lead)  
AAA  
ILL.—Downers Grove  
Dicke Tool Co. (Blast;  
Electric Soldering; Tin-  
ners'; Plumbers') .....C  
ILL.—Harvey  
Whiting Foundry Equipment  
Co. (Brass Moulders; Cu-  
pola; Brass; Copper Melting;  
Annealing; Mallea-  
ble; Open Hearth) ....AA

# **FURNACES (Con.)**

ILL.—Joliet  
Bates Machine Co. (Anneal-  
ing; Tempering) ....AA  
ILL.—Peoria  
Sandmeyer & Co., H., 215  
S. Adams (Hot Air)...AA  
ILL.—Quincy  
Gem City Stove Mfg. Co.  
(Hot Air) .....B  
IND.—Indianapolis  
Krusse & Dewented, 427 E.  
Washn. (Hot Air) .....B  
IOWA—Cedar Rapids  
Economy Furnace Co. (Hot  
Air) .....B  
IOWA—Dubuque  
Smedley Steam Pump Co.  
(Hot Air) .....C  
IOWA—Marshalltown  
Lennox Machine Co. (Wood  
Burning; also for Hard &  
Soft Coal; Hot Air)...C  
KANS.—Fort Scott  
Fort Scott Fdy. & Machine  
Co. (Open Hearth; Ore  
Smelting) .....H  
LA.—New Orleans  
Babcock & Wilcox Co. (Ba-  
gasse) .....AAAA  
Burt Co. (Ltd.), C. S., 728  
Gravier (Bagasse) ....X  
Hauptman & Loeb Co.  
(Ltd.), 217 Gravier (Ba-  
gasse) .....B  
Payne & Joubert, 423 Caron-  
delet (Bagasse) .....A  
Swoop, Julian M., 913  
Girod (Bagasse) .....A  
MAINE—Bangor  
Wood & Bishop Co. (Wood  
Burning; Hot Air)...A  
MAINE—Portland  
Portland Stove Fdy. Co.  
(Hot Air) .....B  
MD.—Baltimore  
Bibb Stove Co., B. C. (Heat-  
ing; Hot Air) .....A  
Hill Mfg. Co., J. S. (Tin-  
ners'; Plumbers') .....X  
Leibbrandt & McDowell Stove  
Co., 26 E. Pratt (Hot  
Air) .....AAA  
Sexton & Son, S. B., 23 E.  
Lombard (Hot Air)...AA  
MASS.—Boston  
Carpenter & Co., Cyrus, 44  
Hanover (Hot Air)...C  
Chilson Furnace Co., 88  
Washn. (Hot Air) ....C  
Gurney Heater Mfg. Co.  
(Heating) .....B  
Highland Foundry Co., 1801  
Columbus Av. (Hot Air)  
B  
Howes Co., S. M., 40 Un-  
ion (Hot Air) .....C  
Jarvis Engineering Co., 61  
Oliver (Smokeless)...X  
McDowell Oven Co. (Candy)  
E  
Magee Furnace Co. (Heat-  
ing; Hot Air) .....AA  
Smith & Anthony Co., 48  
Union (Hot Air) ....AA  
MASS.—North Dighton  
Dighton Furnace Co. (Hot  
Air) .....C  
MASS.—Springfield  
Gilbert & Barker Mfg. Co.  
(Plumbers'; Tinnerns')...A  
MASS.—Taunton  
Weir Stove Co. (Heating;  
Combined Hot Air; Hot  
Water) .....A  
MASS.—Watertown  
Walker & Pratt Mfg. Co.  
(Hot Air) .....AA  
MASS.—Westfield  
Smith & Co., H. B. (Heat-  
ing) .....AA  
MASS.—Worcester  
Morgan Construction Co.  
(Annealing; Tempering;  
Billet Heating; Re-heat-  
ing) .....A  
MICH.—Adrian  
Olauda, Meyer & Littleton  
(Wood Burning) .....D  
MICH.—Battle Creek  
Duplex Printing Press Co.



# FURNACES (Con.)

(Stereotypers.) .....B  
**MICH.—Big Rapids**  
 Michigan Heater Co. (Hot Air) .....C  
**MICH.—Detroit**  
 Byram & Co. (Brass Moulders'; Cupola; Smelting; Brass; Copper Melting).D  
 Clayton & Lambert Mfg. Co. (Plumbers'; Tinnners')..B  
 Michigan Stove Co., 1022 Jeff. Av. (Hot Air) AAAAA  
 Northern Engineering Wks. (Brass Melting).....A  
 Park & McKay Co., 52 Bagley Av. (Plumbers'; Tinnners') .....C  
 Peninsular Stove Co., Fort & 10th (Hot Air) ....AA  
 Union Heater Supply Co., 18 Macomb (Plumbers'; Tinnners') .....G  
**MICH.—Dowagiac**  
 Beckwith, Philo. D. (Est. of) (Heating).....AAA  
**MICH.—Grand Rapids**  
 Miller Furnace Co. (Wood Burning) .....F  
**MICH.—Monroe**  
 Monroe Foundry & Furnace Co. (Wood Burning; Hot Air) .....C  
**MINN.—Minneapolis**  
 Peteler Portable Railway Mfg. Co. (Heating).....C  
**MO.—St. Louis**  
 Front Rank Steel Furnace Co. (Laundry; Hot Air).B  
 Ringen Stove Co., 414 N. 6th (Quick Meal; Plumbers'; Tinnners).....AAAA  
 Wrought Iron Range Co. (Heating; Hot Air)..AAA  
**N. J.—Burlington**  
 Stewart & Peterson Co. (Farm) .....A  
**N. J.—Elizabeth**  
 Amer. Gas Furnace Co. (Annealing; Tempering; Assay; Case Hardening; Gas; Regenerating; Gas Crucible; Gas Annealing; Muffle; Crucible).....A  
**N. J.—Jersey City**  
 Gautier & Co., J. H. (Gas Generator) .....AA  
**N. J.—Newark**  
 Bernz, Otto, So. 13th, cor. So. Orange Av. (Plumbers'; Tinnners').....B  
 Currier & Sons, Cyrus (Smelting) .....AA  
 Thatcher Furnace Co., 42 St. Francis (Hot Air)..A  
**N. J.—Salem**  
 Amer. Producer Gas Furnace Co. (Glass) .....D  
**N. J.—Trenton**  
 Mackenzie Sons Co., Duncan (Annealing; Tempering; Muffle) .....A  
**N. Y.—Albany**  
 Littlefield Stove Co. (Heating) .....A  
**N. Y.—Auburn**  
 Crane Foundry & Mach. Wks., W. W. (Forging, &c.) .....D  
 Leather & Brass Mfg. Co. (Gas; Oil; Kerosene; Plumbers'; Tinnners)....F  
**N. Y.—Brooklyn**  
 Bliss Co., E. W. (Plumbers'; Tinnners).....AAAA  
 Continental Iron Wks. (Boiler; Corrugated for Land and Marine Boilers)....A  
 Guild & Garrison, ft. So. 10th (Bagasse) .....B  
 Pioneer Iron Wks., 151 William (Bagasse) .....A  
 Pollard, Jos. G., 141 Raymond (Lead) .....F  
**N. Y.—Buffalo**  
 Buffalo Dental Mfg. Co. (Assay; Gas; Soldering; Tempering) .....B  
 Buffalo Forge Co. (Heating) AAA  
 Crosby Co. (Case Hardening;

# FURNACES (Con.)

Annealing) .....A  
 Ginthers' Sons, J., 417 Bdway. (Hot Air) .....A  
 Niagara Mach. & Tool Wks. (Plumbers'; Tinnners')..A  
**N. Y.—Fort Plain**  
 Burns Hydro-Carbon Burner Co. (Annealing; Brass Melting; Forging; Lead Bath Tempering; Muffle; Case Hardening; Fuel Oil; Spiral; Elliptical Car Spring) .....F  
**N. Y.—Geneva**  
 Herendeen Mfg. Co. (Heating) .....AA  
**N. Y.—Hosiosick Falls**  
 Brien Heater Co. (Hot Air) .....C  
**N. Y.—Long Island City**  
 Stuebner Iron Wks., G. L. (Plumbers') .....B  
**N. Y.—Munnsville**  
 Munnsville Plow Co. (Drying; Fruit Drying).....B  
**N. Y.—Newburg**  
 Coldwell-Wilcox Co. (Bagasse) .....B  
**New York City**  
 Abendroth Bros. (Heating) A  
 Am. Gas Furnace Co., 23 John (Gas Blast).....A  
  
*Gas Blast Furnaces for Industrial Heating Processes only. Burners and Positive Pressure Blowers. Factory at Elizabeth, N. J.*  
  
 Bowsky, L., 164 E. 52d (Plumbers'; Tinnners')..E  
 Boynton Furnace Co. (Heating; Hot Air) .....A  
 Bramhall-Deane Co. (Heating) .....B  
 Cornell Co., J. B. & J. M., 26th & 11th Av. (Bagasse; Annealing) .....AA  
 Cottrell & Sons Co., C. E. (Stereotypers') .....AAA  
 Crane Co., Wm. M., 1138 Bdway. (Hot Air; Gas for Fuel; Plumbers; Tinnners') A  
 Deeley & Co., Robert (Bagasse) .....AA  
 Gesswein Co., F. W., 39 John (Kerosene; Brass; Copper Melting).....A  
 Graff Furnace Co., 208 Water (Heating; Hot Air).B  
 Hammacher, Schlemmer & Co., 209 Bowery (Plumbers'; Tinnners') .....AAA  
 Hydrocarbon Burner Co., 197 Fulton (Plumbers'; Tinnners') .....X  
 Koven & Bro., L. O., 50 Cliff. (Asphalt; Pitch; Tar; Portable; Lead; Gravel) .....A  
 Lovejoy Co. (Stereotypers.) B  
 Mott Iron Wks., J. L., 88 Beekman (Hot Air)....AA  
 Munsell Engine Co., 218 Water (Hot Air) .....B  
 Murray, Jno. A., 625 6th Av. (Plumbers'; Tinnners') B  
 Nugent, Thos., 223 E. 80th (Hot Air) .....A  
 Peck, Stow & Wilcox Co., 27 Murray (Plumbers'; Tinnners') .....AAAA  
 Reichhelm & Co., E. P. (Gas) .....A  
 Richardson & Boynton Co. (Heating; Hot Air)..AA  
 Rockwell Engineering Co., 26 Cortlandt (Annealing; Tempering; Brass; Copper Melting; Case Hardening; Regenerating Gas; Braising; Forging; Heating; Wire Galvanizing; Wire Tinning) .....C  
 Smith of New York Co., 352

**FURNACES (Con.)**  
 Pearl (Plumbers'; Tinn-  
 ners') .....F  
 Thomas-Roberts-Stevenson  
 Co., 250 Water (Hot Air)  
 AA  
 Troy Laundry Machine Co.  
 (Laundry) .....AA  
 Union Stove Wks., 70 Beek-  
 man (Heating; Hot Air)  
 A  
 Wear & Sons, John B.  
 (Heating) .....D  
**N. Y.—Peekskill**  
 New York Stove Wks. (Hot  
 Air) .....A  
**N. Y.—Rochester**  
 Co-operative Foundry Co.  
 (Hot Air) .....AAA  
 Enterprise Foundry Co., 48  
 Olean (Hot Air).....B  
**N. Y.—Syracuse**  
 Kelsey Heating Co., 339 W.  
 Fayette (Hot Air).....A  
**N. Y.—Troy**  
 Burdett, Smith & Co. (Hot  
 Air) .....A  
 Fuller & Warren Co. (Heat-  
 ing; Hot Air) .....AA  
 Mahony Mfg. Co. (Heating)  
 B  
 West Side Foundry Co.  
 (Hot Air) .....A  
**N. Y.—Utica**  
 Giblin & Co. (Heating;  
 Hot Air) .....B  
 Hart & Crouse Co. (Wood  
 Burning; Hot Air) ...AA  
 International Heater Co.  
 (Farm; Heating; Hot Air)  
 AAAA  
 Palmer, C. F. (Hot Air)...C  
 Utica Heater Co. (Hot Air)  
 B  
**N. C.—Charlotte**  
 Mecklenburg Iron Wks.  
 (Smelting; Roasting;  
 Calsing) .....X  
**OHIO—Akron**  
 May & Fleberger (Hot  
 Air) .....A  
 Rohrbacher & Allen (Hot  
 Air) .....C  
 Twentieth Century Heating  
 & Ventilating Co. (Hot  
 Air) .....B  
**OHIO—Astabula**  
 Barber Mfg. Co. (Hot Air;  
 Gas for Fuel) .....C  
**OHIO—Canton**  
 Best Street Light Co.  
 (Plumbers'; Tinnners')..B  
 Bounot Co. (Hot Air)....B  
 Sun Vapor Street Light Co.  
 (Plumbers'; Tinnners')..A  
**OHIO—Cincinnati**  
 Cincinnati Steel Range &  
 Furnace Co., 121 W. 5th  
 (Hot Air) .....C  
 Fritch Mfg. Co., Francis, 223  
 W. McMicken (Asphalt;  
 Pitch; Ttar) .....X  
 Grossius Sons, Jno. (Hot  
 Air) .....A  
 Littleford Bros., 453 E.  
 Pearl (Brass; Copper  
 Melting) .....B  
 Lotze's Sons & Co., A. 527  
 Walnut (Hot Air).....B  
 Lunkenheimer Co. (Brass  
 Melting) .....AA  
 Macleod & Co., Walter, 463  
 E. Front (Lead) .....B  
 Miller Range & Furnace Co.,  
 Wm. (Hot Air) .....A  
 Obermayer Co., S. (Brass  
 Moulders'; Crucible; Brass  
 Copper Melting).....AA  
 Peck-Williamson Heating &  
 Ventilating Co. (Heating;  
 Laundry; Hot Air)....AA  
**OHIO—Cleveland**  
 Acme Machinery Co. (Forg-  
 ing; Heating) .....AA  
 Brightman Furnace Co.  
 (Boiler; Smoke; Gas Con-  
 suming; Smokeless)....D  
 Dangler Stove & Mfg.  
 Co. (Plumbers'; Tinnners';  
 Soldering) .....AAAA  
 Hull Co., M. L. (Assay;  
 Tinned; Plumbers'; Tinn-  
 ners') .....H  
 Schneider & Trenkamp Co.  
 (Plumbers'; Tinnners';  
 Soldering) .....AAAA  
 Smith Foundry Supply Co.,  
 J. D., 40 So. Water  
 (Brass; Copper Melting)  
 D  
 Wellman-Seaver-Morgan Co.  
 (Annealing; Blast; Heat-  
 ing) .....AAAA  
**OHIO—Columbus**  
 Burgess Soldering Furnace  
 Co., 238 N. 3d (Plumbers';  
 Tinnners') .....C  
 Rarig Engineering Co., A.  
 K. (Blast) .....X  
 Vogelgesang Furnace Co.,  
 584 So. High (Hot Air).C  
**OHIO—Crestline**  
 Schill Bros. Co. (Wood  
 Burning; Hot Air).....A  
**OHIO—Cuyahoga Falls**  
 Turner, Vaughn & Taylor  
 Co. (Annealing; Anneal-  
 ing Lead; Wire Galvan-  
 izing; Wire Tinning)...B  
**OHIO—Defiance**  
 Defiance Machine Wks.  
 (Heating) .....A  
**OHIO—Fremont**  
 Lehr Agricultural Co.  
 (Agricultural) .....B  
**OHIO—Lowellville**  
 Meehan Boiler & Construc-  
 tion Co. (Blast; Open  
 Hearth) .....B  
**OHIO—Mansfield**  
 Baxter Stove Co. (Hot Air)  
 A  
**OHIO—Massillon**  
 Hess, Snyder & Co. (Heat-  
 ing; Hot Air; Gas Heated)  
 AA  
**OHIO—Shelby**  
 Shelby Stove & Mfg. Co.  
 (Hot Air) .....B  
**OHIO—Springfield**  
 Patric Furnace Co., 17 W.  
 Washn. (Hot Air).....B  
 Progress Furnace & Stove  
 Co., East & Eastern Av.  
 (Hot Air) .....B  
**OHIO—Tiffin**  
 National Machinery Co.  
 (Heating; Revolving  
 Forge) .....AA  
**OHIO—Youngstown**  
 Pollock & Co., W. B.  
 (Smelting; Roasting;  
 Calsing; Annealing; Open  
 Hearth) .....AA  
**OHIO—Zanesville**  
 Griffith & Wedge Co. (Ore  
 Smelting; Revolving  
 Roasting) .....B  
**PA.—Bausman**  
 Bausman, D. H. (Farm).C  
**PA.—Danville**  
 Curry & Co. (Heating;  
 Ruddling) .....B  
 Danville Stove & Mfg. Co.  
 (Hot Air) .....A  
**PA.—Elizabethtown**  
 Buch's Sons Co., A. (Farm-  
 ers' Boiling) .....A  
**PA.—Harrisburg**  
 Harrisburg Mfg. & Boiler  
 Co. (Heating; Hot Air).B  
**PA.—Lancaster**  
 Keeley Stove Co. (Heating;  
 Combined Hot Air and  
 Hot Water) .....A  
**PA.—Lebanon**  
 Weimer Machine Wks. Co.  
 (Blast) .....AA  
**PA.—New Castle**  
 Penna. Engineering Wks.  
 (Blast; Open Hearth).AA  
**PA.—Philadelphia**  
 Anderson & Co., J. P.  
 (Candy) .....X  
 Bartlett, Chas. F., 27 N.  
 10th (Hot Air) .....B  
 Cox Stove Co., Abram  
 (Heating; Open Hearth;  
 Hot Air) .....AA  
 Diller, Caskey & Co. (Heat-  
 ing) .....B

**FURNACES (Con.)**

Evans Furnace Wks., 506  
N. 13th (Hot Air) .....B  
Gefrorer & Son, C., 248 N.  
8th (Plumbers'; Tinners')  
F  
Haines, Jones & Cadbury  
Co., 1136 Ridge Av.  
(Plumbers'; Tinners')..AA  
Harrison's Sons, W. H.  
(Heating) .....E  
Morris, Henry G., Phila.  
Bourse (Bagasse) .....B  
Paxson Co., J. W. (Brass  
Moulders'; Cupola; Brass;  
Copper Melting; Anneal-  
ing; Crucible; Natural  
Gas; Oil Melting; Open  
Hearth) .....AA  
Phila. Engineering Wks.  
(Blast) .....AAAA  
Phila. Roll & Machine Co.  
(Heating; Open Hearth  
Puddling) .....A  
Phila. Stove & Iron Foundry  
Co. (Hot Air) .....B  
Sheppard & Co., Isaac A.  
(Heating; Combined Hot  
Air and Hot Water).AAA  
Spear Stove & Heating Co.,  
Jas., 1014 Market (Heat-  
ing; Hot Air) .....A  
**PA.—Pittsburg**  
Amer. Furnace & Mach. Co.  
(Annealing; Boiler; Brass  
Melting; Brazing; Cru-  
cible; Forging; Glass;  
Malleable; Muffle; Open  
Hearth; Chain Heating;  
Heating; Puddling; Tube  
Welding) .....D  
Amsler Engineering Co. (An-  
nealing; Blast; Crucible;  
Glass; Heating; Muffle;  
Crucible; Open Hearth;  
Tube Welding) .....D  
Carroll-Porter Boiler &  
Tank Co. (Blast).....B  
Fischer Foundry & Machine  
Co. (Blast) .....AA  
Foster-Miller Engineering  
Co., Westinghouse Bldg.  
(Annealing; Tempering;  
Blast; Crucible; Heating;  
Muffle; Crucible; Open  
Hearth; Tube Welding).D  
Huber & Co., S. V. (Blast;  
Heating; Open Hearth).D  
Laughlin & Co., Alex. (Cru-  
cible; Heating; Open  
Hearth; Pubbling; Tube  
Welding) .....B  
McClure Son & Co. (Blast;  
Heating; Open Hearth).D  
McCullough Dalzell Crucible  
Co. (Blast; Open Hearth)  
A  
Mackintosh, Hemphill & Co.  
(Ltd.) (Blast) .....AAAA  
Munroe & Son, R. (Blast;  
Boiler) .....AA  
Murphy, M. L., 426 4th  
Av. (Glass) .....D  
Pittsburg Stove & Range Co.  
(Hot Air) .....AAAA  
Prizer-Painter Stove & Heat-  
er Co., 717 Grant (Hot  
Air) .....A  
Riter-Conley Mfg. Co.  
(Blast; Open Hearth;  
Brass Melting) .....AAA  
Scaife & Sons Co., W. B.  
(Blast) .....AAA  
Smythe Co., S. R. (Heating;  
Open Hearth) .....B  
Standard Mfg. Co. (Plumb-  
ers') .....AA  
Swindell & Bros., Wm. (As-  
phalt; Pitch; Tar; Re-  
generating Gas; Anneal-  
ing; Brass Melting; Cru-  
cible; Heating) .....B  
Westinghouse Machine Co.,  
Westinghouse Bldg.  
(Smokeless) .....AAAA  
**PA.—Pittston**  
Pittston Stove Co. (Hot  
Air) .....A  
**PA.—Pottstown**  
March-Brownback Stove Co.  
(Hot Air) .....A

**FURNACES (Con.)**

**PA.—Quakertown**  
Roberts, Winner & Co. (Hot  
Air) .....B  
**PA.—Reading**  
Mt. Penn Stove Wks., 111  
N. 2d (Heating; Hot Air)  
A  
Reading Stove Wks. (Heat-  
ing) .....AA  
**PA.—Ryersford**  
Buckwalter Stove Co. (Hot  
Air) .....AA  
Grandee Stove Co. (Hot  
Air) .....A  
**PA.—Bethlehem**  
Bethlehem Foundry & Ma-  
chine Co. (Annealing;  
Tempering) .....C  
**PA.—Spring City**  
Yeager-Hunter Spring City  
Stove Wks. (Hot Air)..A  
**PA.—Towanda**  
Loetzer Valve & Mfg. Co.  
(Lead; Furnace; Lead Pot  
mounted on wheels)....X  
**PA.—Warren**  
Jacobson Machine Mfg. Co.  
(Plumbers'; Tinners')...C  
Schellhammer & Son (Hot  
Air; Gas for Fuel).....E  
**R. I.—Pawtucket**  
Pawtucket Mfg. Co. (Re-  
volving Forge) .....A  
**R. I.—Providence**  
Barstow Stove Co. (Heating;  
Hot Air) .....AA  
Brown & Sharpe Mfg. Co.  
(Annealing; Tempering;  
Case Hardening)...AAAA  
Westmacot Co., J. M. (An-  
nealing; Tempering; Case  
Hardening) .....X  
**S. C.—Charleston**  
Valk & Murdock Iron Wks.  
(Sulphur) .....B  
**TENN.—Chattanooga**  
Chattanooga Plow Co.  
(Bagasse) .....AAA  
**TENN.—Knoxville**  
Scates' Warm Air Furnace  
Co. (Hot Air) .....A  
**WIS.—Cudahy**  
Power & Mining Machine Co.  
(Smelting; Roasting; Cal-  
sing) .....AAA  
**WIS.—Milwaukee**  
Allis-Chalmers Co. (Muffle;  
Smelting; Ore Smelting;  
Roasting) .....AAAA  
Johnson Service Co. (Brass;  
Copper Melting) .....AAA  
Lindeman & Hoverson Co.,  
A. J., 348 Florida (Hot  
Air) .....AA  
Lindemann & Sons, J. P., 78  
W. Water (Hot Air)...A  
Schwab & Sons Co., R. J.,  
271 Clinton (Hot Air)..A  
Sheriff's Mfg. Co. (Brass  
Moulders'; Tempering;  
Brass; Copper Melting).B  
**WIS.—Neenah**  
Bergstrom Bros. & Co.  
(Heating; Wood Burning;  
Hot Air) .....AA

**FURNITURE**

For Dental Furniture see  
following Heading. For  
Barbers Furniture see  
Chairs—See also Fixtures  
for Bar; Office, etc.  
Furniture

**ALA.—Mobile**  
Mobile Spring Bed Co.  
(Woven Wire Springs,  
Cots).....C  
**ARK.—Ft. Smith**  
Ballman Cummings Furn.  
Co. (Chamber Suits, Odd  
Dressers; Chiffoniers;  
Sideboards; Desks)....D  
Ft. Smith Folding Bed & Ta-  
ble Co. (Mantle Folding  
Beds; Extension; Library;  
Kitchen Tables; Kitchen  
Cabinets) .....C  
McLoud & Sparks Furn. Co.  
(Bedsteads; Kitchen Safes;  
Cupboards; Glass Cup-

**FURNITURE (Con.)**

boards) .....C  
 Ward Furn. Mfg. Co. (Bed-  
 room Suits; Chiffoniers;  
 Odd Dresses; Sideboards) C

**ARK.—Little Rock**

Little Rock Furn. Mfg. Co.  
 (Chamber Suits; Chairs;  
 Rockers; Tables) .....C

**ARK.—Pine Bluff**

Home Furn. Mfg. Co.  
 (Chamber Suits; Chiffon-  
 iers; Safes) .....C

**CAL.—Los Angeles**

Stearns Mfg. Co. (Dressers;  
 Commodes; Chiffoniers;  
 Bookcases; Folding Beds;  
 Tables; Office Bank  
 Fixtures) .....C

Van Vorst & Berman (Suits;  
 Chiffoniers; Kitchen Furn.;  
 Lounges; Couches; Top  
 Mattresses; Wire Mat-  
 tresses; Brass; Iron; Hos-  
 pital Beds) .....C

**CAL.—San Francisco**

Bernhard Mattress Co. (The)  
 Iron & Wire Beds) .....A

Crescent Feather Co. (Wo-  
 ven Wire Springs; Couch;  
 Spring Frames) .....D

Frederichs, Henry (Kitchen;  
 Bank Furn.) .....C

Fuller Desk Co., Geo. H.  
 (Office; Bank Furn.) ....C

Hoey, John (Upholstered  
 Furn.; Mattresses; Parlor  
 Suits; Davenport Safes;  
 Turkish Chairs; Couches;  
 Upholstered Box Spring;  
 Woven Wire Mattresses) B

Pacific Coast Lumber &  
 Furn. Co. ....A

Schrock W. A. (Mattresses;  
 Iron Beds) .....B

**CONN.—Bridgeport**

Miller Wire Spring Co. (The)  
 (Upholstering; Beds; Hel-  
 ical Compression; Exten-  
 sion Springs) .....A

**CONN.—East River**

Munger & Sons (School  
 Furn.) .....D

**CONN.—Hartford**

Bishop & Co., E. C. (Chairs)  
 Case & Co., O. D. (School  
 Furn.) .....B

Hartford Woven Wire Mat-  
 tress Co. (Bedsteads;  
 Steel; Brass Trimmed;  
 Steel Woven Wire; Na-  
 tional Link Mattresses;  
 Wire Work Aseptic Furn;  
 Hospital Bedsteads) ...B

**CONN.—Meriden**

Parker Co., Chas. (Piano  
 Stools) .....B

**CONN.—New Britain**

National Spring Bed Co.  
 (Rio Van Winkel Spring  
 Beds) .....F

**CONN.—New Haven**

Connecticut Chair Co. (Cane  
 Seat Chairs; Reed Rock-  
 ers) .....A

**Farren Bros. Co. (The)**

(Spring Beds) .....D

Rattan Mfg. Co. (Invalid;  
 Morris Chairs; Folding  
 Settees) .....C

Savage & Co., R. B. (Spring  
 Beds; Bedding) .....C

Shepard & Sons, N. G. (Bent  
 Wood Chairs) .....B

**CONN.—New Milford**

Eastern Lounge Co.  
 (Lounges; Couches; So-  
 fas; Sofa Beds; Adjust-  
 able; Wardrobe Couches;  
 Davenports, etc.) .....D

**CONN.—Shelton**

Whitcomb Metallic Bed-  
 steads; Spring Mattresses) B

**CONN.—Waterbury**

National Wire Mattress Co.  
 (Wire Mattresses) .....D

**D. C.—Washington**

Stumpf & Lyford (Couches)  
 Art Bedstead Co. (Brass;

**FURNITURE (Con.)****GA.—Atlanta**

Atlanta Mfg. Co. (Iron;  
 Brass Bedsteads) .....D

Atlanta Table Co. (Flat;  
 Roll Top Desks; Office Ta-  
 bles) .....D

Beutell, H. H. (Music Cab-  
 inets; Bar; Bank Furn.) B

Capitol City Chair Co. (Me-  
 dium Grade Chairs) ....D

Cooper Mfg. Co. (Double  
 Cane Seats; Wood Seat  
 Children's Chairs; Rock-  
 ers) .....D

Golstin-Conningham Spring  
 Bed Co. (Spring; Iron  
 Beds; Cots; Mattresses) C

Hirsch & Spits Mfg. Co.  
 (Spring Beds; Mattresses;  
 Cots) .....C

Ladder & Specialty Co. (Odd  
 Dressers; Washstands;  
 Beds; Chiffoniers; Dress-  
 ing Tables; Cheap; Me-  
 dium Suits; Ladies'

Desks) .....D

National Furn. Co. (Bed-  
 room Suits; Sideboards;  
 Buffets; Hall Racks;  
 Bookcases; Combination  
 Cases) .....D

Southern Furn. Co. (Side-  
 boards; Side Tables; Buf-  
 fets; Chiffoniers; Chamber  
 Suits; Dresses; Wash-  
 stands) .....A

Southern Spring Bed Co.  
 (Spring Beds) .....C

Ware Mfg. Co. (Chamber  
 Suits; Odd Beds; Dressers;  
 Sideboards; Wardrobes;  
 Bookcases; Kitchen Safes;  
 Cupboards, in Oak & Pop-  
 lar) .....A

GA.—Dalton

Duane Chair Co. (Wood Seat  
 Chairs) .....D

**GA.—Dublin**

Dublin Furn. Mfg. Co.  
 (Chamber Suits) .....D

**GA.—Griffin**

Osborn & Walcott Mfg. Co.  
 (Chairs) .....B

**GA.—Macon**

Willingham Mfg. Co. (Suits;  
 Odd Dressers; Odd Beds;  
 Chairs; Rockers; Centre  
 Tables; Safes; Sideboards;  
 Hat Racks) .....B

**GA.—Marietta**

Brunby Chair Co. (Wood;  
 Cane; Cobbler Seat Chairs)  
 A

Marietta Chair Co. (Open;  
 Double Cane; Wood; Cob-  
 ler Seat Chair; Rockers;  
 Cane; Wood Seat Stools;  
 Baby Cradles; Parlor Ta-  
 bles) .....B

**GA.—Maysville**

Maysville Mfg. Co. (Dining;  
 Kitchen Chairs) .....D

**GA.—Washington**

Washington Mfg. Co. (Ta-  
 bles; Hat Racks; Ladies'  
 Desks; Cribs) .....B

**ILL.—Altamont**

Hillemann, Geo. (Chamber  
 Suits) .....A

**ILL.—Bradley**

Turk Furn. Co. (Iron Beds)  
 O

**ILL.—Chicago**

Acme Co. (Acme Hygienic  
 Couches; General Line of  
 Furn.) .....C

Adams & Westlake Co., The  
 (Brass; Iron Bedsteads)  
 AAAAA

Alsburg, Samuel (Ottomans)  
 D

American Metal Ware Co.  
 (Brass Bedsteads) ....B

American Stool Co. (Piano  
 Stools) .....X

Andrews, Co., A. H. (Office  
 Desks; Tables; Desks;  
 Chairs, etc.; Church; Au-  
 ditorium Seatings; School  
 Furn.; Steel Wire Chairs;  
 Stools; Tables) .....AA

Art Bedstead Co. (Brass;

## FURNITURE (Con.)

Iron Beds) ..... B  
**Balkwill & Patch Furn. Co.**  
 (Odd Dressers; Chiffon-  
 iers; Washstands; Toilet  
 Commodes; Princess Dress-  
 ers; Ladies' Dressing Ta-  
 bles; made in Mahogany,  
 Birdseye; White Maple,  
 Curly Birch; Enamel Fin-  
 ishes) ..... B  
**Blonder Bros.** (Brass; Iron  
 Beds) ..... D  
**Borgwardt & Ernest Co.**  
 (Upholstered Furn.) .... C  
**Calumet Metal Furn. Co.**  
 (Metal Folding Beds) .. D  
**Cass & Co., B. T.** (Screens) .. C  
**Central Mfg. Co.** (Roll Top;  
 Flat; Standing Desks;  
 Typewriter Cabinets; Of-  
 fice Tables; Office Furn.) .. B  
**Century Seating Co.** (School  
 Furn.; Tables; Office Fix-  
 tures) ..... E  
**Chicago Chair & Wheel Co.**  
 (Invalid Adjustable Re-  
 clining; Wheel Chairs) .. A  
**Chicago Hassock Co.** (Has-  
 socks; Ottomans; Foot  
 Rests; Commodes; Black-  
 ing Cases; Reed Novelities) .. E  
**Chicago Table Wks.** (Exten-  
 sion Tables) ..... C  
**Chicago Willow & Rattan**  
**Wks., The** (Willow; Rat-  
 tan Ware) ..... C  
**Clemetson Co., The** (Office  
 Desks) ..... C  
**Cold Blast Feather Co.**  
 (Spring Beds) ..... AAA  
**Columbia Parlor Frame Co.**  
 (Parlor Furn. Frames;  
 Morris Chairs) ..... C  
**Continental Mfg. Co.** (Parlor  
 Furn.; Frames; Couch  
 Frames) ..... B  
**Cowan & Co. (Inc.), W. K.**  
 (High Grade Mahogany  
 Furn.; Colonial Reproduc-  
 tions; Special Furn. to  
 Order) ..... B  
**Davis & Horwich** (Brass;  
 Iron Bedsteads) ..... B  
**Dunn Co., John A.** (Chairs) .. AA  
**Federal Iron & Brass Bed**  
**Co.** (Iron; Brass Beds) .. B  
**Ford, Johnson & Co., J. S.**  
 (Cane Seat Chairs; Settees;  
 Fibre; Reed; Rattan; Mis-  
 sion Furn.; Office Stools) .. AAA  
**Fowler, John P.** (Uphols-  
 tered Mattresses; Box  
 Springs; Couches; Shirt  
 Waist Boxes; Spring  
 Beds) ..... C  
**Franke & Sievers** (Folding;  
 Mantel Beds) ..... D  
**Garvey Co., The** (Steel Fold-  
 ing Beds; Couches; Divans;  
 Davenport; Steel Cots) .. C  
**Gibson-Petre Seating Co.**  
 (Opera Chairs; Church  
 Furn.; School Desks) ... E  
**Globe Novelty Co.** (Reed;  
 Rattan Specialties) ..... C  
**Gramer Valentine** (Church  
 Furn.) ..... G  
**Hafner Furn. Co.** (Uphols-  
 tered Furn.) ..... B  
**Haggard & Marcusson Co.**  
 (Spring Beds; Woven  
 Wire Mattresses; Cots;  
 Cribs) ..... C  
**Hall, Miller & Son** (Brass;  
 Iron Beds) ..... B  
**Hanke Bros.** (Parlor Desks;  
 Sideboards; China Closets;  
 Chiffoniers; Bureaus;  
 Washstands; Odd Dress-  
 ers; Chamber Suits) .... B  
**Hanson Co., Louis** (Hall  
 Furn.; Mirrors) ..... A  
**Hauske & Co., August** (Par-  
 lor Furn.; Frames) ..... B  
**Herhold & Sons, F.,** (Cane  
 Seat Chairs; Rockers; Set-  
 tees) ..... A  
**Horn Bros. Mfg. Co.** (Dress-

## FURNITURE (Con.)

ers; Chiffoniers; Ladies'  
 Dressing Tables; Bed-  
 steads; Washstands; Com-  
 modes) ..... B  
**Independent Steel & Wire**  
**Co.** (Couch Construction;  
 Spring Beds; Upholstery  
 Springs) ..... O  
**Johnson Chair Co.** (Chair) .. AA  
**Johnson & Sons Furn. Co., A.**  
**J.** (China Closets; Buf-  
 fets; Sideboards; Plate  
 Racks; Bookcases) ..... B  
**Jenkins Co.** (Folding Beds) .. O  
**Karpen & Bros., S.** (Uphols-  
 tered Furn.; Lodge; Pulpit  
 Furn.; Special Furn. from  
 Designs; Sofa Beds; Bed  
 Lounges) ..... AA  
**Kaufman & Spencer** (Ta-  
 bourettes; Pedestals; Ex-  
 tension Tables) ..... F  
**Ketcham & Rothschild** (Up-  
 holstered Furn.) ..... C  
**Kimball & Chappell Co., The**  
 (Brass; Enameled Iron  
 Beds) ..... B

*We make nothing but  
 high-grade metal Bed-  
 steads.*

*Our goods have the  
 reputation of being the  
 best that money can buy.*

*Prompt shipments,  
 reasonable prices. (One  
 price to all).*

*Make us the factory to  
 buy your dependable  
 goods from.*

*Send for Catalogue.*

**VERNIS MARTIN  
 FINISH.**

*We are selling ten  
 Bedsteads in this finish  
 to one white or colored  
 enamel finish. The  
 popularity of our orig-  
 inal Vernis Martin Finish  
 as applied to the Iron  
 Bed is growing daily.  
 It is permanent, showy  
 and durable—better than  
 any Enamel finish that  
 you can buy. We ab-  
 solutely guarantee it will  
 not tarnish or fade.  
 Send for sample tube.  
 Sample Bed sent on ap-  
 proval.*

**Kinley Mfg. Co.** (Reed; Rat-  
 tan Furn.; Childrens  
 Chairs) ..... B  
**Klein Co., A. S.** (Bassels;  
 Screens) ..... A  
**Koenig & Gerner Furn. Co.**  
 (Folding Beds) ..... A  
**Larson, Peter** (Desks; Office  
 Furn.) ..... B  
**Loeser & Co., John** (Box  
 Springs; Upholstered Furn.  
 etc.) ..... H  
**Mallen & Co., H. Z.** (Parlor  
 Furn.; Frames) ..... B  
**Merle & Heaney Mfg. Co.**  
 (Desks) ..... A  
**Metallic Folding Bed Co.**  
 (Metallic Folding Beds;  
 Steel Couches) ..... D  
**National Parlor Furn. Co.**  
 (Upholstered Furn. of all  
 Kinds) ..... B  
**Niemann & Weinardt Table**  
**Co.** (Tables) ..... B  
**Nonnast, Louis F.** (Exten-  
 sion Library; Parlor Ta-  
 bles) ..... B  
**Olbrich & Golbeck** (Side-  
 boards; Buffets) ..... O  
**Olsen & Co., O. C. S.** (Office  
 Desks; Typewriter Cabl-  
 nets) ..... O  
**Passow & Son, Chas.** (Office  
 Furn.; Bar Fixtures) ... B  
**Peterson & Co., A.** (Roll  
 Top, Flat Top; Standing

**FURNITURE (Con.)**

Desks) .....C  
 Peterson Co., Geo. L. (Sideboards; Bookcases; Cabinets) .....B  
 Phoenix Parlor Frame Co. (Inc.) (Frames only for Parlor Suits; Davenport; Divans; Sofa Beds; Odd Chairs; Rockers; Box Couches) .....B  
 Rauch Mfg. Co. (Office Desks) .....B  
 Rivell & Co., Alex. H. (Up-holstered) .....AA  
 Roos Mfg. Co. (Easels; Screens; Hat Racks; Curtain Poles) .....C  
 Schmidt & Co., A. C. (Up-holstered Furn.) .....A  
 Schultz & Hirsch Co. (Spring Beds) .....B  
 Sidway Mfg. Co. (Sidway Adjustable Tables) .....D  
 Sherwood Co. (School Desks) .....D  
 Simmons Mfg. Co. (Brass; Iron; Children's; Institution Beds; Canvas; Wire; Cradle Cots; Woven Wire Mattresses; all Wire Spring Beds; Folding Chairs; Metal Folding Couches) .....AAA  
 Sprague-Smith & Co. (China Closets; Cabinets) .....B  
 Tonk Mfg. Co. (Piano Stools; Benches; Scarfs) .....C  
 Union Wire Mattress Co. (Iron Bedsteads; Children's Beds; Woven Wire Mattresses; Spring Beds; Cots; Cribs; Couches; Hospital Beds; Bedside Tables) .....A  
 Valentine-Seaver Co. (Up-holstered Furn.; Odd Chairs; Rockers; Divans; Foot Benches; Ottomans; Two & Three Piece Suits; Colonial Sofas; Davenport; Couches; Screens) .....C  
 Warren Mfg. Co., J. D. (Office Desks) .....B  
 Western Chair Co. (Wood; Cane; Rattan Chairs; Rockers) .....D  
 Windsor Folding Bed Co. (Dining; Bedroom; Library; Hall Furn.) .....B  
 Zangerle & Peterson Co. (Parlor Furn. Frames) .....B  
**ILL.—Greenville**  
 De Moulín & Bro., Ed. (Lodge Furn.) .....A  
**ILL.—Joliet**  
 Illinois Rattan Co. (The) (Reed; Rattan Furn.) .....C  
 Joliet Chair Co. (Veneer; Cane; Wood Seat Chairs; Polished Rockers) .....E  
 Wilcox Bros. (Couches; Davenport; Odd Pieces; Up-holstered Furn.) .....B  
**ILL.—Kankakee**  
 Sheldon Novelty Co. (The) (Ladies' Desks; Music; Medicine Cabinets; Foot Stools; Blacking Cases; Tabourettes; Easels; Screens; Grilles; Bookcases) .....C  
 Turk Mfg. Co., Joseph (Brass Bedsteads) .....C  
**ILL.—Morrison**  
 Illinois Refrigerator Co. (School Furn.) .....C  
**ILL.—Mound**  
 Mound City Furn. Co. (Suits; Wardrobes; Extension; Centre Tables; Stands; Safes in Imitation & Oak) .....C  
**ILL.—Naperville**  
 Naperville Lounge Co. (Couches; Morris Chairs) .....B  
**ILL.—Peoria**  
 Peoria Lounge & Mattress Co. (Lounges; Couches) .....D

**FURNITURE (Con.)**

**ILL.—Piano**  
 Earl Mfg. Co. (Metal Beds) .....O  
 Earle Metal Bed Co. (Iron; Brass Beds; Jardiniere Stands) .....C  
 Sears, Albert H. (Metal Beds) .....B  
**ILL.—Quincy**  
 Schenck Altar Co. (Church Furn.) .....F  
**ILL.—Rockford**  
 Central Furn. Co. (Bookcases; China Closets; Ladies' Desks) .....B  
 Forest City Furn. Co. (Libraries; Combination Cases; Music; Music Roll Cabinets; Ladies' Desks; Sectional Bookcases; Folding Tables; Washstands; Folding Mantel; Upright; Combination Beds) .....A  
 Mechanics Furn. Co. (Inc.) (Sideboards; China Closets; Combination Buffets; Buffets; Music; Parlor Cabinets, in Oak; Mahogany) .....B  
 Rockford Chair & Furn. Co. (Buffets; China Closets; Combination; Library Bookcases; Parlor; Music Cabinets; Ladies' Desks) .....A  
 Rockford Desk Co. (Inc.) (China Closets; Parlor; Music Cabinets; Ladies' Desks; Libraries) .....C  
 Rockford Palace Furn. Co. (Buffets; Combination; Library Bookcases; China Closets; Sideboards; Music Cabinets; Ladies' Desks; Dressers) .....C  
 Rockford Standard Furn. Co. (China Closets; Combination Cabinets; Library Cases; Buffets; Parlor Desks) .....C  
 Skandia Furn. Co. (Bookcases; China Closets; Sideboards; Buffets) .....B  
 Union Furn. Co. (Oak; Walnut; Birch; Mahogany Furn.; Combination Cases; Closets; Buffets; Music; Parlor Cabinets) .....B  
 West End Furn. Co. (Combination; Library Bookcases; China Closets; Buffets; Music Cabinets) .....D  
**IND.—Anderson**  
 Greenburg Chair Co. (Chair; Lawn Settees) .....C  
**IND.—Aurora**  
 Cobb Chair Co. (The) (Wood Seat Chairs) .....B  
 Smith Chair & Furn. Co., H. W. (Medium Priced Wood Seat Dining Chairs; Rockers) .....D  
**IND.—Batesville**  
 American Furn. Co. (Chamber Suits; Odd Dressers; Chiffoniers) .....C  
 Union Furn. Co. (Chamber Suits; Chiffoniers; Wardrobes to Match, in Mahogany; Oak) .....B  
**IND.—Bloomington**  
 Showers Bros. Co. (Inc.) (Chamber Suits; Sideboards; Chiffoniers) .....C  
**IND.—Bluffton**  
 Bluffton Folding Chair Co. (Folding Chairs) .....C  
**IND.—Brookville**  
 Tucker Furn. Co., A. M. (Chamber Suits; Chiffoniers; Dressing Tables; French Dressers; Cheval Glasses) .....C  
**IND.—Cambridge**  
 Standard Mfg. Co. (The) (Folding Chairs) .....D  
**IND.—Cannelton**  
 Cannelton Chair Co. (Double Cane; Split Bottom Chairs) .....E  
**IND.—Cochran**  
 Cochran Chair Co. (Chairs; Rockers) .....C

# **FURNITURE (Con.)**

**IND.—Columbia**  
McNown Mfg. Co. (The)  
(Cupboards; Kitchen Cabinets; Wardrobes; Bookcases) .....F  
**IND.—Columbus**  
Orinoco Furn. Co. (The)  
(Parlor; Library; Dressing; Writing Tables; Antique; Colonial Reproductions) .....C  
**IND.—Connersville**  
Connersville Furn. Co.  
(Chamber Furn.; Chiffoniers; Sideboards) .....B  
Indiana Furn. Co. (Sideboards; Buffets) .....A  
**IND.—Evansville**  
Bockstege Furn. Co. (Extension; Parlor; Library; Centre Tables; Mantel Folding Beds) .....C  
Buehner Chair Co. (Chairs; Rockers; Wood; Cane; Cobbler; Leather Stuffed; Upholstered Spring Seats) .....C  
Crown Chair Mfg. Co. (Medium Grade of Chairs) .....F  
Crescent Furn. Co. (Sideboards; Buffets; Closets; Chamber Suits) .....C  
Evansville Furn. Co. (Wood Bedsteads; Kitchen Safes; Cheap Wardrobes; Glass Cupboards; Oak Suits) .....B  
Globe Furn. Co. (The)  
(Chamber Suits; Kitchen Cabinets) .....B  
Hasse Conrad (Lounges; Couches) .....D  
Indiana Furn. Co. (Bedsteads; Chamber Suits; Extension Tables; Victoria Suits; Kitchen Safes; Cabinets) .....C  
Karges Furn. Co. (Chamber Suits; Wardrobes; Dressers; Dressing Tables) .....B  
Novelty Furn. Co. (Bookcases; Tables) .....C  
Smith Chair Co., E. Q.  
(Wood; Cane; Cobbler; Splint; Double Cane Seat Chairs; Rockers) .....C  
Specialty Furn. Co. (Chamber Suits; Odd Dressers; Chiffoniers) .....C  
Standard Chair Co. (Chairs; Rockers; Box Seat Dinners) .....E  
Stolz-Schmitt Furn. Co.  
(Chamber Suits; Chiffoniers; Dressing Tables) .....B  
**IND.—Ft. Wayne**  
Paul Mfg. Co., The (Kitchen Cabinets) .....D  
**IND.—Franklin**  
Franklin Desk Co. (Flat; Roll Top Desks) .....D  
**IND.—Goshen**  
Banta Furn. Co. (Extension; Library Tables; Mission Furn. in Golden Antwerp; Weathered Oak; Mahogany) .....B  
Gosher Novelty & Brush Co.  
(Easels; Screens; Tabourettes; Music Racks; Cabinets; Hat Racks; Wall Pockets; Clock Shelves; Combination Cases; Bolsters; Plate Racks) .....E  
Hawks Furn. Co. (Chamber Furn. in Mahogany; Birdseye; Maple; Oak) .....A  
I-X-L & Goshen Pump Co.  
(Kitchen Cabinets; Cupboards; Sinks; Wardrobes; Safes; Screen Door; Windows) .....C  
**IND.—Greenfield**  
National Adjustable Chair Co. (Automatic Morris Chairs) .....F  
**IND.—Indianapolis**  
Allison Co., W. D. (Physician's Office Furn.; Invalid; Reclining Chairs) .....D  
Cabinet Maker's Union (Extension Tables) .....C  
Capital Rattan Co. (The)

# **FURNITURE (Con.)**

(Go-Carts; Reed Chairs; Reed Novelties) .....C  
Central Chair Co. (Cane; Upholstered Chairs; Rockers) .....C  
Clark & Roberts (Physicians' Chairs; Tables; Instrument Cabinets; Aseptic Hospital Furn. of all Kinds) .....C  
Clune & Sons, M. (Couches; Lounges; Sofa Beds; Davenport; Mattresses) .....AA  
Combination Billiard Mfg. Co. (Library; Dining; Billiard; Pool Tables; Dutch; Mission Furn.) .....C  
Emrich Furn. Co. (Sideboards; Buffets; Tables) .....A  
Fells, W. B. (Church Furn.) .....F  
Huey Co., M. S. (Special Furn.) .....B  
Indianapolis Chair & Furn. Co. (Dining; Office Chairs; Fancy; Cobbler; Weathered Oak Rockers; Hall Suits) .....A  
Kramer Mfg. Co. (Sofas; Couches; Lounges; Wood Mantels) .....B  
Lauter, Herman (Dressers; Chiffoniers; Dressing Tables; Commodes; Centre; Library Tables; Ladies' Roll Top Desks; Music Cabinets) .....B  
Laycock Mfg. Co., T. B.  
(Brass; Iron Bedsteads; Children's Folding Cribs; Woven Wire Cribs; Mattresses; Furn. Springs; Spring Beds; Metallic Couch Bottoms) .....AA  
McDougall & Son, G. P.  
(Kitchen Cabinets; Cupboards; Wardrobes; China Closets) .....B  
Madden Son & Co., Thos.  
(Parlor Suits; Leather Rockers; Couches; China; Fancy Divans; Rockers; Chairs; Davenports; Single; Bed Couches; Bed Lounges) .....B  
Neu, J. B. (Chairs) .....D  
Ott Mfg. Co., L. W.  
(Couches; Davenports; Upholstered Leather Chairs; Rockers) .....B  
Piel Bros. Mfg. Co. (The)  
(Reed Furn.) .....A  
Puritan Bed Spring Co.  
(The) Bed; Spiral; Woven Wire Springs; Iron Beds; Cots; Mattresses) .....C  
Sander & Recker (Office; Bar Fixtures; Special Furn. to Order) .....C  
Sheetz-Straughn Mfg. Co.  
(Upholstered Furn.) .....D  
Smith, Day & Co. (Ltd.)  
(Cane; Cobbler; Saddle; Upholstered Rockers; Dining; Children's Chairs) .....A  
Snow & Co., J. H. (Specialties) .....D  
Thompson Mfg. Co., L. C.  
(Special Post-Office Furn.) .....D  
Udell Wks. (The) (Music Magazine; Medicine Cabinets; Ladies' Desks; Commodes; Blacking Cases; Folding Tables) .....A  
**Library Bookcases,**  
**Sheet Music Cabinets,**  
**Ladies' Parlor Desks,**  
**Magazine Cabinets, Piano**  
**Player Music Roll Cabinets,**  
**Cylinder and Disk**  
**Record Cabinets, Music**  
**Box Tune Sheet Cabinets,**  
**Medicine Cabinets, Toilet**  
**Room Cabinets, Sick**  
**Room Commodes, Black-**  
**ing Cases, Folding Tables**  
**(Card and Sewing),**  
**Hook Racks, Clothes**  
**Bars, Folding Clothes**

**Racks, Towel Rollers and Arms, Ironing Stands and Boards, Step and Extension Ladders.**

*Our line is the largest of its kind made by any single manufacturer in the United States to-day.*

*We give particular attention to the selection of our veneers. the figure effects o' our Oak and Mahogany pieces are very fine, and we doubt if they could be matched outside of ourselves.*

*The workmanship and finish of our goods is brought up to the highest standard of perfection.*

*Write for Catalogs and prices, will be glad to mail them to you.*

*A mail order will receive just as great care and prompt attention as if taken through one of our salesmen.*

Western Furn. Co. (Chamber Suits; Chiffoniers; Odd Beds) ..... B

IND.—Jasper  
Jasper Furn. Co. (Office Desks) ..... O

IND.—Kendallville  
Baker Sons Co., J. R. (Adjustable Bedside; Reading Tables; Combined Baby Jumper; Rocking Chair) D

IND.—La Porte  
Buck & Son, Robt. (Chamber Suits; Odd Dressers; Sideboards; Chiffoniers) .... D

IND.—Lebanon  
Cambell, Smith & Ritchie (Kitchen Cabinets; Cupboards; Safes; Wardrobes) C

Lebanon Mfg. Co. (Kitchen Cabinets) ..... C  
Meyer, A. H. (Kitchen Cabinets) ..... D

IND.—Logansport  
Ash & Hadley (Extension Tables) ..... O  
Henderson & Sons, J. W. (Wood Mantels, a General Line of Furn.) ..... O  
Logansport Furn. Co. (Dining Tables) ..... B

IND.—Madison  
McKim & Cochran Furn. Co. (Dressers; Stands; Beds; Chiffoniers; Wardrobes; Toilet Suits) ..... D

IND.—Marion  
Barley & Spencer Lumber Co. (Office Furn.) ..... C  
Indiana Brass & Iron Bed Co. (Iron; Brass Beds) ... C  
Keller Chair Co. (Inc.), O. H. (Chairs) ..... C  
McCure Mfg. Co. (Kitchen Furn.) ..... E  
Marion Iron & Brass Bed Co. (Iron Beds) ..... C  
Union Cabinet Co. (Kitchen Cabinets) ..... C

IND.—Martinsville  
Hubbard, Cas. A. (Kitchen Furn.) ..... D  
Old Hickory Chair Co. (The) (Chairs; Rockers; Settees; Tables; Tabourettes; Swings; Seats; Log Chairs) ..... E

IND.—Misawhaka  
Rorer Furn. Co. (Sideboards; Buffets; Pillar Extension Dining; Library Tables; Odd Dressers; Dressing Tables; Chiffoniers; Oak Mahogany) ... B

IND.—Munice  
Glasecock Bros. Mfg. Co. (Invalid Tables) ..... C  
Hickson Mfg. Co. (Iron Beds) ..... B

**FURNITURE (Con.)**

IND.—New Albany  
Klerner Furn. Co., Henry (Bedroom Suits; Wardrobes) ..... B

Klerner, Peter (Cheap; Medium Bedroom Suits) ... D  
New Albany Table Co. (Extension Tables; Folding Beds; Sideboards) ..... D

Shrader Furn. Co., John (Mantel Folding Beds) ... D

IND.—New Castle  
Brass & Iron Bedstead Co., The (Iron; Brass Trimmed Iron Bedsteads) ..... D  
Hoosier Mfg. Co., The (Hoosier Kitchen Cabinets) ..... O

Jennings, L. A. (Kitchen Cabinets) ..... O

IND.—N. Manchester  
Syracuse Screen & Grille Co. (Screens; Easels; Grille Work; Curtain Poles; Light Furn.) ..... D

IND.—Ohio Falls  
Union Carriage & Rattan Co. (Reed; Rattan Chairs) ... O

IND.—Parker City  
Vaught Sons & Co., H. C. (Church; Bank Office Furn.) ..... O

IND.—Richmond  
Richmond Chair Co. (Double Cane Chairs) ..... D

Richmond Ind. Mfg. Co. (Brass; Iron Beds) .... B

Rowlett Desk Mfg. Co. (Roll; Flat Top Desks for Offices; Typewriter Cabinets) ..... D

IND.—Rockport  
Weiss Chair Co. (Chairs) . B

IND.—Rushville  
Innis, Pearce & Co. (Chamber Suits; Chiffoniers) B

Park Furn. Co. (Extension; Library Tables; Pedestals) C

IND.—Seymour  
Greenman & Co., Louis F. (Combination Bookcases; Bookcases; Music Cabinets; Odd Dressers; Washstands; Ladies' Desks) O

IND.—Shelbyville  
Blanchard-Hamilton Furn. Co. (Inc.) (China Closets; Bookcases; Novelties) ... D

Campbell Furn. Co., C. H. (Hall Furn.) ..... C  
Conrey-Davis Mfg. Co. (Costumers; Plate Racks; Wall Closets; Medicine Cabinets; Ladies' Desks; Extension; Directors Tables) ..... D

Conrey & Birely Table Co. (Mission Furn. Parlor; Library Tables; Tabourettes; Ladies' Dressing Tables; Pedestals) ..... A

Conrey-Foster Furn. Co. (Combination Library; Sectional Cases; Music Cabinets; China Closets) .... D

Hodell Furn. Co. (Mantel Folding Beds; Dressers; Chiffoniers; Ladies' Dressers; Commodities) ..... O

Shelbyville Desk Co. (Roll; Flat Top Desks) ..... D

Shelbyville Wardrobe Mfg. Co. (Sideboards; Buffets) O

Spiegel Furn. Co. (Chiffoniers; Dressers; Washstands) ..... B

IND.—South Bend  
Wells-Kriegbaum Mfg. Co. (Extension Tables) .... D

IND.—Spiceland  
Stigleman Mfg. Co. (Fold'g Chairs; Cupboards) .... E

IND.—Tell City  
Cabinet Makers' Union (Chamebr Suits) ..... O  
Chair Makers' Union (Double Cane Bottom Chairs) .... C

South Western ..... A  
Fiscer Chair Co., The (Double Cane Seat Chairs) ... O  
South Western Furn. Co.



**FURNITURE (Con.)**

(Chamber Suits, &c.)...C  
 Tell City Desk Co. Office  
 Desks; Wood Mantels)...O  
 Tell City Furn. Co. (Chamber  
 Suits; Wardrobes).....C  
**IND.—Troy**  
 Troy Chair Co. (Double Cane  
 Splint Seat Chairs).....D  
**IND.—Union City**  
 Koontz Sons, Inc. (Kitchen  
 Cabinets) .....C  
**IND.—Vevay**  
 Union Furn. Co. Bedroom  
 Suit; Wardrobes; Side-  
 boards; Chiffoniers; Victo-  
 ria Bedroom Suits).....C  
**IND.—Wabash**  
 Wabash Cabinet Co. (Spe-  
 cial Cabinet Work to Or-  
 der) .....A  
 Walter & Co., B. (Extension  
 Tables) .....D  
**IOWA—Burlington**  
 Chittenden & Eastman Co.  
 (Upolstered Gds; Mattres-  
 ses; Chairs) .....AAA  
 Leopold Desk Co. (Office;  
 Typewriter Desks; Office;  
 Directors' Tables).....B  
 Nort-Western Cabinet Co.  
 (Combination Bookcases;  
 Ladies' Desks; Sectional  
 Cases) .....D  
**IOWA—Cedar Rapids**  
 Cedar Rapids Wood Wkg.  
 Co. (Couch; Chair Frames)  
 D  
**IOWA—Clinton**  
 Anderson Furn. Co. (Tables;  
 Sideboards; Chiffoniers;  
 Kitchen Cabinets).....D  
 Anderson & Winter Mfg. Co.  
 (Chamber Suits; Chiffon-  
 iers; Beds) .....E  
 Heulingway Furn. Co.  
 (Lounges) .....C  
 Kelley & Bros., J. A. (Sofas;  
 Beds; Davenport; Reclin-  
 ing Chairs; Couches;&c.)  
 D  
**IOWA—Davenport**  
 Knostman & Peterson Furn.  
 Co. (Chamber Suits; Side-  
 boards; Extension Tables;  
 Centre Tables; Beds)..D  
**IOWA—Des Moines**  
 Schmilt & Henry Mfg. Co.  
 (Parlor Furn. Lounges;  
 Couches; Mattresses;  
 Woven Wire Springs;  
 Beds; Cots).....A  
**IOWA—Dubuque**  
 Dubuque Cabinet Makers'  
 Ass'n (Chairs; Rockers;  
 Lounges; Bedsteads; Cham-  
 ber Suits; Bureaus; Chif-  
 foneers; Hall Racks; Ex-  
 tension; Kitchen; Saloon;  
 Centre Tables; Stands;  
 Washstands; Wardrobes;  
 Kitchen; Glass Cupboard;  
 Kitchen Cabinets; Flour  
 Bins; Desks Secretaries;  
 Combination Cases; Inter-  
 ior Finish; Colonial;  
 Flemish; Weathered Oak  
 Furn.) .....C  
 Key City Furn. Co. (Furn.;  
 Show Cases; Store Fix-  
 tures) .....D  
**IOWA—Ft Madison**  
 Fort Madison Chair Co.  
 (Chairs; Rockers).....B  
**IOWA—Iowa Falls**  
 Iowa Falls Mfg. Co. (Bank;  
 Office Furn.).....D  
**IOWA—Sioux City**  
 Curtis Sash & Door Co.  
 (Church Pews; Screens)AA  
**KANS.—Atchinson**  
 Atchinson Mfg. Co., The  
 (Bedroom Suits; Kitchen  
 Cabinets) .....D  
**KANS.—Leavenworth**  
 Helmers Mfg. Co., The (Ex-  
 tension Tables; Kitchen;  
 Breakfast; Centre Tables;  
 Kitchen Safes; Cupboards;  
 Kitchen Cabinets; Ward-  
 robes; Cheap Suits; Dres-  
 sers) .....B  
 Klemp H. W. (Cupboards;  
 Wardrobes; Extension Ta-

**FURNITURE (Con.)**

bles) .....C  
**KANS.—Wichita**  
 Western Furn. & Mfg. Co.,  
 The (Couches; Lounges;  
 Davenports; Parlor Furn.;  
 Bedding; Box; Hair  
 Mattresses; Tables; Kit-  
 chen Safes; Cabinets;  
 Chamber Suits).....C  
**KY.—Carrollton**  
 Carrollton Furn. Mfg. Co.  
 (Bedroom Suits; Bureaus;  
 Washstands; Chiffoniers;  
 Dressing Tables; Ward-  
 robes in Mahogany,  
 Birds'-eye Maple, Curly  
 Birch; Oak; Walnut)....C  
**KY.—Covington**  
 Phoenix Mfg. Co. (Library;  
 Parlor Tables; Music Ca-  
 binets; China Cases; Ladies'  
 Desks) .....C  
**KY.—Frankfort**  
 Frankfort Chair Co. (Chairs;  
 Furn.; Reed Gds.).....A  
**KY.—Henderson**  
 Alles Bros. (Tables; Kitchen  
 Safes) .....D  
 Marstall Furn. Co. (Oak  
 and Walnut Wardrobes).C  
**KY.—Louisville**  
 Ginnich Furn. Mfg. Co.  
 (Suits; Odd Dressers;  
 Chiffoniers; Sideboard;  
 Mantel Folding Beds)..C  
 Jacobson Peter (Kitchen  
 Furn.) .....C  
 Koop Wm. (Wardrobes;  
 Glass Cupboards; Safes;  
 Kitchen Tables).....C  
 McElroy-Shannon Spring Bed  
 Mfg. Co. (Spiral Spring  
 Beds) .....C  
 Schupp & Smidt Mfg. Co.  
 (Parlor Suits).....D  
 Welkel Chair Co., Fred.  
 (Chairs) .....B  
 Wolke & Bros., H. (Bedroom  
 Suits; Wardrobes; Chif-  
 foniers; Chiffrobes; Half  
 Canopy Suits) .....B  
**KY.—Owensboro**  
 Price-Klein Co., (Plain  
 Quartered Oak Dining;  
 Library; Centre Tables;  
 Hardwood; Dining; Kit-  
 chen Tables) .....D  
**KY.—Paducah**  
 Paducah Furn. Mfg. Co. (Bed-  
 room Suits; Odd Dressers;  
 Beds; Chiffoniers).....C  
**KY.—Seven Hills**  
 Owensboro Chamber Suits Co.  
 Chamber Suits; Beds;  
 Dresses; Chiffoniers)....D  
**KY.—Warsaw**  
 McDannell's Sons Co., J. H.  
 (Chamber Suits).....B  
 Warsaw Furn. Mfg. Co., The  
 (Hall Furn.; Combination  
 Bookcases; Library Cases)  
 D  
**LA.—New Orleans**  
 Crescent Bed Co. (Ltd.)  
 (Iron; Brass Beds; Child-  
 ren's Cribs; Surprise  
 Springs; Spiral Springs;  
 Woven wire Springs; Cots;  
 Hospital Beds) .....B  
 Gulf City Spring Bed & Matt-  
 ress Mfg. Co. (Spring  
 Beds) .....A  
 Lhote Lumber Mfg. Co.  
 Furn. Store; Bar Fixtures;  
 Interior Finish).....AA  
 Magee F. B. (Spring Beds)  
 C  
 Muller Furn. Mfg. Co. (Ltd.)  
 (Medium; Common Ward-  
 robes; Beds; Safes; Cup-  
 boards; Tables; Wash-  
 stands) .....C  
 New Orleans Furn. Mfg. Co.  
 (Inc.) (Chamber Furn.;  
 Chairs; Kitchen Safes;  
 Tables; Wardrobes)....A  
 Seidel Furn. Mfg. Co. (Cheap  
 Kitchen; Bedroom Furn.)  
 A  
 Tebault W. G. (Spring  
 Beds) .....A  
**MAINE—Fairfield**  
 Fairfield Furn. Co. (Exten-

# FURNITURE (Con.)

sion; Kitchen; Saloon Tables) .....O  
 Knowles Furn. Co., The. C.  
 H. (Adjustable Sofas; Parlor Suits Bed Lounges; Couches; Divans; Turkish; Fancy; Morris Chairs) ..B  
 Nye Mfg. Co., S. A. (Desks; Chiffoniers; Fold'g Tables; Step Chairs; Bookcases; Stands; Centre Tables; &c.) .....B  
**ME.—Portland**  
 Beals Co. (Inc.), Thos. P. (Bedsteads; Dressers; Chiffoniers; Sideboards; Ladies'; Office Desks; Spring; Cot Beds; Chairs; Rockers) .....B  
 Berlin Mills Co. (Office; Bank Furn.; Desks; Chairs; Tables; Church Furn.; Fixtures) ...AAAA  
**ME.—South Paris**  
 Paris Mfg. Co. (Children; Ladies; Office Roll Top Desks) .....A  
**MD.—Baltimore**  
 Bagby Furn. Co. (Chamber Suits; Hall Racks; Wardrobes; Buffets; Tables; Chairs; Kitchen Safes; Bedsteads) .....O  
 Chipman & Son, Geo. (Chairs) .....A  
 Foster Bros. Mfg. Co. (Woven Wire Mattresses; Spiral Spring Beds; Woven Wire, Canvas; Upholstered Cots; Metallic Bedsteads; Cribs) .....D  
 Gleitsman, Herman (Parlor Suits; Couches; Lounges; Mattresses; Bedding) ...C  
 Goldstrom Bros. (Parlor Suits; Couches; Lounges; Morris Chairs; Odd Pieces) .....C  
 Hartwig & Kemper (Chairs; Fancy Rockers) .....C  
 Hechinger Bros. & Co. (Wood; Cobbler; Cane; Chairs; Rockers; Reed; Rattan Rockers; Centre Tables; Cribs; Cradles; Clothes-Trees; &c.) .....A  
 Heywood Bros. & Wakefield Co. (Chairs; Chair Cane; Chair; Car Seats; Webbing; Reed; Rattan Furn.; Rattan Specialties) ...AAAA  
 Hughes Furn. Mfg. Co., The (Chamber Suits; Odd Dressers; Chiffoniers; Wardrobes; Hall Racks; Ladies' Toilet Table; Sideboards; Enamelled Dressers) ...C  
 Joyce Mfg. Co. (Spring Beds) .....D  
 Levenson & Zenitz (Upholstered Church; Club; Lodge Furn.) .....C  
 Pimes & Co., M. (Parlor Suits; Couches) .....O  
 Rawson Mfg. Co., The (Spring Beds; Woven Wire Mattresses; Cots; Cribs; Cradles; Brass; Enamelled Beds; Adjustable Bedsteads; Step Ladder Chairs; Tables; Clothes-Trees) .....O  
 Reliable Furn. Mfg. Co. (Oak Sideboards; Chamber Suits; Dressers) .....B  
 Rich Bros. (Reed Rockers) .....E  
 Wilfson & Son, D. (Oak Sideboards; Chamber Suits; Chiffoniers; Dressing Tables; Odd Dressers) ...B  
**MD.—Hagerstown**  
 Brandt Cabinet Wks, The (Parlor Tables; Clothes-Trees) .....D  
 Hagerstown Furn. Co. (Extension Tables; Stands) A  
 Hagerstown Table Wks (Extension Tables; Small Stands) .....U  
 Hagerstown Woven Wire Mattress Co. (Woven

# FURNITURE (Con.)

Wire; Steel Springs; Cots) D  
**MASS.—Ashburnham**  
 Pierce W. B. (Chairs; Cradles; Stools) .....D  
 Whitney & Co., W. F. (Wood; Cane; Reed Chairs) .....AA  
**MASS.—Athol**  
 Morse & Sons, L. (Cradles; Cribs; Tables; Washstands) .....O  
 Stowell & Warrick (Tables; General Line of Furn.) B  
**MASS.—Baldwinsville**  
 Bishop & Dickinson (Reed; Rattan; Chairs) .....O  
 Thompson & Co., E. L. (Children's; Dining; Arm; Rocking; Cobbler; Wheel Chairs) .....A  
 Waite Chair Co. (High; (Rocking; Dining Chairs) A  
**MASS.—Boston**  
 Allen - Thompson - Whitney Co. (Children's; Office; Dining; Wood Seat; Bedroom Chairs; Rockers) ..B  
 Bay State Bedstead Co. (Brass Trimmed Iron Beds) .....D  
 Bent & Co., G. W. (Brass; Steel Bedstead; Bed Springs; Couch Beds; Fold's Beds; Morris Chairs) .....B  
 Boston Bamboo Co. (Bamboo Furn.) .....E  
 Boston Metallic Bed Co. (Iron Beds; Springs) ...D  
 Clifford Co. (Inc.) R. C. (Ash; Oak Furn.; Morris Chairs) .....O  
 Conant Ball & Co. (Dining Chamber; Office Chairs) C  
 Davenport Co., A. H. (Children's Cribs) .....AA  
 Derby Desk Co. (Roll Top Office Desks) .....AA  
 Doten-Dunten Desk Co., The (Commercial Furn. Desks; &c.) .....O  
 Dunn Co., John A. (Chairs) AA  
 Fellows Co. (The), J. B. (Adjustable Chairs; Settees) .....D  
 French & Heald (Chamber Furn.; Chiffoniers; Sideboards) .....B  
 Kenney Co., A. E. (Spring Beds; Cots; Beds; Couch Beds; Bedding) .....O  
 Lansing, E. H. (Piano Stools) .....F  
 Mellish, Byfield & Co. (Inc.) (Chamber Suits; Chairs; Sideboards) .....O  
 Merrimac Mattress Mfg. Co. (Spring Beds; Couches; Cots; Iron; Brass Beds) O  
 New England Reed Co. (Chairs; Reed; Rattan Furn.) .....F  
 Orpin Bros. (Office Furn.; Roll; Flat Top Desks; Cashiers'; Bookkeepers' Desks; Office; Directors' Table; Roll Top Cases; Filing Cabinets) .....B  
 Paine Furniture Co. (Ladies; Office Desks) .....A  
 Peabody-Williams Co. (Willow; Rush Furn.) .....F  
 Phinney M. F. (Divans) ..H  
 Sammet & Son, G. W. (Morris Chairs) .....D  
 Shales & May (Hall; Dining Room; Parlor Furn.) ...B  
 White Wm. (Invalid Chairs) E  
**MASS.—Cambridge**  
 Cook & Co., C. A. (Piano Stools) .....F  
 Shaw Co., A. B. & E. L. (Parlor; Library; Church; Lodge; Shoe Store; Club; Hotel Furn.) .....O  
**MASS.—Chelsea**  
 Maine Furn. Co. (Inc.)

**FURNITURE (Con.)**

(Oak; Ash Chamber Furn.)  
 Theise, Fred. (Willow Reed;  
 Rattan Furn.) ..... O  
**MASS.—Cummington**  
 Stevens, A. V. (Towel  
 Racks) ..... F  
**MASS.—Erving**  
 Washburn & Heywood Chair  
 Co. (Cane; Woodseat  
 Chairs) ..... A  
**MASS.—Gardner**  
 Bent & Bros., S. (Chairs;  
 Settees) ..... A  
 Brown Bros. Co. (Inc.)  
 (Wood; Cane Seat Chairs;  
 Children's Chairs) ..... D  
 Conant, Ball & Co. (Dining;  
 Chamber; Office Chairs) ..... O  
 Derby & Co., P. (Chairs;  
 Settees) ..... A  
 Dunn Co., John A. (Chairs)  
 AA  
 Greenwood Bros & Co. (Full  
 Line of Chairs) ..... A  
 Heywood Bros. & Wakefield  
 Co. (Chairs; Chair Cane;  
 Chair and Car Seats; Web-  
 bing; Reed Rattan Furn.;  
 Cribs) ..... AAAA  
 Howe, Spaulding & Co.  
 (Chairs) ..... E  
 Kelly Bros. (Reed; Rattan  
 Furn.; Fancy Rockers) ..... E  
 Knowlton, A. & H. C. (Cane;  
 Wood Seat; Cobbler  
 Chairs) ..... C  
 Pierce & Son, S. K. (Chairs;  
 Rockers in cheap and me-  
 dium grades) ..... B  
 Pines Mfg. Co. (Children's  
 Chairs; High Chairs;  
 Rockers; Morris Chairs;  
 Seat Frames) ..... D  
 Ramsdell, L. B. (Children's  
 Chairs) ..... C  
**MASS.—Holyoke**  
 Coburn Trolley Track Mfg.  
 Co. (Chameleonite fin-  
 ished Bedsteads; Cribs) ..... A  
 Wagner Spring Bed Mfg. Co.  
 (Woven Wire; Spiral  
 Springs; Cots) ..... X  
**MASS.—Leominster**  
 Bartlett & Co., H. E. (Ta-  
 bles; Easels; Wood Novel-  
 ties) ..... D  
 Whitney Reed Chair Co.  
 (Reed; Rattan Chairs;  
 Furn.) ..... C  
**MASS.—Manchester**  
 Dodge Furn. Co., C. (Office;  
 Library; Parlor; Dining  
 Room Furn.; Cheval Glass;  
 Couch; Sofa Frames; Small  
 Cabinets; Special Furn.  
 made to Order) ..... C  
**MASS.—New Bedford**  
 Bay State Chair Co. (Reed  
 Chairs) ..... E  
**MASS.—No. Leominster**  
 Merriam Hall & Co. (Cham-  
 ber Furn.; Chiffoniers;  
 Washstands; Ladies' Toi-  
 let Tables in Ash; Oak;  
 White Enamel) ..... B  
**MASS.—South Gardner**  
 Bent & Bros., S. (Cane  
 Seat; Rocking; Children's  
 Chairs) ..... A  
**MASS.—Wakefield**  
 Jenkins-Philpps Co. (Reed;  
 tan; Willow Furn.) ..... X  
 Wakefield Reed Chair &  
 Carriage Co. (Reed; Rat-  
 tan; Willow Furn.) ..... X  
**MASS.—Winchendon**  
 Carter & Co., C. L. (Reed  
 Chairs) ..... C  
 Clark & Co., W. P. (Chairs)  
 B  
**MICH.—Allegan**  
 Baker & Co. (Combination  
 Bookcases) ..... B  
 Oliver & Co. (Combination  
 Secretaries; Bookcases) ..... D  
**MICH.—Ann Arbor**  
 Michigan Furn. Co. (Cham-  
 ber Suits; Medium Price)  
 C

**FURNITURE (Con.)**

**MICH.—Bancroft**  
 Callard Furn. Co. (Ltd.)  
 (Chamber Furn.) ..... A  
**MICH.—Belding**  
 Belding Hall Mfg. Co. (Fold-  
 ing Card Tables) ..... A  
**MICH.—Benton Harbor**  
 Spencer & Barnes Co., The  
 (Bedroom Furn.; Beds;  
 Dressers; Chiffoniers;  
 Commodes; Somnoes;  
 Dressing Tables; Stools)  
 C  
**MICH.—Big Rapids**  
 Luce-Redmond Chair Co.  
 (Dining; Office; Hall  
 Chairs; Rockers) ..... C  
**MICH.—Bronson**  
 Ruple & Son, H. (Footstools)  
 E  
**MICH.—Charlotte**  
 Charlotte Mfg. Co. (Office,  
 Library Parlor; Extension  
 Tables) ..... C  
**MICH.—Corunna**  
 Corunna Furn. Co. (Chamber  
 Suits) ..... B  
 Fox & Mason Furn. Co., The  
 (Chamber Suits) ..... O  
**MICH.—Detroit**  
 Amer. Go-Cart Co. (Reed  
 Furn. Combination Chairs)  
 O  
 Detroit Cabinet Co. (Music  
 Cabinets; Ladies' Desks  
 Secretaries; Writing; Sew-  
 ing; Parlor; Tea Tables;  
 Jardinieres Stands) ..... C  
 Detroit Mattress and Spring  
 Bed Co. (Spring Beds) ..... D  
 Detroit Rack Co. (Metal Hall  
 Tles; Hall Chairs; Cos-  
 tumers; Umbrella; Shav-  
 ing Stands; Hat; Coat;  
 Towel; Racks; Metal Ta-  
 ble with Mahogany Tops)  
 F  
 Detroit Rattan & Reed Wks.  
 (Reed Furn.) ..... F  
 Haberkorn & Co., C. H.  
 (Parlor; Library; Office  
 Tables; Tabouretes; Pe-  
 destals; Somnoes; Cellar-  
 ettes; Costumers; Den  
 Pieces; &c.) ..... A  
 Ideal Register & Metallic  
 Furn. Co. (Metal Hat;  
 Coat Racks; Umbrella  
 Stands; Towel Racks;  
 Cheval Glasses; &c.) ..... E  
 Jenks & Muir Mfg. Co.  
 (Brass; Iron Beds;  
 Springs; Mattresses; Pil-  
 lows) ..... A  
 Koepfner, Herman (Willow  
 Ware) ..... F  
 Metal Novelty Co. (Metal  
 Hall Trees; Costumers;  
 Washstands; Tables;  
 Flower Stands; Umbrella  
 Stands) ..... C  
 Murphy Chair Co. (Chairs)  
 AA  
 Osebold & Co., A. (Church  
 Furn.) ..... F  
 Palmer Mfg. Co. (Woven  
 Wire Spring Beds; &c.) ..... C  
 Pioneer Mfg. Co. (Inc.)  
 (Reed Furn.) ..... E  
 Pohlman & Co., Chas.  
 (Couch; Rocker; Chair;  
 Davenport Frames in the  
 White) ..... B  
 Posselius Bros. Furn. Mfg.  
 Co., The (Extension Ta-  
 bles) ..... B  
 Safety Folding Bed Co.  
 (Ltd.) (Fold'g Iron Beds)  
 A  
 Widman & Co., C. D. (Hat  
 Racks; Hall Seats; Shev-  
 als; Hanging Racks; Mir-  
 rors) ..... B  
 Widman & Co., J. C. (Colo-  
 nial; Florentine Mirrors;  
 Parlor Cabinets; Hall  
 Furn.; Chevals) ..... C  
 Wolverine Mfg. Co. (Parlor;  
 Library Tables; Tabouret-  
 tes; Pedestals; Jardinieres  
 Den Cabinets) ..... A  
 Wolverine Reed Co. (Reed;  
 Rattan Chairs; Rockers) D

## FURNITURE (Con.)

**MICH.—Dowagiac**  
Dowagiac Furn. Co. (Iron Beds) .....AA  
**MICH.—Grand Ledge**  
Grand Ledge Chair Co. (Chairs) .....A  
Grand Ledge Table Co. (Tables; Chairs) .....A  
**MICH.—Grand Rapids**  
Berkey Furn. Co., Wm. A. (Parlor; Library Tables; House Desks; Chamber Furn.; Parlor; Music Cabinets; Bookcases; Dressing Tables) .....B  
Berkey & Gay Furn. Co. (Inc.) (Medium; High Grade Bedroom; Dining Room; Library Furn.)...A  
Grand Rapids Brass & Iron Bed Co. (Ltd.) (Brass; Iron Beds) .....C  
Grand Rapids Chair Co. (House Desks, Music Cabinets, Cellarettes; Hall Racks, Hall Seats; Hall Glasses; Cedar Lined Boxes; Library; Breakfast; Hall; Directors'; Serving Tables; Stands; Sideboards; Buffets; China Closets; Bookcases; Bookshelves) .....AA  
Grand Rapids Fancy Furn. Co. (Ladies' Desks; Bookcases; Music Cabinets; Writing Tables) .....B  
Grand Rapids Table Co. (Parlor; Den; Library; Bedroom; Invalid; Cafe Tables) .....C  
Gunn Furn. Co., The (Office Desks; Sectional Bookcases; Filing Devices)...A  
Haney School Furn. Co. (School Furn.; Office Desks; Artificial Blackboard; Sectional Bookcases) .....C  
Imperial Furn. Co. (Tables; &c.) .....A  
Lambert & Co., Chas. P. (Art; Mission Furn.)...C  
Luce Furn. Co. (Chamber Suits; Sideboards; Buffets) .....B  
Macey-Wernicke Co. (Office; Library Furn.; Desks; Sectional Bookcases; Card Index Systems; Filing Cabinets; Office Chairs, Typewriter Cabinets; Desks; Leather Rockers; Chairs; Couches; &c.) .....AA  
Michigan Chair Co. (Inc.) (Chairs; Hall Furn.; Tables; Tabourettes; Stands; Ladies' Desks; &c.)...B  
Mueller & Slack Co. (Inc.) (Upholstered Furn. of all kinds) .....C  
Nelson-Mater Furn. Co. (Bedroom; Dining Room Furn.) .....AA  
New England Furn. Co. (Sideboards; Buffets; Closets; Dining Room Suits) .....B  
Oriental Cabinet Co. (Inc.) (Music; Parlor Cabinets; Dining Room Suits Complete; Bookcases; Novelties; Fancy Furn.; Ladies' Desks) .....A  
Phoenix Furn. Co. (Bed; Dining; Hall; Den; Parlor Furn.) .....AA  
Retting & Sweet (Parlor; Lodge; Pulpit Furn.; Library; Directors' Tables) .....B  
Royal Furn. Co. (Bedroom; Dining; Library Furn.; Ladies' Desks) .....B  
Sligh Furn. Co. (Bedroom Furn.; Ladies Desks) AA  
Stickly Bros. Co. (Inc.) (Fancy Chairs; Tables) .....B  
Stow & Davis Furn. Co. (Oak Dining; Directors'; Office Tables) .....C

## FURNITURE (Con.)

Valley City Desk Co. (Roll Top Office Desks) .....C  
Waddell Mfg. Co. (Carvings; Mouldings; Grilles)....C  
Welch Fold'g Bed Co. (Inc.) (Fold'g Beds) .....B  
Widdicomb Co. (Inc.) (Bedroom Furn.) .....B  
Widdicomb Furn. Co., The (Chamber Suits).....AA  
**MICH.—Greenville**  
Skinner & Steenman (Sideboards; Buffets) .....B  
**MICH.—Holland**  
Holland Furn. Co. (Suits; Dressers; Chiffoniers)...C  
Ottawa Furn. Co. (Sideboards; Mahogany Suits; Ladies' Dressing Tables; Chiffoniers) .....C  
West Michigan Furn. Co. (Inc.) (Chamber Suits; Sideboards; Buffets; Chiffoniers; Combination Commodities; Odd Dressers; in Elm; Oak; Mahogany)...A

## CHAMBER AND DINING ROOM FURNITURE.

*Suits, Dressers, Chiffoniers, Dressing Tables, Sideboards and Buffets. Ours is the largest Chamber Suite Factory in the world and our line is confined strictly to low prices and medium grade goods.*

*We have a great variety of patterns in both light and heavy weight goods. We make Suits ranging in price from \$12 to \$100, Dressers and Chiffoniers from \$5.00 to \$50.00, Sideboards from \$9.00 to \$75.00.*

*Our designs in low priced and medium grade goods are unequalled. Our prices are extremely low for the quality of the goods, as is evidenced by the fact that we have a larger volume of business in the United States.*

*Our new catalog will be ready for distribution about April 1st. We shall be glad to receive your inquiries and shall be pleased to send you catalog upon application.*

**MICH.—Kalamazoo**  
Kalamazoo Sled Co. (Bent; Folding Seats; Lawn Swings; Stools; Chairs; Patented Specialties)...C

**MICH.—Manistee**  
Manistee Mfg. Co. (Sideboards; Buffets; Chiffoniers) .....C  
Manistee Novelty Co. (Furn. Novelties; Children's Furn. Fold'g Tables) .....C

**MICH.—Muskegon**  
Grand Rapids Desk Co. (Office; House Desks)...C  
Muskegon Valley Furn. Co. (Beds; Dressers; Chiffoniers; Toilet Tables; Cheval Mirrors; Dressers; Princess Dressers; Wardrobes; Washstands; Somnoes)...B  
Sargent Mfg. Co. (Inc.) (Ladies Desks; Chiffoniers; Hall Trees; Shaving Stands; Street Rolling Chairs; Revolving Bookcases; Book Holders; Dictionary Stands); &c. ....D  
Shaw-Walker Co., The. (Card System Cabinets; Filing Devices; Sectional

- FURNITURE (Con.)**  
 Bookcases; Office Fixtures; Special Furn.)...D  
**MICH.—Nashville**  
 Lens Table Co. (Extension Tables).....C  
**MICH.—Niles**  
 Earl-Storms Co. (Chairs).E  
**MICH.—Otsago**  
 Otsago Chair Co. (Cane; Wood; Cobbler; Upholstered Chairs; Rockers).B  
**MICH.—Owosso**  
 Estey Mfg. Co. (Chamber Suits; Sideboards; Chiffoniers; Buffets; Odd Dressers, &c.).....A  
 Robbins Table Co. (Inc.) (Extension Tables)....D  
 Woodard Furn. Co. (Beds; Dressers; Washstands; Chiffoniers; Ladies' Dressing Tables).....D  
**MICH.—Portland**  
 Blandfield Furn. Co. (Extension; Library Tables; Ladies' Desks).....E  
 Dellenbaugh-Alton Mfg. Co. (Morris Chairs).....E  
 Ramsey-Alton Mfg. Co. (Morris Chairs).....D  
**MICH.—Reading**  
 Acme Chair Co. (Folding Chairs; Tables; Folding Lawn Seats; Settees; Folding Opera Chairs).C  
 Schermerhorn, C. D. (Folding Chairs).....C  
**MICH.—Saginaw**  
 Herzog Art Furn. Co. (Ladies' Desks; Music Cabinets; Centre Tables).....D  
**MICH.—St. Johns**  
 St. Johns Table Co. (Extension; Breakfast; Kitchen; Parlor; Library; Office; Saloon Tables).....D  
**MICH.—Sturgis**  
 Aulsbrook & Sturges (Suits; Sideboards; Dressers)...B  
 Grobhisser & Crosby Furn. Co. (Extension; Directors' Office; Library; Cafe Tables).....E  
 Royal Chair Co. (Morris Chairs).....E  
**MICH.—Traverse City**  
 Beltner, Wm. (Chairs)...C  
 Fulghnam & Roberts Mfg. Co. (Chairs).....C  
**MINN.—Faribault**  
 Faribault Rattan Co. (Rattan Chairs).....F  
**MINN.—Minneapolis**  
 Barnard-Cope Mfg. Co. (Extension; Library; Centre; Combination Tables; Chamber Suits; Odd Dressers).....B  
 Cree-Dickson Mfg. Co. (Sectional Book Cases).....B  
 Gangelhoff ros. (Spring Beds; Cots).....B  
 Levin. Bros. (Couches; Lounges; Davenports; Sofa Beds; Parlor Suits; Odd Pieces).....B  
 McLeod & Smith (Upholstered Furn.; Parlor Suits; Rockers; Easy Chairs; Couches; Bed; Single Lounges; Davenports; Divans; Sofa Beds; Foot Rests, &c.).....O  
 Minneapolis Bedding Co. (Iron; Brass Bedsteads; Cots; Cribs; Wire Springs; Coil Springs; Excelsior Feathers; Iron Couches; Iron Foldg. Beds).....B  
 Minneapolis Furn. Co. (Chamber Suits; Chiffoniers; Sideboards; Folding Beds; Kitchen Cabinets).....A  
 Minneapolis Office & School Furniture Co. (Flat; Roll Top; Standing Desks)...D  
 Salisbury & Satterlee (Spring; Iron Beds; Cots; Cribs; Cradles).....A
- FURNITURE (Con.)**  
 Webster Mfg. Co. (Chairs).....A  
 Witte Mfg. Co., J. C. (Office Furn.).....C  
**MINN.—New Duluth**  
 Thompson Furn. Co., H. J. (Bedroom; Suits; Chiffoniers; Sideboards)....C  
**MINN.—St. Paul**  
 Amer. Folding Bed Co. (Folding Beds; Chamber Suits; Extension; Parlor Tables; Combination; Library Cases).....C  
 Dunn, John A. (Chairs)...B  
 Luger Furniture Co. (Library Desks).....A  
 Northwestern Bedding Co. (Springs; Cots, &c.)...B  
 St. Anthony Furn. Co. (Office; Club; Saloon; Restaurant; Library; Dining Room Tables).....B  
 St. Paul Furn. Co. (Bank; Store; Church Furn.)...B  
 Twin City Reed & Rattan Co. (Reed; Rattan Chairs).....F  
 United States Bedding Co. (Iron; Spring Beds; Cots; Cribs; Cradles).....D  
**MINN.—Sank Centre**  
 Kellar Mfg. Co. (Tables).B  
**MISS.—Greenwood**  
 Weems-Lockwood Furn. Co. (Chamber Suits; Odd Dressers; Odd Beds)....B  
**MISS.—Vicksburg**  
 Mississippi Furn. Mfg. Co. (General line of cheap and medium goods).....A  
**MO.—Carthage**  
 Leggett & Platt Spring Bed & Mfg. Co. (Spring Beds).....A  
**MO.—Kansas City**  
 Abernathy Furn. Co. (Chamber Suits; Sideboards; Chiffoniers; Kitchen Safes; Cabinets; Couches; Parlor Furn.; Mattresses).....AA  
 Brown Mfg. Co. (Iron Beds).....F  
 Hettinger Bros. Mfg. Co. (General line).....B  
 Lloyd, J. H. (Cots).....D  
 Sammons, V. K. (Spring Beds; Lounges).....B  
**MO.—Lexington**  
 Winkler Furn. Co. (Upholstered Furn.; Wood Mantels; Office Desks).....D  
**MO.—Martinsburg**  
 Friedman & Co., N. M. (Frames; Mouldings)...O  
**MO.—St. Joseph**  
 Talge Lounge Co., Jno. H. (Couches; Folding Beds).....O  
**MO.—St. Louis**  
 Amer. Bed Co. (Brass; Iron; Stationary Folding Canopy Beds; Steel Couches; Cribs; Cots; Davenports).....A  
*Special attention given to the export trade. Goods for export carefully crated and all custom house requirements carefully complied with. Our entire line was awarded the Gold Medal at the World's Fair, this being the highest award made, thus giving our production the world's highest endorsement. Send for catalogue.*
- Amer. Rattan Co. (Rattan; Willow Ware).....B  
 Ande Furn. Co. (Extension; Parlor Tables; Kitchen Cabinets; Bedsteads)...C  
 Central Furn. Co. (Chamber Suits; Wardrobes).....C  
 Conrades, Chair & Parlor

## FURNITURE (Con.)

Furn. Co., J. H. (Parlor  
Furn.; Chairs; Couches). A  
Diederich Furn. Co. (The).  
Geo. H. (Bedsteads;  
Lounges; Cribs). B  
Eckhoff Furn. Co. (Ward-  
robes; Cupboards). C  
Foster Bros. Mfg. Co.  
(Spiral Spring; Iron  
Beds; Cots; Cribs. &c.). B  
Friederich & Bro. Furn. Co.,  
L. (Lounge Frames; Book-  
cases; Desks; Parlor  
Tables; Dressers). C  
Hampeter, Frederick W.  
(Wardrobes; Bookcases;  
Desks; Safes; Tables;  
Chamber Suits). B  
Heller & Hoffman Chair  
Mfg. Co. (Chairs; Rock-  
ers). B  
Holtgreve-Vernbrock Furn.  
Co. (Chamber Suits; Fold-  
ing Beds). C  
Fluke Rattan & Willow  
Ware Mfg. Co., Wm.  
(Willow). D  
Kaiser & Co., Jacob (Rat-  
tan Chairs; Rockers). B  
Koenig. Furn. Co. (Wood  
Beds; Chamber Suits;  
Tables; Wardrobes; Kit-  
chen Safes; Cupboards;  
Glass Safes; Separate  
Dressers; Commodes;  
Bookcases; Desks). C  
Lasher & Co., R. E. (Dress-  
ers; Wardrobes; Wash-  
stands; Chiffoniers; Glass  
Cupboards; Extension  
Tables; Kitchen Safes). B  
Lerol Furn. Mfg. Co. (Ward-  
robes; Glass Cupboards;  
Safes; Extension; Break-  
fast; Kitchen Tables;  
Bookcases). B  
Logeman Chair Mfg. Co., F.  
H. (Chairs; Settees). A  
Meier & Pohlman Furn. Co.  
(Sideboards; Extension  
Tables). C  
Mellon Mfg. Co., Peter H.  
(Iron Beds; Springs). B  
Mound City Chair Co.  
(Chairs). D  
Peters Furn. Co., Joseph  
(Bedroom Suits; Side-  
boards). B  
Prufrock, Wm. (Upholstered  
Leather Furn.; Lounges;  
Mattresses). A  
St Louis Bed & Mfg. Co.  
(Iron; Brass Beds; Spring;  
Cots). B  
Scarlett-Comstock Furn. Co.  
(Furniture; Upholstery;  
Mattresses; Car Seats; Of-  
fice Desks; Cribs). A  
Smith & Davis Mfg.  
Co. (Brass; Iron Beds;  
Springs). A  
Sueme, Chas. (Extension  
Tables; Kitchen Safes;  
Wardrobes). B  
Western Furn. Co. (Desks;  
Bookcases; China Closets.  
&c.). B  
Wolf & Kraemer Furn. Co.  
(Wardrobes). B  
**MO.—Springfield**  
Springfield Furn. Co. (Bed-  
room Suits; Sideboards;  
Extension Tables; Kitchen  
Safes; Kitchen Cabinets;  
Beds; Dressers). C  
**NEBR.—Fremont**  
Parlor Furniture & Mattress  
Co. (Parlor). D  
**NEBR.—Omaha**  
Doup, L. G. (Upholstered  
Furn.; Mattresses; Pil-  
lows; Couches; Lounges). C  
**N. H.—East Jaffrey**  
Hadley Mfg. Co., M.  
L. (Morris; Children's  
Chairs; Cobbler; Chil-  
dren's Rockers of Oak;  
Birch; Maple). F  
**N. H.—Keene**  
Burdett Chair Mfg. Co.  
(Rattan; Splint Seat  
Chairs). C

## FURNITURE (Con.)

Colony, L. J. (Rattan Porch  
Chairs). C  
Dunn & Salisbury (High Art  
Dining; Library; Bed-  
room; Children's; Fancy  
Chairs; Rockers in Cane;  
Cobbler; Saddle Seats). B  
Pierce Co. (Inc.), Fred. B.  
(Porch Chairs). C  
**N. H.—Nashua**  
Brown, J. M. (Morris  
Chairs; Jardiniere Stands;  
Beds; Foldg. Cots; Cribs;  
Woven Wire Springs). D  
Crosby Invalid Furn. Co.  
(Invalid Furn.). E  
Fletcher & Webster Furn.  
Co. (Centre Tables;  
Swing and Rocking Cra-  
dles; Umbrella and Hall  
Stands; Folding Cribs;  
Towel Racks). C  
Howard Furn. Co. (Chamber  
Suits; Chiffoniers; Exten-  
sion Tables). B  
Howard & Co. (Spring  
Beds). C  
Maine Mfg. Co. (Refriger-  
ators; Screen Sticks;  
Corners; Children's Desks). C  
Nashua Novelty Wks.  
(Opera; Lawn; Piazza;  
Church; Reclining; Camp;  
Undertakers' Chairs; Set-  
tees; Ironing Tables; Fold-  
ing Hat Racks). C  
**N. J.—Hoboken**  
Ferguson Bros. Mfg. Co.  
(Screens; Easels; Furn.  
Novelties). A  
Woodman, J. H. (Veneer  
Seats). C  
**N. J.—Jersey City**  
Amer. Veneer Co. (Settees,  
&c.). D  
Mersereau Metal Bed Co.  
(Brass; Iron Beds). C  
National Bedstead Mfg. Co.  
(Iron Beds). E  
New York Metallic Bedstead  
Co. (Brass Bedsteads;  
Cribs; Iron Bedsteads;  
Cribs; Divans; Brass  
Clothes-trees; Shaving  
Stands; Cheval Glasses;  
Iron Towel Racks). A  
Runyon Mfg. Co., J. D.  
(Bed Springs). D  
**N. J.—Kearny**  
Knickerbocker Metallic Bed  
Co. (Brass Beds; Cribs;  
Brass Costumers; Iron  
Beds; Cribs). C  
**N. J.—Newark**  
Hemmer Bros. (Office;  
Library Furn.; Desks). A  
Smith, Hugh (High Grade  
Furniture Leather; Up-  
holstery Leather). B  
Star Spring Bed Co. (The)  
(Woven Wire Springs;  
Cabinet Cot Beds). E  
**N. J.—New Milford**  
Bogert Chair Factory, T. C.  
(Rush Seat Chairs). F  
**N. J.—Trenton**  
Trenton Lamp & Mfg. Co.  
(Brass; Iron Bedsteads). B  
**N. J.—Westwood**  
Collignon A. (Steamer  
Chairs). F  
**N. Y.—Albany**  
Hasselbarth, C. O. (Cots). C  
**N. Y.—Binghamton**  
Binghamton Chair Co. (Mor-  
ris Chairs). A  
Stickley & Brandt Chair Co.  
(The) (Fancy; Antique  
Chairs; Rockers; Settees;  
Morris Chairs; Mission  
Furn.). A  
Wilkinson & Eastwood  
Chair Co. (Morris Gold  
Dining; Wood Seat Rock-  
ers; Vernis; Martin; Rock-  
wood Chairs; Novelities). B  
**N. Y.—Black River**  
Black River Bending Co.  
(Summer Furn. in Lawn  
Settees; Chairs; Rockers;

# FURNITURE (Con.)

Couches; Tables) .....D  
 Dexter Chair Co., H. C.  
 (Summer Chairs; Furn.;  
 Fancy Chairs; Rockers;  
 Mission Furn.) .....C

## N. Y.—Brooklyn

Adler Veneer Seat Co. (Par-  
 lor; Library; Smokers'  
 Tables; Mission Furniture;  
 Chairs; Settees; Gilt  
 Chairs) .....C

Brooklyn Chair Co. (Office;  
 Dining; Bedroom; Mission  
 Chairs; Ladies' Desks) ..B

Greenpoint Metallic Bed Co.  
 (Metallic Bedsteads;  
 Washstands; Brass; Iron  
 Cribs; Metallic Couches;  
 Hospital Furn.) .....A

Medicus & Son, C. H. (Par-  
 lor Furn.; Novelties) ..B  
 Namm, Adolph I. (Divans)  
 AA

National Parlor Suit Co.  
 (Parlor Furn.; Couches;  
 Odd Pieces) .....D

Prairie Grass Furn. Co.  
 ("Cruz" Prairie Grass  
 Furn.) .....B

Royal Metal Furn. Co.  
 (Brass; Iron Beds) ....B

Schneider & Son, F. (Par-  
 lor Suit Frames) .....B

Whitney & Co., W. F.  
 Maple; Oak Chairs; Rock-  
 ers; Oak Box Seat Dining  
 Chairs; Cobble Rockers;  
 Reed Chairs; Rockers;  
 Suits) .....A

## N. Y.—Buffalo

Barcalo Mfg. Co. (Inc.)  
 (Brass; Iron Beds; Cribs;  
 Springs; Mattresses) ..C

Buffalo Desk & Table Co.  
 (Parlor; Library Tables)  
 C

Buffalo Lounge Co.  
 (Lounges; Couches) .....C

Colle & Son (Upholstered  
 Furn.; Couches; Parlor  
 Suits; Odd Pieces; Mor-  
 ris Chairs; Davenports) ..C

Cutler & Son, A. (Office  
 Furn.; Typewriter Desks;  
 Filing Cabinets; Letter  
 Press Stands; Office  
 Chairs; Directors' and Of-  
 fice Tables) .....B

Hard Mfg. Co. (Malleable  
 Iron Bedsteads; Children's  
 Cribs; Hospital Beds;  
 Spring Beds; Woven Wire  
 Mattresses; Hair; Felt;  
 Combination Pillows;  
 Cushions; Mattresses;  
 Couches; Toy Beds) ...C

Sikes Chair Co. (Cane;  
 Leather Dining Chairs;  
 Rocking Chairs) .....B

## N. Y.—Camden

Camden Cabinet Co. (Hale  
 Sectional Bookcases) ...C

Conants' Sons, F. H. (Fancy  
 Rockers; Desk; Morris  
 Mission; Dutch; Vernis  
 Martin Reception Chairs)  
 C

## N. Y.—Canastota

Smith, Ellis & Joyce (China  
 Closets; Buffets; Ladies'  
 Roll Top Desks) .....B

## N. Y.—Chichester

Schwarzwaelder, L. A.  
 (Folding; Portable Chairs;  
 Office Desks; Bank; Of-  
 fice Fixtures; Special  
 Cabinet Works to Order).A

My New York Sales-  
 room is at 13 East 16th  
 St., where samples of my  
 line may be inspected.

My factory is located  
 in the hardwood belt of  
 the Catskills, of which I  
 own more than 7,000  
 acres. Have my own saw  
 mills and am therefore  
 first hand, saving to my  
 customers lumbermen's

and lumber dealers' prof-  
 its.

A corps of draughts-  
 men are in attendance at  
 my New York office  
 ready at all times to  
 make special designs for  
 any and all kinds of cab-  
 inet work and special fi-  
 tures. Plans, sketches  
 and estimates furnished  
 upon request without  
 charge

## N. Y.—Cohoes

Standard Refrigerator Co.  
 (The) (Music Cabinets;  
 Ladies' Desks; Cellar-  
 ettes) .....C

## N. Y.—Eldridge

National Chair Mfg. Co.  
 (Clark, Hunsiker & Co.)  
 (Chairs; Novelties) .....C

## N. Y.—Elmira Heights

Elmira Table Mfg. Co.  
 (Extension Tables;  
 Stands) .....C

## N. Y.—Geneva

Geneva Furn. Mfg. Co. (Up-  
 holstered Lounges;  
 Couches; Sofa Beds) ...C

## N. Y.—Gouverneur

Van Duzee Mfg. Co., S. B.  
 (Folding; Typewriter;  
 Extension Tables; Cham-  
 ber Suits; Lapboards) ..D

## N. Y.—Groton

Conger-Norton Chair Co.  
 (Cane; Cobbler Seat Din-  
 ing Chairs; Rockers; Of-  
 fice Chairs) .....C

## N. Y.—Herkimer

Horrocks Desk Co. (Inc.)  
 (Office Furn.; Type-  
 writer Roll; Flat Top Of-  
 fice desks; Office; Type-  
 writer Tables; Sectional  
 Bookcases; Filing De-  
 vices) .....C

Standard Furn. Co. (Inc.)  
 (Office Desks) .....A

Wagner Couch Co. (Adjust-  
 able Bed; Box; Leather  
 Couches; Lounges; Couch  
 Frames) .....F

## N. Y.—Hornellsville

Deutsch & Co., J. M. (Par-  
 lor; Library Tables; Tab-  
 ourettes; Pedestals) ....B

## N. Y.—Hudson

Winstian, Louis (Uphol-  
 stered Furn.) .....B

## N. Y.—Illion

Tucker File & Cabinet Co.  
 (Special Furn. Made to  
 Order; Filing Cabinets).C

## N. Y.—Jamestown

Atlas Furn. Co. (Chiffon-  
 iers; Dressers) .....A

Ralley-Jones Co. (Inc.)  
 (Parlor; Library; Bed-  
 room; Directors'; Ladies'  
 Sewing Tables; Pedestals)  
 A

Curtis Co., F. M., The  
 (Odd Dressers; Ladies  
 Desks; Music Cabinets).C

Diamond Furn. Co. (Parlor;  
 Library Tables; Tabou-  
 rettes; Pedestals) .....B

Fenton Metallic Mfg. Co.  
 (Metallic Desks) .....A

Jamestown Loungue Co.  
 (Couches; Sofa Beds;  
 Davenports; Adjustable  
 Sofas; Box Divans; Bed  
 Lounges) .....A

Maddox Table Co. (Parlor;  
 Library Tables; Tabou-  
 rettes; Pedestals; Vernis-  
 Martin Tables; Odd  
 Pieces) .....A

Morgan Mfg. Co. (Parlor;  
 Library Tables; Tabou-  
 rettes; Pedestals) .....B

## N. Y.—Keesville

Prescott & Son, R. (Cham-  
 ber Suits; Dressers; Chif-  
 foniers; Washstands; Bed-  
 steads) .....B

**FURNITURE (Con.)**

**N. Y.—Lesterahire**  
 Marshall Furn. Co. (Furniture Specialties) .....C  
**N. Y.—Lockport**  
 Oliver Bros. Co. (Brass; Iron Bedsteads) .....A  
**N. Y.—Lowville**  
 Haberer, John E. (Chamber Suits; Chiffoniers) .....B  
**N. Y.—Medina**  
 Cook & Co., S. A. (Morris Chairs; Reclining Rockers; Patent Adjustable End Divans; Davenport Beds; Turkish Chairs; Specialties in Couches; Parlor Furn.) .....A  
 Maher Bros. (Parlor Suits; Sofa Beds; Couches; Davenport; Odd Pieces) ...B  
**N. Y.—Mt. Lebanon**  
 Wagen & Co., R. M. (The Shakers) (Shaker Chairs) AA

**New York City**

Aimone Mfg. Co. (Bedroom; Dining; Library; Hall; Fancy Furn. in Mahogany; Inlaid) .....B  
 American School Furn. Co. (School; Church Furn.; Opera Chairs; Auditorium Seating) .....AAAA  
 Austrian Bent Wood Furn. Co. (The) (Bent Wood Chairs; Sofas; Settees; Clothes Stands; Costumers; Hat Racks; Rockers; Stools, etc.) .....AAA  
 Bhungara Co. (The), F. P. (Oriental Carved; Inlaid Furn.; Furn. Coverings from India; Turkey; Syria) .....C  
 Corbett Chair Co. (Wood; Cane Seat Chairs; Rockers; Cobbler Rockers; Box Seat; Office Chairs) ...D  
 Cornell Co., J. B. & J. M., 20th & 11th Av. (Steel; Metallic Desks) .....AA  
 Cunningham Sons' Rattan Co. (Reed; Rattan) .....F  
 Derby & Co., P. (Chairs; Settees) .....A  
 Estabrook & Co., S. G. (Parlor; Library Furn.) ....A  
 Fennell, John (Parlor Suits) .....A  
 Fruauf, Jacob (Est. of) (Parlor Suits; Couches; Lounges) .....C  
 Hale & Kilburn Mfg. Co. (Telescope Parlor Beds; Convertible Sofas; Portable Reservoir Wash Stands; Polished Hardwood Odorless Commodes) AA  
 Hall, Frank A. (Bedding; Brass; Iron Bedsteads; Down Cushions; Woven Wire Mattresses) .....B  
 Helmsky, John (Parlor Frames) .....C  
 Herrmann Furn. & Plumbers' Cabinet Wks. (Bedroom Suits; Chiffoniers; Odd Dressers; Bedroom; Dining Tables; Wardrobes; Bookcases; Sideboards; Hall Stands; Music Cabinets; Parlor; Roll; Flat Top; Standing Desks) .....A  
 Hospital Supply Co. (Ward Furn.) .....A  
 Hunzinger & Son, Geo. (Chairs; Rockers; Platform Rockers; Tete; Card Tables; Summer; Quaint Furn.) .....B  
 Jansen, Edward (Green Rush; Willow; Raffia Furn.; Fancy Baskets) ..E  
 Judd Co., H. L. (Metallic Bedsteads; Cribs; Curtain Poles; Upholsterers') ..AA  
 Killam Bros. & Somma (Mahogany Inlaid Furn.) A  
 Kohn, Jacob & Joseph (Aus-

**FURNITURE (Con.)**

trian Bent Wood Furn.)  
 AAAAA  
 Madison Mfg. Co. (Brass Beds) .....E  
 Manhattan Bedding Co. (Brass; Iron; Enamel Beds; Woven Wire Mattresses; Cribs; Cots, etc.) B  
 Metal Stamping Co. (Metal Folding Chairs) .....C  
 Miller & Co., John (Dining; Office; Library Chairs) B  
 Mohr & Co., F. (Upholstered Parlor; Library Furn.; Gold; Mahogany Cabinets; Tables; Library; Dining-room Suits Complete) .....A  
 Nathan & Co., P. (Parlor Suits; Couches) .....B  
 New York Couch Bed Co. (Couch Beds; Mattresses) B  
 New York Woven Wire Mattress Co. (Woven Wire Springs; Institution Beds; Divans; Upholstered; Woven Wire Cots) .....C  
 Ostermoor & Co. (Metal Bedsteads) .....B  
 Palmer & Embury Mfg. Co. (Parlor; Library Sofas; Chairs; Tables; Tabourettes; Pedestals) .....A  
 Pomroy & Gambell Co. (Bed Springs) .....B  
 Pottier & Stymsus Co. (Fine Furn. and Upholstery to Order) .....A  
 Preiser & Co., J. (Parlor Suits; Couches; Lounges; Odd Pieces; Leather Chairs) .....C  
 Rogers & Co., Chas. P. (Brass; Iron Bedsteads; Spring Beds) .....A  
 Rotner & Co., H. (Bamboo Furn.) .....F  
 Sargent Co., Geo. F. (Adjustable Reading Desks) B  
 Schwarzwaelder Co., Wm. (Office) .....X  
 Sellow, T. G. (Office; Roll Top Desks) .....B  
 Steinfeld Bros. (Lawn Furn.; Swings; Furn. Specialties) .....C  
 Strobel & Sons, Philip (Chairs; Sideboards; Tables) .....B  
 Thonet Bros. (Bent Wood Chairs; Settees; Tables; Costumers, etc.) .....AAAA  
 Tonk & Co. (Piano Stools) C  
**N. Y.—Phoenix**  
 Sinclair Chair Co. (High Grade Folding Chairs) ..F  
**N. Y.—Poughkeepsie**  
 Kaal Rock Chair Co. (Medium; High Grade Box Seat Dining; Library; Office Chairs in Cane; Leather) .....E  
 Poughkeepsie Chair Co. (Box Seat Dining; Typewriting Chairs; Store Stools; Special Chairs to Order) D  
**N. Y.—Rochester**  
 Archer Mfg. Co., Geo. W. (Piano Stools; Barber; Physicians' Chairs) ....B  
 Barnard-Simonds Co. (Inc.) (Chairs) .....C  
 Brooks, Edw. (Ladies' Desks; Bookcases) .....C  
 Copeland & Durgin Co. (Extension Tables; Ladies' Desks; Combination; Bookcases; Dressers; Chiffoniers) .....B  
 Halstrick, Anthony (Church Furn.) .....E  
 Hubbard & Eldredge Co. (Fancy Chairs; Rockers) B  
 Langslow-Fowler Co. (Morris; Hall; Reception Chairs; Fancy Rockers; Mission Furn.; Den Settees; Tete-a-tetes, etc.) ..B  
 Miller Cabinet Co. (Parlor; Library Tables; Hall



- FURNITURE (Con.)**  
 Seats; Hanging Glasses;  
 Hall Racks; Pedestals;  
 Tabourettes; Stands)....C  
 Rochester Hassock Co. (Has-  
 socks).....F  
 Straussman & Co., H. M.  
 (Parlor; Library Suits;  
 Davenport; Leather  
 Chairs; Divans; Fancy  
 Chairs; Lodge Furn.)...A  
 Vetter Desk Wks. (Desks;  
 Filing Cabinets).....A  
 Wegman, Wm. J. (Spring  
 Beds).....D  
 Yawman & Erbe Mfg. Co.  
 (Files; Cabinets; Card  
 Indexes; Commercial Re-  
 port; Credit Systems; Ver-  
 tical Filing Systems; Sec-  
 tional Filing Cabinets;  
 Devices).....AA  
**N. Y.—Rome**  
 Rome Metallic Medstead Co.  
 (Brass; Iron Beds; Cribs;  
 etc.).....A  
**N. Y.—Salamanca**  
 Salamanca Furn. Wks.  
 (Inc.) (Chiffoniers; Dress-  
 ers).....D  
**N. Y.—Shandaken**  
 Whitney, Hiram (Cane Seat;  
 Rocking Chairs).....C  
**N. Y.—Sherman**  
 Sherman Chair Co. (Wood  
 Seat Chairs).....E  
**N. Y.—Silver Creek**  
 Silver Creek Upholstering  
 Co. (Parlor Furn.;  
 Couches).....D  
**N. Y.—Syracuse**  
 Benson, Herbert H.  
 (Couches Dining Chairs;  
 Upholstered; Cobbler  
 Rockers; Children's Rock-  
 ers; Chairs).....C  
 Brown Furn. Co., C. G.  
 (China Cabinets; Book-  
 cases; Ladies' Desks;  
 Music Cabinets; Tabou-  
 rettes, etc.).....B  
 Butler Mfg. Co. (Parlor;  
 Music Cabinets; Curios;  
 Desks; Pedestals; Tea;  
 Card Nested Work; Par-  
 lor Tables; Screens; Hall  
 Clocks; Seats; Dining-  
 room; Bedroom; Library  
 Furn.).....A  
 Onondaga Novelty Co. (Fold-  
 ing Tables; Step Ladders;  
 Medicine Cabinets).....D  
 Perry, Asell D. (High  
 Grade Folding Chairs for  
 Church; Lodge Rooms;  
 Halls; Undertakers)....E  
 Simonds Co., Elgin A.  
 (Chairs; Rockers).....D  
 Wells Mfg. Co. A. J. (Letter  
 Filing; Sectional; Cata-  
 logue; Card Index Cab-  
 inets; Special Furn. to Or-  
 der).....C  
**N. Y.—Truxton**  
 Brvant Furn. Co. (Bedroom  
 Suits; Tables; Commodes;  
 Kitchen Cabinets).....C  
**N. Y.—Utica**  
 Foster Bros. Mfg. Co. (Inc.)  
 (Iron Bedsteads; Divans;  
 Mattresses; Spring Beds;  
 Cots; Cribs; Woven Wire  
 Mattresses).....B  
 Latimer & Adams (Adjust-  
 able Chairs; Sofas; Ad-  
 justable Bed; Box  
 Couchs; Odd Pieces)....D  
 Lortz, Teuscher & Co. (Cots;  
 Cribs; Woven Wire Mat-  
 tresses, etc.; also Hospi-  
 tal Beds; Antiseptic  
 Tables; Towel Racks)...G  
 Utica Couch & Mattress Co.  
 (Couches).....C  
**N. Y.—Waverly**  
 Hall & Lyon Furn. Co.  
 (Bedsteads; Dressing  
 Cases; Princess Dressers;  
 Chiffoniers; Ladies' Toilet  
 Tables; Washstands; in  
 Quartered Oak; Bird's-  
 eye Maple; Mahogany)...C  
 Merriam, F. W. (Woven
- FURNITURE (Con.)**  
 Wire Mattresses).....C  
**N. Y.—Wayland**  
 Gunlocke Chair Co. (The).  
 W. H. (Office; Morris;  
 Rustic; Lawn; Veranda  
 Chairs; Stools).....D  
**N. Y.—Wellsville**  
 Coats Mfg. Co. (Inc.) (Odd  
 Dressers; Folding Beds;  
 Chamber Suits).....C  
**N. Y.—West Camden**  
 Blount & Sprague (Chairs)  
 E  
**N. Y.—Westmoreland**  
 Hecla Reed Co. (Reed Rock-  
 ers; Chair Settees;  
 Couches; Book Racks;  
 Music Stands).....F  
**N. Y.—Whitesboro**  
 Quigley Furn. Co., The  
 (Office Furn.).....D  
**N. C.—Asheboro**  
 Asheboro Furn. Co. (Oak;  
 Poplar Chamber Suits;  
 Odd Dressers; Chiffoniers)  
 D  
 Randolph Chair Co. (Chairs;  
 Rockers).....D  
**N. C.—Carthage**  
 Carthage Furn. Co. (Cheap;  
 Medium Oak Chamber  
 Suits; Dressers; Bed-  
 steads; Commodes)....D  
**N. C.—Concord**  
 Yorke Furn. Co. (Suits;  
 Odd Dressers; Chiffon-  
 iers).....D  
**N. C.—Dunn**  
 South Dunn Mfg. Co. (Cham-  
 ber Suits; Odd Dressers;  
 Chiffoniers).....C  
**N. C.—Goldsboro**  
 Goldsboro Furn. Mfg. Co.  
 (Oak; Mahogany Suits;  
 Odd Dressers; Chiffon-  
 iers).....C  
**N. C.—Greensboro**  
 Gate City Furn. Mfg. Co.  
 (The) (Chamber Suits;  
 Odd Dressers; Chiffoniers)  
 O  
 Greensboro Furn. Mfg. Co.  
 (Chamber Suits; Dressers;  
 Chiffoniers).....C  
 Greensboro Table & Mantle  
 Co. (Extension; Centre;  
 Kitchen Tables).....D  
**N. C.—Hickory**  
 Hickory Furn. Co. (Suits;  
 Dressers).....D  
 Martin Furn. Co. (Side-  
 boards; Buffets).....D  
**N. C.—High Point**  
 Alma Furniture Co. (Sofas;  
 Tables).....C  
 Continental Furn. Co. (The)  
 (Chamber Suits; Chiffon-  
 iers; Buffets; Sideboards)  
 C  
 Eagle Furn. Co. (Inc.)  
 (Chamber Suits; Dressers)  
 C  
 Globe-Home Furn. Co. (The)  
 (Chamber Suits; Odd  
 Dressers; Chiffoniers)...A  
 Grand Rapids Furn. Co.  
 (Hall Racks).....B  
 High Point Furn. Co.  
 (Chamber Suits; Odd  
 Dressers).....A  
 High Point Mantel & Table  
 Co. (Tables; Hat Racks;  
 Kitchen Safes).....D  
 High Point Metallic Bed Co.  
 (Cheap; Medium Iron  
 Beds).....D  
 Lindsay Chair Co. (Inc.)  
 Cane; Cobbler Seat;  
 Diners; Rockers).....C  
 Myrtle Desk Co. (Roll; Flat  
 Top Desks).....D  
 Piedmont Table Co. (Exten-  
 sion; Library; Office;  
 Centre Tables).....D  
 Smith Furn. Co. (Side-  
 boards; Wardrobes)....D  
 Southern Chair Co. (Dining;  
 Office; Porch; Children's  
 Chairs; Nurse; Arm;  
 Porch Rockers).....D  
 Tate Furn. Co. (Chamber  
 Suits; Odd Dressers; Chif-

**FURNITURE (Con.)**

foniers in Oak; Imitation Mahogany) .....C  
 Tomlinson Chair Mfg. Co. (Chairs; Rockers; Cradles; Tables) .....B  
 Union Furn. Co. (Chamber Suits; Odd Dressers; Odd Beds; Washstands) ...D  
 Victor Chair Co. (Cane; Split Seat Cottage Chairs; Porch; Nurse Rockers; Children's Rockers; Table Chairs) .....D  
 Welch Furn. Co. (Chamber Suits; Mantel Folding Beds; Chiffoniers) .....D  
**N. C.—Kernersville**  
 Kernersville Furn. Mfg. Co. (Chamber Suits; Odd Dressers; Commodes) ..D  
**N. C.—Lenoir**  
 Harper Furn. Co. (Cheap; Medium Price Oak Chamber Suits; Odd Dressers; Commodes) .....A  
**N. C.—Lexington**  
 Elk Furniture Co. (Sideboards; Chamber Suits; Odd Dressers; Chiffoniers) .....C  
 Oneida Chair Co. (Chairs) .....D  
**N. C.—Marion**  
 Blue Ridge Furn. Co. (Suits; Chiffoniers; Beds) .....D  
 Catawba Furn. Co. (Suits; Sideboards) .....A  
**N. C.—Mebane**  
 White Furn. Co. (The) (Suits; Dressers; Centre; Library; Extension Tables) .....B  
**N. C.—Mocksville**  
 Mocksville Furn. Co. (Chamber Suits; Odd Dressers; Chiffoniers) .....C  
**N. C.—Mt. Airy**  
 Mt. Airy Furn. Co. (Cheap; Medium Chamber Suits; Odd Beds; Dressers) ...C  
 Mt. Airy Mantel & Table Co. (Extension; Centre Tables; Hall Racks) ...D  
 Surry Lounge Co. (Lounges; Couches; Davenport; Settees) .....D  
**N. C.—North Wilkesboro**  
 Oak Furn. Co. (Chiffoniers) .....D  
**N. C.—Oxford**  
 Oxford Furn. Co. (Oak Chamber Suits; Odd Dressers; Beds) .....C  
**N. C.—Rameur**  
 Alberta Chair Wks. (Chairs; Cheap Furn.) .....D  
**N. C.—Sanford**  
 Fitts-Crabtree Mfg. Co. Co. (Parlor; Library; Extension Tables; Beds; Washstands; Kitchen Safes; Cupboards; Tables) .....D  
**N. C.—Selma**  
 Selma Mfg. Co. (General Line) .....D  
**N. C.—Statesville**  
 Imperial Furn. Mfg. Co. (Sideboards; Hall Racks) .....C  
 Key Furn. Co. (Odd Dressers; Suits; Chiffoniers) .D  
 Kincaid Furn. Co. (Bedroom Suits; Odd Pieces; Chiffoniers; Chevals) .....D  
 Statesville Furn. Co. (Bedroom Suits; Odd Dressers) .....D  
**N. C.—Thomasville**  
 Cates Chair Co. (Caned Seat Dinners; Rockers) .....D  
 Climax Chair Co. (Chairs) E  
 Cramer Furn. Co. (Open Cane; Cobbler Seat; Turned Post Dinners; Box Seat Dinners; Arm; Office Chairs; Cobbler; Bent Arm Open Cane Seat Rockers) .....D  
**N. C.—Warrenton**  
 Warrenton Furn. Co. (Chairs) .....D

**FURNITURE (Con.)**

**N. C.—Winston-Salem**  
 Forayth Iron Bed Co. (Iron; Brass Beds) .....D  
 Oakland Mfg. Co. (Bedroom Suits; Odd Dressers; Chiffoniers; Sideboards) D  
 Winston Furn. Co. (Roll; Flat Top Desks) .....D  
**OHIO—Aashland**  
 Kauffman Mfg. Co. (The) Woven Wire Mattresses; Cots; Cribs; Folding Tables; Chairs; Iron Beds; Spring Beds, etc.) .....B  
**OHIO—Athens**  
 Hudson School Furn. Co. (School Furn.) .....B  
**OHIO—Bellefontaine**  
 Elliott, A. C. (Church; Office; Hall; Lodge; School; Opera Furn.; Chairs; Hall; Lodge Settees; Church Pews; Pulpits) ..X  
**OHIO—Encyrus**  
 Roehr Co. (The), Chas. (School; Office Furn; Mantels) .....C  
 Berger Mfg. Co. (The) (Steel Tables; Desks; Counters; Card Index Cases; Vertical Filing Cabinets; Document Files; Roller Shelves; Bookcases; Library Shelves; Stacks) .....A  
 Danner Mfg. Co. (The), John (Sectional; Revolving Bookcases; Medicine Cabinets; Store Stools) .C  
**OHIO—Chillicothe**  
 Arbenz Furn. Co. (Sideboards; Buffets; Chiffoniers; Dressers in Oak and Mahogany) .....D  
**OHIO—Cincinnati**  
 Becker & Co., Wm. (Sideboards; China Cases; Extension Tables; Buffets; Chairs) .....C  
 Betts Street Furn. Co. (The) (Mantel Folding Beds; Cradles; Cribs) .....C  
 Cinn. Chair Co. (Chairs; Rockers; Furn.; Mantels) .....D  
 Cinn. Mattress & Spring Co. (Woven Wire Bed Springs, etc.) .....D  
 Cinn. Seating Co., 6th & Vine Sts., (Church; Opera; School) .....C  
 Closterman, Henry (Chairs; Centre Tables; Hat Racks; Parlor Furn.) .AAA  
 Dietz & Co., J. F. (Office Desks) .....A  
 Dornette & Bro. Co. (The) J. (Office Desks) .....B  
 Globe-Wernicke Co. (Sectional Bookcases; Filing Appliances; Desks; Office Furn.) .....AAAA  
 Kalpers' Sons, Charles (Up-holstered Furn.) .....A  
 Kelsall Co., Thos. (Library; Office; Teachers' Desks) .....B  
 Lubke's Sons, Fred. (Cane Seat Chairs) .....E  
 Luck, A., 1019 Main (Divans) .....D  
 National Carriage & Reed Co. (Reed; Rattan Chairs; Furn.; Screens; Easels; Novelties; Bamboo Goods; Cane; Cobbler Seat (Oak Chairs) .....A  
 Newman-Kuhn Mfg. Co. Brass; Iron Bedsteads .C  
 Onken Co. (The), Oscar, (Hall Clocks; Cellarettes; Ladies' Desks; Sewing Tables; Pedestals; Tabourettes; Cheval Mirrors, etc.) .....B  
 Renesch & Co., A. (Fall Racks; Settees; Hanging Racks; Cheval Mirrors; Dressing Tables) ....B  
 Schmidt & Co., Henry (Up-holstered Furn.; Church; Lodge Work) .....C  
 Sextro Mfg. Co. (Fall

**FURNITURE (Con.)**

Furn.; Extension Tables) C

Standard Furn. Co. (The) C

(Chairs) .....C

Steinman &amp; Meyer Furn. Co. (Sideboards; Extension Tables) .....B

Stille &amp; Duhlmeier Furn. Co. (The) (Bedroom Suits; Wardrobes; Chiffoniers; Dressing Tables) .....B

Streit Mfg. Co., C. F. (Morris Chairs; Davenport Sofa Beds) .....C

**OHIO—Cleveland**

Cleveland Brass &amp; Iron Bedstead Co. (The) (Brass; Malleable Iron; Steel Enamelled Children's and Other Bedsteads; Springs; Cribs) .....B

Forest City Bedstead Co. (Brass; Malleable Iron; Brass Trimmed Bedsteads) .....AA

Janssen &amp; Loeblein (Upholstered Furn.; Couches; Parlor Suits; Morris Chairs; Leather Work) ..B

Marble &amp; Shattuck Chair Co. (The) (Dining; Office; Cafe; Chamber; Fancy Chairs; Rockers) .....B

Ohio Spring Bed Co. (Woven Wire Mattresses; Wire Fabrics; Wire Beds; Couch and Lounge Bottoms; Cribs; Cots) .....A

Sheier Furn. Co., D. L. (Parlor Suits; Turkish Leather Rockers; Couches) .....C

Schulte Furn. Co. (The) (Parlor Furn.; Couches; Odd Pieces; Davenports; Turkish Chairs; Leather Work) .....C

Standard Metal Bedstead Co. (Iron Bedsteads; Cribs) .....E

**OHIO—Columbus**

Holtzman &amp; Sons, Henry (Piano Stools) .....A

Lilly Co., M. C. (Church; Lodge Furn.) .....AAAA

Sun Mfg. Co. (Lawn Furn. Chairs; Cots; &amp;.) .....A

**OHIO—Dayton**

Burkhardt Furn. Co. (The) (Parlor; Library Tables; Pedestals; Tabourettes; School Desks) .....C

Dayton Table Slide Co. (The) (Extension Table Slides; Dowels; Leaf Supports) .....C

Huler &amp; Co., E. M. (Couches; Lounges) .....D

Ohio Rake Co. (School; Teachers' Desks) .....AA

Ohmer's Sons Co. (The) ... (Bank; Office Furn.; Fixtures; Special Furn. of all kinds; Sectional Sliding Door Bookcases; Filing Devices of all kinds) ..A

Stengel &amp; Co., John (Chamber Suits; Sideboards; Buffets; Chiffoniers; Ladies' Dressing Tables) ..B

Stomps-Burkhardt Co. (The) (Chairs) .....AA

**OHIO—Defiance**

Geiger Furn. Co. (Beds; Cupboards; Cabinets; Wardrobes) .....D

**OHIO—Eaton**

Ohio Iron &amp; Brass Bed Co. (The) (Inc.) (Iron; Brass Bedsteads) .....B

**OHIO—Findlay**

Findlay Table Mfg. Co. (The) (Extension Tables) D

**OHIO—Gallipolis**

Gallipolis Chair Co. (The) (Opera Cane; Cobbler Seats; Chairs; Rockers; Box Seat Diners) .....E

Gallipolis Furn. Co. (The) (Chiffoniers; Dressers; Washstands; Hotel Dressers) .....B

**FURNITURE (Con.)**

Ohio Valley Furn. Co. (Oak Chiffoniers; Dressers; Washstands; Hall Racks; Sideboards; Buffets; Mantel Beds) .....A

**OHIO—Harrison**

Cincinnati Seating Co. (Church; Hall; Opera; School Furn.) .....C

**OHIO—Hillsboro**

Globe Chair Co. (The) (Cane; Upholstered Chairs; Rockers) .....D

**OHIO—Logan**

Kesslers &amp; Sons, Frank (Chamber Suits; Wardrobes; Double Cupboards; Cupboard Safes) .....D

Snider Mfg. Co. (Bent Wood; Lumber; Chairs) ..C

**OHIO—Manchester**

Manchester Chair Co. (Ringing Chairs; Rockers) ...D

Manchester Furn. Co. (General Line of Cheap Furn.) A

Ohio Valley Furn. Co. (The) (Bedroom Suits; Odd Beds; Dressers; Stands; Safes; Tables) .....C

**OHIO—Marietta**

Darby Furn. Co. (The) (Pillar; Extension; Parlor; Library; Office Tables) ..C

Marietta Chair Co. (Cane; Leather Seat Dining Chairs; Rockers; Wood; Leather Seat Office; Library; Bedroom Chairs) ..A

**OHIO—Marysville**

Marysville Cabinet Co. (The) (Kitchen Cupboards; Cabinets; Tables; Special Cabinet Work; Bank; Store; Office Furn.) ....A

**OHIO—Massillon**

Ohio Table Co. (Extension Tables) .....C

**OHIO—New Bremen**

Klanke Furn. Co. (The) (Extension Tables; Wardrobes; Cupboards) .....C

**OHIO—New Richmond**

Fridman Seating Co. (The) (Church; Bank; Office; Counting House Furn.) ..F

**OHIO—Norwalk**

Stewart Co., G. S. (Curtain Poles; Wood Trimmings; Grilles; Screens; Fretwork; Decorated Furn.) A

**OHIO—Piqua**

Cron Co., The L. C. &amp; W. L. (Bedroom Suits; Odd Beds; Dressers) .....A

Cron, Kills &amp; Co. (Portable Wardrobes; Ladies' Portable Desks; Costumers) .....A

Fritsch-Parker Furn. Co., The (Extension Tables) ..E

**OHIO—Pomeroy**

Probst Furn. Co. (Chamber Suits; Sideboards; Buffets; Odd Dressers) ....D

**OHIO—Portsmouth**

Wait Furn. Co., The (Sideboards; Chiffoniers) ..A

**OHIO—Springfield**

Harris Mfg. Co., The (High Grade Leather Couches; Chairs; Davenports) ....C

**OHIO—Tiffin**

Kishler &amp; Son, F. D. (Chairs) .....F

Tiffin Mfg. Co., The (Church Furn.) .....D

**OHIO—Tipppecanoe City**

Tipp Building &amp; Mfg. Co. (Kitchen Cabinets; Tables; Ironing Tables) ..B

Tipp Furn. Co., The (Chamber Suits; Chiffoniers; Sideboards) .....C

**OHIO—Toledo**

Gendron Wheel Co. (Reed Furn.; Novelties; Invalids and Rolling Chairs) AAA

Toledo Furn. &amp; Mfg. Co. (Upholstered Furn.) ...A

Toledo Spring &amp; Mattress

**FURNITURE (Con.)**

Co. (Woven Wire Springs; Cots; Cribs; Single; Double Coil Springs; Sanitary Bed Springs) .....E  
 Toledo Upholstering Co. (Leather Goods; Parlor Suits; Davenport; Sofas; Odd Pieces; Sofa Beds) .B  
 Uhl Bros. Co., The (Art Steel Furn.; Chairs; Tables; Stools; Tabourettes; Piano Stools; Typewriter Chairs) .....E  
 Waldcutter & Kahlenberg (Chairs) .....C  
 Williams & Co. (Wood Seats; Cane Clobber; Saddle Seats; Upholstered Rockers) .....D  
 Yesbera Mfg. Co. (Store Stools; Combination Tables; Cloak Racks) .....A  
**OHIO—Urbana**  
 Barlow & Kent Co., The (Wardrobes; Extension Tables) .....B  
**OHIO—Wapakoneta**  
 Swink, Snyder & Co. (Extension Tables; Sofas, etc.) .....C  
**OHIO—Warren**  
 King Furniture Co. (Tables) .....C  
 Western Reserve Furn. Co. (Inc.) (Dressers; Chiffoniers; Fine Cabinet Ware) .....C  
**OHIO—Washington Court House**  
 Washington Mfg. Co. (Wood; Cane; Clobber Seat Chairs; Rockers; Morris Chairs; Stands; Odd Pieces) .....C  
**OHIO—West Farmington**  
 Miller Table Co. (Extension Tables) .....C  
**OHIO—Williamsburg**  
 White & Dillman (Chairs) D  
 Williamsburg Furn. Co. (Chairs) .....D  
**OHIO—Youngstown**  
 General Fireproofing Co. (Metallic Desks) .....AA  
 Heller Bros. Co. (General Line) .....C  
**OHIO—Zanesville**  
 Zanesville Mantel & Furn. Co., The (Sideboards; Dressers; Washstands; Chiffoniers) .....D  
**OREGON—Albany**  
 Veal & Son, R. (Chairs) ...D  
**OREGON—Baker City**  
 Queen City Furniture Co. (Couches) .....D  
**OREGON—Portland**  
 Doernbecher Mfg. Co. (Chamber Suits; Dressers; Bureaus) .....C  
 Oregon Furn. Mfg. Co. (Bedroom; Parlor Suits; Dressers; Kitchen Furn.; Flat Top Desks; Chiffoniers; Mattresses; Couches; Bed Lounges) .....B  
 Peters & Roberts Furn. Co. (Parlor Suits; Fancy Chairs; Lounges; Couches) D  
**PA.—Allegheny**  
 Amer. Baby Carriage Co. (Rattan Chairs; Rockers; Doll Cabinets) .....F  
 Gross & Hastings (Couches; Lounges; Davenport; Parlor Suits; Mattresses; Spring Beds; Bedding) .D  
 Hagmaler, John (Parlor Furn.; Couches; Lounges) D  
**PA.—Allentown**  
 Bear Furn. Co. (Parlor Tables; Hat Racks; Jardiniere; Hall Stands; Settees) .....C  
 Buehler & Co., G. (Parlor Furn. Frames) .....C  
 Dorney Furn. Co., C. A. (Sideboards) .....A  
 Johnston & Swartz (Parlor Frames in the White; ma-

**FURNITURE (Con.)**

ple; Mahogany) .....A  
 Kroll Furniture Co. (Ltd.) (Upholstered Parlor Novelties in Gold; Gilt; Mahogany) .....AAAA  
 Schneck & Sons, E. J. (Parlor; Library Tables; Hall Stands) .....D  
 Yeager Furn. Co., The (Parlor Furn.; Fancy; Easy Chairs; Gold; Gilt Parlor Pieces; Weathered Oak Den Furn.) .....B  
**PA.—Athens**  
 Athens Furn. Co. (Chamber Suits; Chiffoniers; Sideboards) .....B  
**PA.—Brookville**  
 Deemer Furn. Co., A. D. (Suits; Wood Beds; Kitchen Tables; Cupboards; Sinks) .....C  
**PA.—Chambersburg**  
 Sierier & Co. H. (China Closets; Bookcases; Dressing Tables; Hall Seats; Glasses; Tabourette; Special Order Cabinet Work) .....D  
**PA.—Chester**  
 New Farson Mfg. Co., The (China Cabinets; Bookcases; Music Cabinets) .D  
**PA.—Conneautville**  
 Penn. Furn. Co. (Extension; Centre & Kitchen Tables) D  
**PA.—Corry**  
 Bonnell & Lambing (Spring; Beds; Cots; Cribs) .....D  
 Corry Chair Co. (Wood Seat Chairs; Clobber Seat; Upholstered Rockers) .....C  
**PA.—Erie**  
 Erie City Carriage Wks. (Reed Chairs, etc.) ....C  
**PA.—Hallstead**  
 Amer. Chair Mfg. Co. (Fancy Rockers; Chairs; Settees) .....B  
**PA.—Hanover**  
 Grandall-Long Furn. Co. (Ltd.) (Extension Tables) D  
**PA.—Harrisburg**  
 Boll Bros. Mfg. Co. (Brass; Iron; Hospital Beds; Costumers; Mattresses; Box; Wire and Coil Springs; Cots; Pillows; Bolsters; Cribs) .....A  
**PA.—Hughesville**  
 Hughesville Furn. Co. (Sideboards; Buffets) .....B  
**PA.—Johnstown**  
 De Frehn & Sons, W. (Chairs; Rockers) .....C  
**PA.—Kane**  
 Chatauqua Desk Co. (Roll; Flat Top; Typewriter Desks; Letter Press Stands) .....D  
**PA.—Lewisburg**  
 Lewisburg Chair Co. (Chairs; Rockers; Tables; Office Chairs) .....E  
**PA.—Lock Haven**  
 Clinton Furn. Co. (Chamber Suits) .....C  
**PA.—Milton**  
 West Branch Novelty Co. (Bamboo Furn. Tabourettes; Cheap Ladies' Desks) .....B  
**PA.—Montgomery**  
 Hellman Couch Co. (Inc.) The (Couches) .....E  
 Montgomery Table Wks. (Tables; Desks) .....B  
 Penn. Furn. Mfg. Co. (Sideboards; Buffets) .....B  
**PA.—Montoursville**  
 Woolever Bros. (Extension Tables) .....D  
**PA.—Mt. Union**  
 Moudy Mfg. Co., The Wm. H. (Wood Seat Chairs; Rockers) .....C  
**PA.—Muncy**  
 Muncy Mfg. Co. (Chamber Suits; Chiffoniers; Sideboards) .....D

# FURNITURE (Con.)

## PA.—Oil City

Kramer & Son, W. J. (Extension; Kitchen Tables) D

## PA.—Philadelphia

Behrend, Jacob (Costumers or Clothes Trees; Commodes; Sanitary; Hanging Cabinets; Hanging Hat Racks; Plate; Stein Racks; Umbrella Stands; Mirrors in Oak; Gilt Frames) .....C

Bernstein Mfg. Co. (Brass; Iron Bedsteads; Aseptic Hospital Furn.) .....A

Bodenstein & Knemmerle (Chamber; Dining; Office; Odd Chairs; Fancy Rockers) .....A

Bunting, J. R. (Mattresses; Springs; Enamel Beds) .....B

Burt Bros. (Chamber Suits; Sideboards; Chiffoniers; Dressing Tables; Odd Bureaus; Washstands) .....B

Clark & Co., Thos. (Cylinder; Office Desks) .....D

Goff, R. W. P. (China Cabinets; Side Tables; Music; Parlor Pedestals; Library Tables; Hall Stands; Seats; Glasses) B

Hale & Kilburn Mfg. Co., (Telescope Parlor Beds; Convertible Sofas; Portable Reservoir Wash Stands; Polished Hardwood Odorless Commodes) AAAAA

Harrington, Howard E. Church; Lodge Furn.; Sofa Beds) .....F

Knell, W. W. & H. H. (Parlor and Library Suits; Davenport; Couches; Easy Chairs; Odd Pieces) C

Knoell & Sons, John, (Parlor; Shakespeare Tables; Commodes; Costumers) .....A

Knowlton & Co. (Chairs) O

Kraan Furn. Co., Henry (Chamber Suits; Chiffoniers; Dressing Tables) O

Lincoln Furn. Co. (Bedroom Furn.; Bookcases; Chevals; Wardrobes; Nightstands; Center Tables) .....B

McCracken & Hall (China Closets) .....B

McElroy - Shannon Spring Bed Mfg. Co. (Spiral Spring Beds) .....A

Phila. Baby Carriage Factory (Invalid; Reclining Chairs) .....B

Phila. Metallic Bed Co. (Brass; Iron Beds; Woven Wire Springs; Cots; Cribs; Metal Couches) .....D

Quaker City Metallic Bedstead Co. (Brass and Iron Bedsteads; Woven Wire Spring Mattresses; Institution Beds) .....O

Rawson Mfg. Co., The (Spring Beds; Woven Wire Mattresses; Cots; Cribs; Cradles; Brass; Enameled Beds. Adjustable Bedsteads; Step-Ladder Chairs; Tables; Clothes Trees) .....O

Rossell Bros. & Co. (Chairs) O

Schwartz, C. E. (Upholstered Furn.; Parlor Suits; Couches; Easy Chairs; Library Suits in leather & fabrics) .....C

Sikes Co., The (Morris; Office; Rocking; Cane & Leather Dining Chairs; C

Smith & Co., Geo. W. (Divans) .....A

# FURNITURE (Con.)

## PA.—Picture Rocks

Burrow Bros. & Co. (Ltd.) (Chamber Suits; Sideboards) .....B

## PA.—Pittsburg

Stevens Chair Co. (Fold'g; Rolling Chairs) .....C

## PA.—Railroad

Helb & Sons, F., (Bedroom Suits; Sideboards; Chiffoniers; Odd Dressers, etc.) .....D

## PA.—St Marys

St. Marys Chair Co. (Library; Office Chairs, Rockers; Lawn Settees; Porch Rockers; Odd Fancy Rockers) .....C

## PA.—Shippensburg

Bober & Phillips (Sideboards; Chiffoniers) .....E

PA. South Williamsport .. Keystone Furniture Co. (Chamber Suits; Odd Dressers; Chiffoniers) A

PA.—Titusville Specialty Mfg. Co., The (Settees; Kitchen Tables) B

Titusville Elastic Chair Co. (Limited) (Upholstered and Dining Chairs Opera and Church Seats; Porch Chairs; Settees) .....D

## PA.—Towanda

Frost's Sons, J. O. (Oak Chamber Suits; Odd Dressers; Sideboards; Chiffoniers) .....A

## PA.—Union City

Keystone Chair Works (Wood Seat Chairs; Rockers) .....D

Novelty Wood W'ks. Co. (Inc.) (Desks; Bookcases; Music Cabinets; Chautauqua Drawing Boards; Book Racks; Shaving Stands) .....D

Penn Chair Co. (Wood Seat Chairs; Rockers) .....B

Standard Chair Co. (Wood; Cobbler Seat Chairs; Rockers) .....D

Union City Chair Co. (Wood Seat Chairs; Rockers) .....B

## PA.—Warren

Conewango Furniture Co. (Odd; Princess Dressers; Chiffoniers; Commodes) C

Phoenix Furn. Co. (Chiffoniers; Dressers; Dressing Tables) .....C

Warren Chair Works (Patent Wood Seat; Saddle Seat; Fine Upholstered Chairs; Rockers) .....A

Warren Table Works. (Homer Roll Top Extension & Dressing Tables; Dressers; Chiffoniers; Commodes; Beds) .....O

## PA.—Watsonstown

Watsonstown Table & Furniture Co. (Extension Tables) .....C

## PA.—Wilkes-Barre

Collins-Hale Mfg. Co. (Parlor Suits; Couches; Turkish; Easy Chairs; Rockers) .....O

## PA.—Williamsport

Culler Furn. Co. (Chamber Furn.; Chairs; Extension Tables; Chiffoniers; Cupboards; Iron Beds; Sideboards; Sinks; Stands, &c.) .....D

Dittmar Furn. Co. (Church Pews; Church Furn.; Special Woodwork) .....D

National Furn. Co. (Extension; Office; Café Tables) B

Rishel Furn. Co., J. K. (Chamber Furn.; Oak Extension Tables) .....B

Williamsport Furn. Co. (Chamber Furn.; Dressers; Chiffoniers; Dressing Tables; Sideboards) .....B

# FURNITURE (Con.)

## PA.—York

Jacoby & Bro., Adam (Sideboards in Oak; Dressers; Chiffoniers; Washstands in Plain & Quartered Oak; Birds'-Eye Maple; Mahogany; Curly Birch) .....D

R. I.—Pawtucket Bliss Mfg. Co., R. (School Desks) .....AAAA

R. I.—Providence Brady, James Wm. (Couches) .....D

S. C.—Abbeville Abbeville Furn. Factory (Plain; Quartered Oak Bedroom Suits; Odd Dressers; Chiffoniers) .....D

S. C.—Anderson Anderson Mattress & Spring Bed Co. (Spring Beds) ..D

S. C.—Oheraw Pee Dee Chair Co. (Chairs; Chair Stock) .....D

S. C.—Laurens Laurens Furn. Mfg. Co. (Bedroom Suits; Chiffoniers; Odd Dressers; Beds) .....D

TENN.—Baxter Putnam Mfg. Co. (Bedroom Suits; Chiffoniers; Sideboards; Tables; Odd Dressers; Washstands) .....B

TENN.—Bristol Ordway Mfg. Co. (Chairs; Chair Stock; Lumber) ..B

*We have spent a short life time in making Bentwood Chairs. We challenge the world to make Bentwood Base-Rocking Chairs equal to ours and sell them at so low a price. Positively no glue joints. Artistically designed in both reed and leather*

*We make genuine twisted (not turned) woods for Balustrades, Palace Car and House-finish material, Table legs, Office fixtures, Bedstead material, and bent stock for all purposes.*

*We are in the "Heart" of the Oak and Hickory district of the south. Low priced labor and material. \$125,000 plant.*

*Let us know your wants.*

## TENN.—Chattanooga

Acme Kitchen Furn. Co. (Mantel Beds; Separate Dressers; Chiffoniers; Wardrobes; Combination Cases; Kitchen Cabinets; Safes; Cupboards; Kitchen Tables, etc.) .....C

Carlin Furn. & Mfg. Co. (Cottage Chairs) .....F

Chattanooga Furn. Co. (Extension; Library; Office and Parlor Tables; Hall Racks; Settees; Hanging Mirrors) .....C

Heron Iron Bedstead Co. (Iron Bedstead) .....E

Lomis & Hart Mfg. Co. (Bedroom Suits; Wardrobes; Sideboards; Dressers; Washstands; Tables) .....A

Wight Mfg. Co., The (Bed Springs; Cots; Couch Tops; Couches) .....E

TENN.—Cleveland Milne, W. S. (Cane Seat Chairs; Rockers) .....D

TENN.—Elizabethton Empire Chair Co. (Chairs; Rockers) .....D

TENN.—Jackson Southern Seating & Cabinet Co. (Church Pews; School Desks, etc.) .....D

# FURNITURE (Con.)

## TENN.—Johnson City

Exum Furn. Co. (Oak Bedroom Suits; Chiffoniers) .....D

TENN.—Knoxville Knoxville Rubber Tire Knoxville Table & Chair Co. (Centre Tables; Chairs) C Schaad & Rotach (Oak Chamber Suits; Odd Beds; Extension Tables) .....D Utica Cabinet Co. (Roll; Flat Top Desks; Excelsior) C

TENN.—Loudon Loudon Furn. Co. (Extension Tables) .....D

TENN.—Memphis Memphis Furn. Mfg. Co. (Cheap Bed Suits; Extension Tables; Wardrobes; Safes; Glass Door Cupboards, etc.) .....B Rose & Co., J. (Spring Beds; Woven Wire Mattresses; Cots; Cribs) ...B Tennessee Furn. Mfg. Co. (General line) .....C

TENN.—Nashville Montgomery Furn. & Mfg. Co. (Chamber Suits; Tables; Safes; Wardrobes; Springs) .....C Nashville Chair & Carriage Co. (Battan; Reed Furn.) F

TENN.—Newcomb Newcomb Mfg. Co. (Bedroom Suits; Tables; Cupboards; Kitchen Sofas) C

TENN.—Tullohoma Parker-Battle-Talbot Mfg. Co. (Kitchen Safes; Beds; Bureaus; Washstands; Bank and Office Furn.) ..D

TEXAS.—Dallas Olive & Myers Mfg. Co. (Couches; Lounges; Mattresses; Spring Beds; Cots) .....A

TEXAS.—Texarkana Southern Furn. Co. (Suits; Odd Beds; Dressers; Extension; Kitchen and Parlor Tables; Chiffoniers; Sideboards; Bookcases; China Closets; Wardrobes) ..C

TEXAS.—Waco Dennis Mfg. Co. (Cots) ..D

VT.—Barton Percival Furn. Co. (Hygienic Couches; Adjustable Divans; Couches; Morris Chairs) .....E

VT.—Beecher Falls Beecher Falls Co. (Birch Chamber Suits; Chiffoniers; Ladies' Desks; Dressing Tables; Odd Dressers; Mahoganized; Golden Birch) .....A

*Our specialty is Birch Chamber Furniture and Ladies' Writing Desks in Curly Birch. Mahoganized Birch or Mahogany Veneer. Situated as we are in the heart of a Birch country with every facility for manufacturing goods, we are in a position to quote you prices that will interest you. Would be pleased to have your application for cuts and prices.*

VT.—Battleboro Smith & Co., S. A. (School Desks) .....AAA

VT.—Burlington Champlain Mfg. Co. (Chairs) .....B

VT.—Ludlow Fullam & Sons Co., L. G. (Porch; Saddle Seat; Rockers; Dining Chairs) D

VT.—North Bennington Cushman Mfg. Co., H. T. (Decorative; Mission Furn.; Costumers; Clocks) C

**FURNITURE. (Con.)**

**VT.—Pompanoosuc**  
Patterson, L. S. (Cane;  
Wood Seat; Reed Chairs) E

**VT.—Randolph**  
Saliabury Bros. Furn. Co.  
(Oak; Mission; Colonial  
Furn.; K. D. Dressers for  
Export) ..... B

**VT.—Readsboro**  
Readsboro Chair Mfg. Co.  
(Opera; Fold'g; Steamer  
Chairs; Lawn; Park Set-  
tees; Fold'g Card and  
Lunch Tables; Church and  
Lodge Furn.) ..... D

**VT.—Richford**  
Richford Mfg. Co. (Inc.)  
(Chamber Furn.; Odd Bu-  
reaux; Chiffoniers; Case  
Work) ..... D

**Sweet Comings Co. (Inc.)**  
(Chamber Suits; Dressers;  
Chiffoniers) ..... B

**VT.—St. Albans**  
St. Albans Furn. Co. (Chif-  
foniers; Bookcases; La-  
dies' Desks; Fold'g Ta-  
bles; Church Pews) ... B

**VA.—Basic**  
Basic Furniture Co. (Cham-  
ber Suits; Sideboards;  
Chiffoniers) ..... D

**VA.—Bassett**  
Bassett Furn. Co. (Cham-  
ber Suits; Bedsteads) .. D

**VA.—Chase City**  
Virginia Furn. Co. (Cham-  
ber Suits; Odd Dressers;  
Chiffoniers) ..... D

**VA.—Danville**  
Boatwright Furn. Mfg. Co.  
(Sideboards; Buffets) . C

**Noell Mfg. Co., (Inc.) J. R.**  
(Desks; Extension; Cen-  
tre; Parlor; Saloon; Kit-  
chen Tables) ..... D

**VA.—Manchester**  
James River Furn. & Mat-  
tress Co., (Couches; Sofas;  
Single; Bed Lounges, in  
Velour, Imitation & Gen-  
uine Leather) ..... B

**Manchester Furn. Co.**  
(Wardrobes; Cupboards;  
Safes) ..... D

**VA.—Martinsville**  
Martinsville Mfg. Co. (Cen-  
tre Tables) ..... D

**VA.—Port Norfolk**  
Air Line Mfg. Co. (Library;  
Kitchen Drop Leaf; Centre;  
Extension Dining Tables) O

**VA.—Richmond**  
James River Furn. Co.  
(Couches; Sofas; Single;  
Bed Lounges, in Velour;  
Imitation; Genuine Lea-  
ther) ..... B

**Toler & Sons (Bedroom**  
Suits; Sideboards; Ex-  
tension Tables; Tables;  
Wardrobes) ..... D

**VA.—Wakefield**  
Wakefield Mfg. Co. (Bed-  
room Suits) ..... D

**VA.—Waynesboro**  
Alexander & Bro., C. W.  
(Church Furn.; Store Fix-  
tures; Bank Counters;  
Mantels; General Furn.) D

**Lambert Bros. (Suits; Odd**  
Dressers; Beds; Wash-  
stands; Tables; Com-  
modes; Sofas) ..... D

**VA.—Winchester**  
Kurtz, Geo. W. (Tables;  
Sideboards) ..... D

**WASH.—Seattle**  
Carman Mfg. Co. (Mattress-  
es; Bedroom Suits;  
Tables; Cupboards; Safes;  
Chiffoniers; Beds; Exten-  
sion Tables; Woven Wire  
Mattresses; Cots; Cribs,  
etc.) ..... A

**Washington Mattress &**  
Furn. Co. (Woven Wire  
Mattresses; Cots) ..... D

**WASH.—Tacoma**  
Carman Mfg. Co. (Bedroom

**FURNITURE (Con.)**

Suits; Tables; Cupboards;  
Safes; Chiffoniers; Beds;  
Extension Tables; Woven  
Wire Mattresses; Cots;  
Cribs, etc.) ..... A

**Metal Bedstead Co. (Iron;**  
Institution Beds; Cribs) O

**W. VA.—Charleston**  
Morgan, J. & J. S. (Beds;  
Safes; Stands; Kitchen;  
Extension Tables; Store;  
Office Fixtures) ..... C

**W. VA.—Keyser**  
Richardson Furn. Co. (Cham-  
ber Suits; Sofas; Cup-  
boards; Sideboards) .... C

**W. VA.—Moundsville**  
National Bed Co. (Iron  
Beds) ..... C

**W. VA.—Parkersburg**  
Bentley & Gerwig Furn. Co.  
(Office Desks; Wardrobes)  
A

**Parkersburg Chair Co., The**  
(Wood; Cane; Cobbler;  
Upholstered Chairs; Rock-  
ers) ..... C

**WIS.—Algoma**  
Ahnapee Furn. Co. (Cham-  
ber Suits; Odd Dressers;  
Commodities) ..... C

**WIS.—Appleton**  
Appleton Chair Co. (Chairs)  
O

**WIS.—Brooklyn**  
Capitol Chair Co. (Chairs;  
Desks; Extension Tables)  
O

**WIS.—Eau Claire**  
Pioneer Furn. Co. (Cham-  
ber Suits; Chiffoniers;  
Sideboards) ..... B

**WIS.—Fond du Lac**  
Bowen Mfg. Co. (Desks) B

**Winnebago Furn. Mfg. Co.**  
(Chamber Suits; Side-  
boards; Chiffoniers; Odd  
Dressers; Office Desks;  
Cheap Beds) ..... A

**WIS.—Grand Rapids**  
Oberbeck Bros. Mfg. Co.  
(Sideboards; Buffets;  
Chiffoniers; Dressers;  
Chamber Suits) ..... C

**WIS.—Green Bay**  
Automatic File & Index Co.  
(The Automatic Letter  
Filing Cabinet; Sectional  
Bookcases) ..... E

**Kennitz Furn. Co., Theo.**  
(Chamber Suits; Odd  
Dressers) ..... B

**WIS.—Janesville**  
Choate-Hollister Furn. Co.  
(Extension Tables) ..... C

**Hanson Furn. Co. (Dining;**  
Parlor; Library Tables) D

**WIS.—Jefferson**  
Wisconsin Mfg. Co. (Wood;  
Cane; Veneer Seat Dining  
Chairs; Wood; Cane; Ve-  
neer Cobbler; Upholstered  
Spring Seat Floor; Swing  
Rockers) ..... C

**WIS.—Juneau**  
Peters' Furn. Mfg. Co. (Ex-  
tension; Common; Centre  
Tables; Bedsteads; Suits;  
Washstands) ..... C

**WIS.—Kenosha**  
Kenosha Crib Co. (Parlor;  
Library Tables; Jardiniere  
Stands; Tabourettes;  
Cribs; Cradles; Beds) C

**Simmons Mfg. Co. (Canvas**  
Cots) ..... AAA

**WIS.—Kiel**  
Kiel Mfg. Co. (Dining; Li-  
brary; Parlor; Kitchen  
Tables) ..... D

**WIS.—La Crosse**  
Hackner, E. (Church Furn.;  
Altars; Pulpits; Railings;  
Reading Tables; Pews,  
etc.; Statues) ..... E

**Tillman Bros. (Wardrobes;**  
Cupboards; Kitchen Safes) O

**WIS.—Marshallfield**  
Upham Mfg. Co. (Bedroom  
Sets; Sideboards; Chiffo-  
niers; Buffets; French  
Dressers) ..... A

**FURNITURE (Con.)**

**WIS.—Milwaukee**  
 Berger Bedding Co. (Spring Beds) .....A  
 Bub Co., Jos. (Parlor Furn.; Divans) .....D  
 Cream City Woven Wire Wks. (Spring Beds; Cots; Cradles; Cribs) .....A  
 George & Heyer (Parlor Furn.; Couches) .....B  
 Hennecke Co., C. (Statuary; Busts; Metal Armor, etc.) .....B  
 Kipp Co., B. A. (Upholstered Furn.) .....C  
 Mayhew Mfg. Co. (Fine Upholstered Furn.; Chairs; Rockers; Mission Furn.; Trays; Tables, etc.) .....C  
 Meinecke & Son, A. (Willow Veranda Chairs; Settees; Toy Desks; Furn. Novelties in Bamboo; Punjab) A  
 Milwaukee Chair Co. (Wood Seat Chairs) .....A  
 Northwestern Furn. Co. (Desks; Office; Store Furn.; Bank Fixtures; Interior Cabinet Woodwork) B  
 Preuss Co., R. J., (Spring Beds; Cots; Cribs) .....C  
 Western Hdw. & Mfg. Co. (Brass; Iron Bedsteads) A  
 Wisconsin Furn. Co. (Extension; Breakfast; Kitchen; Library; Office; Saloon; Parlor Tables) .....C  
 Wollaefer Mfg. Co. (Bank; Office Fixtures; Interior Cabinet Work from Special Design) .....A  
**WIS.—North Milwaukee**  
 Schneider Furn. Co. (Extension Tables) .....E  
**WIS.—Oshkosh**  
 Banderob-Chase Co. (Suits; Chiffoniers; Dressing Tables) .....B  
 Buckstaff-Edwards Co., The (Chairs) .....A  
 Schram & Sons, A. W. (Patent Rockers) .....C  
**WIS.—Plymouth**  
 Plymouth Furn. Co. (Chamber Suits; Odd Dressers; Chiffoniers; Sideboards) B  
**WIS.—Port Washington**  
 Wisconsin Chair Co. (Rockers; Dining Chairs) ....A  
**WIS.—Racine**  
 Gold Medal Camp Furn. Mfg. Co. (Fold'g Camp Beds; Cots; Chairs; Stools; Tables; Settees) .....B  
**WIS.—Sheboygan**  
 Amer. Folding Bed Co. (Folding Beds) .....B  
 Amer. Mfg. Co. (Chairs; Fancy Rockers) .....D  
 Crocker Chair Co. (Wood; Cane; Leather Seat Chairs) .....AAAA  
 Dillingham Mfg. Co. (Furn. Specialties) .....B  
 Frost's Veneer Seating Co. (Built Up Veneered Woods; Depot Seating; Settees; Car Ceilings; Panels) .....A  
 Mueller Lumber Mfg. Co., H. G. (Centre; Library; Fold'g Tables; Wooden Ware Novelties) .....C  
 Northern Furniture Co. (Chamber Suits; Dressers; Chiffoniers; Buffets; Sideboards; Dining Tables; China Closets) .....A  
 Phoenix Chair Co. (Chairs; Rockers; Lawn Gds.; Children's Cradles) ..AA  
 Preussler & Sons, R. (Combination Bookcases; Desks) .....D  
 Richardson Bros. (Chairs) A  
 Sheboygan Chair Co. (Staple Chairs; Rockers) .....A  
 Sheboygan Novelty Co. (Book; Combination Cases; Ladies' Desks; Music Cabinets) .....C  
 Sheboygan Parlor Furn. Co.

**FURNITURE (Con.)**

(Couches) .....B  
 Spratt & Co., Geo. (Dining; Rocking; Cane; Wood Seat; Upholstered Chairs; Rockers; Children's Chairs; Rockers) .....C  
 Winter Lumber Co. M. (General Store; Bank; Drug; Jewelry Store; Office Fixtures; Desk; Show Cases; Kitchen Cabinets) .....B  
**WIS.—South Superior**  
 Webster Mfg. Co. (Chairs) A  
**WIS.—Stevens Point**  
 Coye Furn. Co., The (Chamber Suits; Sideboards; Buffets; Chiffoniers) ..A  
**WIS.—Two Rivers**  
 American Cabinet Co., The (Furn. for Dentists; Physicians; Surgeons) AA  
 Hamilton Mfg. Co. (Office Desks) .....AA

**FURNITURE: DENTISTS**

**ILL.—Chicago**  
 Jessen & Rosberg, 405 W. Kinzie .....D  
 Kimball Dental Mfg. Co., 44 N. Clark .....E  
**N. Y.—Middletown**  
 Hamilton Mfg. Co. ....AA  
**N. Y.—Rochester**  
 Archer Mfg. Co. ....A  
 Ritter Dental Mfg. Co. ...B  
**OHIO—Canton**  
 Gould Co., A. P. ....D

**FURS**

**CAL.—San Francisco**  
 Alaska Commercial Co. ....AAAA  
 Kelly & Liebes .....B  
 Liebes & Co., H. (Inc.) AAA  
 North American Commercial Co. ....A  
 North Pacific Trading & Packing Co. ....B  
 Sloss & Co., Louis .....AAAA  
**ILL.—Chicago**  
 Glass, Samuel .....A  
 North American Transportation & Trading Co. ...B  
 Ziff & Sugarman .....C  
**MICH.—Detroit**  
 Miller & Co., Wm. H. ...A  
 Schmidt & Co., Carl E. ...AA  
 Schmidt, Traugott & Sons (Inc.) .....AA  
**MINN.—Minneapolis**  
 N. W. Hyde & Fur Co. ....C  
 McMillan Fur & Wool Co. ....X  
**MO.—St. Louis**  
 Bry & Bro. Cloak Co. ....A  
 Hartman Hide & Leather Co. ....A  
 Landau & Co., A. ....A  
 Sachs, Isaac .....AA  
 Singer Bros. ....A  
 Warner & Co., W. F. ....D  
 New York City  
 Asch & Jaekel .....A  
 Freystadt & Sons, J. ....B  
 Gunther's Sons, C. G. AAA  
 Markowitz, H. ....B  
**OHIO—Marietta**  
 Strecker Bros. ....A  
**WASH.—Bellingham**  
 Montague & McHugh ....B

**FUSE**

**CONN.—Simsbury**  
 Ensign, Bickford & Co. (Blasting; Safety) AAAA  
**ILL.—Aurora**  
 Vindex Electric Co. (Boxes) X  
**ILL.—Chicago**  
 Aetna Powder Co., Security Bldg. (Electric) .....AA  
 Amer. Electric Fuse Co., 50 W. Jackson Boul. (Wire) A  
 Electric Appliance Co., 92 W. Van Buren (Wire) B  
 Harvard Electric Co., 224 S. Clinton (Wire) .....D



## FUSE (Con..)

**ILL.—Percia**  
Acme Railway Signal Mfg.  
Co. (Railway Signal) ..E  
**IND.—Fort Wayne**  
Fort Wayne Electric Corpor-  
ation (Boxes) .....AAAA  
**IND.—Lafayette**  
Sterling Electric Co. (Wire)  
AA  
**IND.—Peru**  
Peru Electric Mfg. Co.  
(Cartridge) .....A  
**MASS.—Boston**  
Gilmore Electric Co.  
(Plugs) .....AA  
**N. J.—Jersey City**  
Williams & Son, E. A.  
(Wire) .....AA  
**N. J.—Newark**  
McIntire Co., C. (Electric  
Wire) .....D  
**New York City**  
Climax Fuse Co., 271 Bway.  
(Blasting; Safety; Water-  
proof) .....B  
Foote, Pierson & Co., 84  
Fulton (Wire) .....C  
Lafin & Rand Powder Co.,  
99 Cedar .....X  
Macbeth & Co., Jas (Elec-  
tric Platinum) .....D  
Metallic Cap Mfg. Co., 271  
Bway. (Blasting) .....A  
Rendrock Powder Co.  
(Blasting) .....B  
**N. Y.—Schenectady**  
General Electric Co. (Wire)  
AAAA  
**OHIO—Bucyrus**  
Columbia Fire Cracker Co.  
(Railway Signal) .....D  
**OHIO—Cincinnati**  
King Powder Co. ....AAA  
**OHIO—Festoria**  
Western Railway Signal Co.  
(Railway Signal) .....B  
**PA.—Allegheny**  
Granite Railway Signal Co.  
(Railway Signal) .....B  
**R. I.—Providence**  
Amer. Electrical Wks.  
(Wire) .....AAAA

## FUSTIC

**CONN.—Hartford**  
Beach & Co. (Ground) AAA  
**New York City**  
Stamford Mfg. Co., 82  
Wall (Cut; Extract) AAAA  
Suzarte & Whitney, 18  
State St. (Imp.) .....A

## GADDERS

**New York City**  
Ingersoll-Sergeant Drill Co.,  
26 Cortlandt (Air) AAAA  
Rand Drill Co., 100 Bway.  
AAAA  
**VT.—Rutland**  
Patch Mfg. Co. ....B  
Steam Stone Cutter Co. ..A

## GALLERIES:

### RIDING

See Carousels

## GALLEYS

**ILL.—Chicago**  
Barnart Bros. & Spindler  
(Printers') .....AA  
**MICH.—Grand Haven**  
Challenge Machinery Co.  
(Plate Zinc) .....A  
**New York City**  
American Type Founders'  
Co. (Printers') .....AAAA  
Hoe & Co., R. (Printers';  
Slice) .....AAAA  
Liberty Machine Co. (Print-  
ers') .....E  
**R. I.—Providence**  
Hammond Printers Supply  
Co. (Printers' Brass) ..X  
**WIS.—Two Rivers**  
Hamilton Mfg. Co. (Print-  
ers') .....AA

## GALLOONS

**ILL.—Chicago**  
Phoenix Trimming Co., 577  
Clybourn Av. (Drapery) D  
**New York City**  
Bernhard Co., Morris, 85 W.  
19th .....D  
Lindental, E. & P., 1648  
Bway. ....D  
**PA.—Philadelphia**  
Loeb, Lipper & Co. ....A  
Oehrle Bros. & Co., 245 N.  
3d .....B

## GALVANO- METERS

**ILL.—Chicago**  
Western Electric Co., 259 S.  
Clinton (& Bridges) AAAA  
**MASS.—Boston**  
Gleeson, Thos. W., 106 Sud-  
bury (& Bridges) .....F  
**N. H.—Fenacook**  
Whitney Electrical Instru-  
ment Co. (& Bridges) ..D  
**N. J.—Newark**  
Western Electrical Instru-  
ment Co. ....A  
**New York City**  
Bunnell & Co., J. H., 20  
Park Pl. (& Bridges) ...B  
Foote, Pierson & Co., 82  
Fulton (& Bridges) .....C  
Manufacturers & Inventors  
Electric Co., 84 Nassau (&  
Bridges) .....X  
Pearce, Frederick, 18 Rose  
(& Bridges) .....B  
Willyoung & Gibson Co., 11  
Frankfort (& Bridges) X  
**N. Y.—Schenectady**  
General Electric Co. AAAA  
**PA.—Philadelphia**  
Biddle, Jas. G., Stephen Gi-  
rard Bldg. (& Bridges) C  
Keystone Electrical Instru-  
ment Co. ....B  
Partrick, Carter & Wilkins &  
Queen & Co. (Inc.) 1010  
Chesnut (& Bridges) AA

## GAMBOGE

**New York City**  
Hopkins & Co., J. L., 100  
William .....A

## GAMES

See also Boards

**CONN.—Bridgeport**  
Ives Mfg. Co. (Parlor;  
Amusement) .....C  
**CONN.—New Haven**  
New Haven Toy & Game  
Co. ....D  
**ILL.—Chicago**  
Ball & Bro., A. (Poker  
Chips; Dice) .....AA  
Continental Mfg. Co.  
(Croquet) .....AA  
Mikkelsen, Edw., No. Jeff  
(Combination G a m e  
Board) .....D  
**IND.—South Bend**  
South Bend Toy Mfg. Co.  
(Croquet) .....AA  
**MAINE—Dixfield**  
Stowell & Co., N. S.  
(Checkers) .....F  
**MAINE—Portland**  
Burrowes Co., E. T. (Port-  
able; Folding Billiard;  
Pool; Card Tables) ....A  
**MASS.—Charlemont**  
Frary Mfg. Co. (Checkers) E  
**MASS.—Leominster**  
Whitney Reed Chair Co.  
(Parlor; Amusement) AAAA  
**MASS.—Lowell**  
Merrimack Croquet Mfg. Co.  
(Croquet) .....B  
**MASS.—Salem**  
Parker Bros. (Children's;  
Parlor) .....A  
**MASS.—Springfield**  
Bradley Co., Milton (Check-  
ers; Chessmen) .....A  
**MICH.—Grand Rapids**  
Pademaker & Sons, H. (Cro-

**GAMES (Con.)** ..  
 (quet) .....E  
**N. J.—Jersey City**  
 Redgrave, M. (Parlor) ...D  
**N. J.—Newark**  
 Celluloid Co. (Poker Chips;  
 Dice; Chessmen) .....B  
**N. Y.—Albany**  
 Embossing Co. (Checkers;  
 Dominoes) .....B  
**New York City**  
 Baumann, A. O., 112 Univer-  
 sity Pl. (Checkers) ....D  
 Estes & Sons, E. B., 45  
 John (Checkers) .....AA  
 Grote & Co., F., 14 E. 14th  
 (Ivory Checkers; Poker  
 Chips; Dice; Dominoes;  
 Chessmen) .....D  
 Horsman Co., E. I. (Parlor;  
 Amusement) .....O  
 McLoughlin Bros. (Parlor;  
 Amusement; Checkers) ...AAA  
**New York Consolidated Card**  
 Co., 6 W. 14th (Poker  
 Chips) .....B  
 Selchow & Richter (Parlor;  
 Amusement) .....AA  
 Spaulding & Bros., A. G.  
 (Croquet) .....AAAA  
**N. Y.—Seneca Falls**  
 Westcott-Jewell Co. (Dom-  
 inoes) .....D  
**OHIO—Columbus**  
 Sun Mfg. Co. (Croquet) A  
**PA.—Scranton**  
 Scranton Button Co. (Check-  
 ers; Poker Chips) .....A  
**R. I.—Pawtucket**  
 Bliss Mfg. Co., R. (Croquet)  
 AAAA  
**VT.—Putney**  
 Stowell & Co. (Croquet) D  
**WIS.—Casco**  
 Casco Novelty Co. ....O

## GANNISTER

**PA.—Philadelphia**  
 Paxson Co., J. W. (Ground)  
 AA  
**PA.—Pittsburg**  
 Stuart Fire Brick Co.  
 (Ground) .....B

## GARMENTS

See Clothing

## GARNETS

See Jewelry

## GARTERS

Suspenders, Garters, etc.

## GARANTOSE

**ILL.—Chicago**  
 Fuller & Fuller .....AA

## GAS

**CAL.—San Francisco**  
 Western Carbonic Acid Gas  
 Co. (Carbonic Acid) ...B  
**ILL.—Chicago**  
 Chicago Oxygen Gas Co.  
 (Oxygen) .....E  
**MASS.—Chelsea**  
 Hecla Compressed Gas Co.  
 (Liquefied) .....E  
**N. Y.—Buffalo**  
 Buffalo Dental Mfg. Co.  
 (Nitrous Oxide) .....B  
 National Carbonic Gas Co.  
 (Carbonic Acid) .....O  
**New York City**  
 American Carbonate Co., 430  
 E. 19th (Carbonic Acid) A  
 Murray Oxygen Co., 1345  
 Bway. (Oxygen) .....B  
 Walton Oxygen Works  
 (Oxygen) .....X  
**PA.—Philadelphia**  
 Ross, Edw. K., 2402 N. 15th  
 (Nitrous Oxide) .....G  
 White Dental Mfg. Co., S. S.  
 Oxygen for Medical and  
 Chemical work and Cal-  
 cium Light; also Nitrous  
 Oxide for Anaesthesia,

**GAS (Con.)**  
 and Oxygen and Nitrous  
 Oxide combined.) Branch-  
 es at New York; Chicago;  
 Boston and Atlanta.  
**PA.—Pittsburg**  
 National Liquid Gas Co.  
 (Liquefied) .....B

## GASKETS

**CONN.—Bridgeport**  
 Canfield Co., H. O. (Rubber  
 Boiler) .....B  
 Hartford Rubber Wks. Co.  
 (Rubber) .....AAAA  
**DEL.—Wilmington**  
 Amer. Vulcanized Fibre Co.  
 AAAA  
 Delaware Hard Fibre Co.  
 (Oil Proof) .....A  
**ILL.—Chicago**  
 Guillot Metal Gasket Co., 84  
 Market (Metal) .....D  
 Morgan & Wright (Inc.)  
 333 W. Lake (Rubber) AA  
**MD.—Baltimore**  
 Patterson Regulator Co., 14  
 W. Barre (Metal) .....X  
**MASS.—Boston**  
 Boston Belting Co. (Rubber)  
 AAAA  
 Chadwick-Boston Lead Wks.  
 (Metal) .....AAA  
 Revere Rubber Co., 63  
 Franklin (Rubber) AAAA  
**MASS.—Cambridge**  
 Boston Woven Hose & Rub-  
 ber Co. (Rubber) AAAA  
**MASS.—Taunton**  
 Taunton Locomotive Mfg.  
 Co. (Corrugated Copper) A  
**MICH.—Battle Creek**  
 Sherman Mfg. Co., H. B.  
 (Rubber) .....A  
**MO.—St. Louis**  
 Hazzard Machinery Co., A.  
 B. (Lead) .....X  
**N. J.—Jersey City**  
 New Jersey Car Spring &  
 Rubber Co. (Rubber) AA  
 Smooth-on Mfg. Co. (Iron) B  
 Voorhees Rubber Mfg. Co. A  
**N. J.—Milltown**  
 International Automobile &  
 Vehicle Tire Co. (Rubber)  
 B  
**N. J.—Trenton**  
 Crescent Belting & Pack-  
 ing Co. ....A  
 Empire Rubber Mfg. Co.  
 (Rubber) .....AA  
 Hamilton Rubber Mfg. Co. A  
 Home Rubber Co. (Rubber)  
 AA  
 Mercer Rubber Co. (Rubber)  
 A  
 Stokes Rubber Co., Jos. ...A  
 Trenton Rubber Mfg. Co.  
 (Rubber) .....A  
 United & Globe Rubber Mfg.  
 Co. ....AAA  
**New York City**  
 Brandt, Randolph, 38 Cort-  
 landt (Triple Expansion  
 for Boiler Wks.) .....E  
 Common Sense Metallic  
 Packing Co. ....D  
 Goodyear Rubber Co. (Rub-  
 ber) .....AAAA  
 Gutta Percha & Rubber Co.,  
 126 Duane (Rubber) .....AAAA  
 Hodgman Rubber Co., 306  
 Bway. ....AA  
 Jenkins Bros. ....A  
 Kinsman Electric & Rail-  
 way Supply Co. (Copper) E  
 Johns-Manville Co., H. W.  
 (Asbestos) .....AAAA  
 McCord & Co., 101 Bway.  
 (Rubber encased in Cop-  
 per) .....B  
 Manhattan Rubber Mfg. Co.,  
 18 Vesey .....AA  
 Mineralized Rubber Co., 18  
 Cliff .....A  
 New York Belting & Pack-  
 ing Co., (Ltd.) 25 Park Pl.  
 (Rubber) .....AA  
 New York Rubber Co., 84  
 Reade (Rubber) .....AA  
 Peerless Rubber Co., 16  
 Warren (Rubber) ....AA

**GASKETS (Con.)**

Pulver & Sons, Peter, 214  
Franklin .....D  
U. S. Mineral Wool Co., 143  
Liberty (Corrugated Cop-  
per; Asbestos) .....D  
Waterbury Rubber Mfg. Co.,  
49 Warren (Rubber) ...D  
N. Y.—Palmyra  
Garlock Packing Co. ....AA  
OHIO—Akron  
Diamond Rubber Co. AAAAA  
Goodrich Co., B. F. AAAAA  
Whitman & Barnes Mfg. Co.  
AAAA  
OHIO—Cincinnati  
Van Duzen Co., E. W.  
(Lead) .....B  
OHIO—Cleveland  
Mechanical Rubber Co.  
(Rubber) .....AAAA  
OHIO—Youngstown  
Republic Rubber Co. (Rub-  
ber) .....AA  
PA.—Erie  
Watson Co., H. F. ....AAA  
E. I.—Bristol  
National India Rubber Co.  
AAAA  
WIS.—Milwaukee  
Winsor Mfg. Co., 570 Clin-  
ton .....B

**GASOLINE**

CAL.—San Francisco  
Pacific Coast Oil Co. AAAAA  
New York City  
Standard Oil Co. ....AAAA  
PA.—Bradford  
Emery Mfg. Co. ....AAAA  
PA.—Freedom  
Freedom Oil Wks. Co. ....A  
PA.—Philadelphia  
Atlantic Refining Co. AAAAA  
Crew-Levick Co., 113 Arch  
AAA

**GATES**

See also Valves

ALA.—Birmingham  
Dimmick Pipe Co. (Sluice)  
AA  
CAL.—San Francisco  
California Artistic Metal &  
Wire Co., 539 Mission  
(Folding) .....D  
Pelton Water Wheel Co.  
(Sluice) .....AA  
CONN.—Georgetown  
Gilbert & Bennett Mfg. Co.  
(Automatic; Wire) ..AAA  
CONN.—Hartford  
Stirling Blower & Pipe Mfg.  
Co. (Blast) .....A  
CONN.—Meriden  
Bradley & Hubbard Mfg. Co.  
(Bronze; Ornamental Iron)  
AAAA  
Parker Co., Chas. (Oil;  
Molasses) .....AAA  
GA.—Atlanta  
Atlanta Wire & Iron Wks.  
Co., 64 N. Broad (Orna-  
mental Iron) .....F  
ILL.—Chicago  
Allis-Chalmers Co., Home  
Ins. Bldg. (Ore Bin) .....AAAA  
Barbee Wire & Iron Wks.  
(Drive; Folding; Iron;  
Lawn; Walk; Wire; Orna-  
mental; Cemetery; Ceme-  
tery Vault; Netting) ..B  
Booth, Jno., 114 Lake (Orna-  
mental Iron) .....B  
Braunmoeller & Son, Henry  
(Iron) .....B  
Chicago Ornamental Iron Co.  
37th & Stewart Av. (Orna-  
mental Iron) .....A  
Expander Metal Fire Proof-  
ing Co. (Farm) .....A  
Garden City Fan Co. (Blast)  
B  
Globe Iron Wks. (Iron) ..B  
Hickey Wire & Iron Wks.,  
M. H., 54 Dearborn (Orna-  
mental Iron) .....E  
Pneumatic Gate Co., 149 E.  
Huron (Railway Crossing)  
D  
Smith Wire & Iron Wks., F.  
P., 100 Lake (Ornamental

**GATES (Con.)**

Iron) .....AA  
Vulcan Iron Wks., 68 Mil-  
waukee Av. (Sluice) ..AA  
Winslow Bros. Co., 368 Car-  
roll Av. (Bronze; Orna-  
mental Iron) .....AA  
ILL.—De Kalb  
De Kalb Fence Co. (Drive;  
Walk; Farm) .....AA  
Union Fence Co. (Drive;  
Walk) .....B  
ILL.—Harvey  
Buda Foundry & Mfg. Co.  
(Railway Crossing) ..AA  
ILL.—Joliet  
Adams Sled & Wire Wks.  
(Cemetery) .....D  
ILL.—Quincy  
Quincy Elevator Gate Co.  
(Elevator) .....D  
IND.—Connorsville  
Connorsville Blower Co.  
(Blast) .....A  
IND.—Evansville  
Grote Mfg. Co. (Ornamental  
Iron; Park; Cemetery,  
etc.) .....D  
IND.—Indianapolis  
Over, Ewald (Automatic) O  
IND.—Kokomo  
Kokomo Fence Machine Co.  
(Farm; Ornamental Wire;  
Yard) .....AAA  
IND.—Richmond  
Richmond Safety Gate Co.  
(Automatic; Elevator) O  
IOWA—Cedar Falls  
Iowa Gate Co. (Railway) D  
MASS.—Boston  
Coffin Valve Co. (Sluice;  
Sewer; Water Work) ..D  
Sturtevant Co., B. F.  
(Blast) .....AAA  
MASS.—Indian Orchard  
Chapman Valve Mfg. Co.  
(Sluice; Gas; Water  
Work) .....AAA  
MASS.—Salem  
Salem Elevator Wks.  
(Safety Elevator) .....B  
MASS.—Springfield  
Springfield Foundry Co.  
(Molasses; Oil) .....A  
MASS.—Woburn  
Smith & Wallace (Car) ...X  
IMASS.—Worcester  
Wright Wire Co. (Wire) AA  
MICH.—Adrian  
Page Woven Wire Fence Co.  
(Farm) .....A  
MICH.—Birmingham  
Wilson Railway Gate Co.  
(Railway Crossing) ....F  
MICH.—Detroit  
Amer. Blower Co. (Blast) AA  
Barnum Wire & Iron Wks.  
(Ornamental Iron) ....B  
Vulcan Co. (Ornamental  
Iron) .....F  
MICH.—Holly  
Cyclone Woven Wire Fence  
Co. (Farm) .....O  
MICH.—Saginaw  
Wickes Bros. (Blast) AAA  
MO.—Kansas City  
Kansas City Wire & Iron  
Wks. (Wire) .....A  
Kleeman, Trotter & Co.,  
1327 Main (Ornamental  
Iron) .....D  
MO.—St. Louis  
Brownell Co., 2300 N. Bway.  
(Car) .....AAA  
Koken Iron Wks., Koken  
Bldg. (Ornamental Iron) B  
Ludlow-Taylor Wire Co.  
(Extension) .....AA  
Union Iron & Foundry Co.,  
1458 S. 2nd. (Ornamental  
Iron) .....A  
N. J.—Boonton  
Lincoln Iron Wks. (Iron) B  
N. J.—Jersey City  
Snead & Co. Iron Wks.  
(Bronze; Ornamental Iron)  
A  
N. Y.—Brooklyn  
Ajax Iron & Wire Co., 75  
York (Ornamental Iron) F  
Hecla Iron Wks., N. 11th &  
Berry (Bronze; Ornamen-  
tal Iron; Wrought Iron)  
AA

**GATES (Con.)**

**N. Y.—Buffalo**  
Buffalo Forge Co. (Blast) .....AAA

**M. Y.—Cortland**  
Cortland Carriage Goods Co.  
(Vehicle End) .....A

**N. Y.—Horseheads**  
Weller Hardware & Foundry Co. (Molasses) ....D

**N. Y.—Manlius**  
Cheney & Son, S. (Molasses) .....A

Scoville, E. U. (Oil) .....C

**N. Y.—Newburgh**  
Coldwell-Wilcox Co. (Sluice; Pivot) .....B

**New York City**  
Anderson, Henry C., 414  
Bleecker (Folding) .....E

Barr Co., Edward (Water Work) .....X

Bataille, Achille & Co., 587  
Hudson (Folding) .....E

Cabaret, Paul E., 342 W.  
14th (Bronze) .....D

Carpenter Co., F. E., 7-9  
Warren (Ornamental Iron) .....F

Cornell Co., J. B. & J. M.  
26th & 11th Av. (Ornamental Iron; Farm) .....AA

Dewitt Wire Cloth Co.  
(Wire) .....A

Diamond, Thos. (Folding; Iron; Iron Stoop) .....A

Estey Wire Wks. Co., 59  
Fulton (Extension) ....D

Fiske Iron Wks., J. W.  
(Iron; Wire; Wrought Iron) .....B

Fox & Co., Jno., 253 Bway.  
(Sluice) .....B

Jackson Co., Wm. H., 29 E.  
17th (Union Sq.) (Bronze; Driveway; Entrance; Ornamental Iron) .....A

Kennedy Valve Mfg. Co., 57  
Beekman (Sluice) .....AAA

Koehn, Alfred, 159 W. 29th  
(Ornamental Iron) .....E

Manhattan Brass Co., 334 E.  
28th (Bronze) .....A

Mott Iron Wks., J. L., 84  
Beekman (Bronze; Ornamental Iron) .....AA

Pitt Composite Iron Wks.,  
Wm. R., 111 5th Av.  
(Bridge; Bronze; Car; Driveway; Entrance; Patent Folding Ferryboat; Ornamental Iron; Folding Elevator) .....D

Prince Iron Wks., 553 W.  
33d (Ornamental Iron) .....C

Sargent & Co., 151 Leonard  
(Oil; Molasses) .....AAAA

Union Equipment & Bronze  
Co., 514 W. 36th (Bronze) .....D

Williams, Jno., 556 W. 27th  
Iron) .....D

**N. Y.—Syracuse**  
Stearns & Co., E. C. (Oil; Molasses) .....AA

**N. Y.—Troy**  
Ludlow Valve Mfg. Co.  
(Sluice; Water Wk.) AAA

**N. Y.—Warsaw**  
Warsaw Elevator Co. (Automatic Hatch) .....B

**N. Y.—Waterford**  
Eddy Valve Co. (Sluice; Water Work) .....AA

**OHIO—Cincinnati**  
Bourbon Copper & Brass  
Wks., 618 E. Front  
(Sluice) .....A

Obermayer Co., S. (Blast) .....AAA

Schreiber & Sons Co., L., 8th  
& Eggleston Av. (Bronze; Folding; Ornamental Iron) .....AA

Stewart Iron Wks., 714 E.  
3rd (Folding; Ornamental Iron) .....A

**OHIO—Cleveland**  
Taylor & Boggis Foundry Co.  
(Molasses; Oil) .....AA

Tyler & Co., W. S., 1150 St.  
Clair (Bronze; Ornamental Iron) .....AAAA

Van Dorn Iron Wks. Co.

**GATES (Con.)**

(Ornamental Iron) ....AA

**OHIO—Columbus**  
International Fence & Fire  
Proofing Co., Buttles Av.  
(Automatic Drive; Farm) .....A

**OHIO—Hamilton**  
Meyers Mfg. Co., Fred. J.  
(Wrought Iron) .....B

**OHIO—Kenton**  
Champion Iron Co. (Driveway; Entrance; Ornamental Iron) .....AA

**OHIO—Middletown**  
Fetzer & Co. (Self Opening) .....AAAA

**OHIO—Springfield**  
Rogers Iron Co. (Ornamental Iron) .....B

Webster & Perks Tool Co.  
(Safety Elevator) ....C

**OHIO—Toledo**  
Donovan Wire & Iron Co.  
(Electric; Cable Car; Safety Elevator) .....C

**PA.—Elwood City**  
Glen Mfg. Co. (Cemetery) .....C

**PA.—New Castle**  
Vogan Bros. Mfg. Co. (Car) .....B

**PA.—Philadelphia**  
Brill Co., J. G., 62d & Woodland Av. (Car) .....AAA

Creswell Iron Wks., Samuel  
J., 23d & Cherry (Ornamental Iron) .....B

Energy Elevator Co., 408  
Cherry (Safety Elevator) .....D

Enterprise Mfg. Co., 3d &  
Dauphin (Molasses; Oil) .....AAAA

Eynon-Evans Mfg. Co.  
(Blast) .....A

Gaumer & Co., Jno. L., 19th  
& Hamilton (Bronze; Ornamental Iron) .....C

Merritt & Co., 1024 Ridge  
Av. (Folding; Ornamental Iron) .....B

North Bros. Mfg. Co. (Oil; Molasses) .....AA

Paxson Co., J. W. (Blast) .....AA

Wayne Iron Wks., (Inc.)  
Arcade Bldg. (Ornamental Iron) .....B

Wood & Co., R. D., 400  
Chestnut (Sluice) AAAA

**PA.—Pittsburg**  
Phoenix Steel Construction  
Co., 3d & Penn Av.  
(Bronze; Ornamental Iron) .....D

Taylor & Dean, 205 Market  
(Ornamental Iron) .....B

Vilsack Co., Martin (Ornamental Iron) .....E

**PA.—Reading**  
Remppis Co., Wm. F. (Entrance; Driveway; Ornamental Iron) .....B

**R. I.—Pawtucket**  
Bliss Mfg. Co., R. (Car; Wood) .....AAA

**VA.—Lynchburg**  
Glamorgan Pipe & Foundry Co. (Sluice) .....AAA

**WIS.—Cudahy**  
Power & Mining Machinery  
Co. (Ore Bin) .....AAA

**WIS.—Milwaukee**  
Bayley & Sons Co., Wm.,  
732 Greenbush (Blast) ...X

National Blower Wks.  
(Blast) .....A

**WIS.—Racine**  
Racine General Mfg. Co.  
(Yard) .....E

**GAUGES**

See also Micrometers

**CONN.—Bridgeport**  
Belknap Mfg. Co. (Tank) .....C

**CONN.—Hartford**  
Billings & Spencer Co.  
(Pocket, etc.; Caliper; Scratch without Screw Attachment; Snap; Universal Screw Cutting; Combination; Depth; Marking) .....AA

**GAUGES (Con.)**

Pratt & Cady Co., 556 Capitol Av. (Water Pressure Self-Closing) .....AAA  
 Pratt & Whitney Co. (Calliper; Car Wheel, Circumference; Limit; Plug & Ring; Screw Pitch; Sheet Metal; Snap; Thread; Universal Screw Cutting Decimal Sheet Metal; Master Car Builders) .....AAAA  
**CONN.—New Britain**  
 Stanley Rule & Level Co. (Carpenters'; Marking; & Squares Combined; Butt; Rabbett; Chisel; Clapboard) .....AAA  
**CONN.—New Haven**  
 Hoggson & Pettis Mfg. Co. (Surface) .....A  
 Kilborn & Bishop Co., 81 Lloyd (Forged Saw) ...C  
**CONN.—Pine Meadows**  
 Chapin-Stephens Co. (Carpenters'; Marking; Butt; Rabbett; Combination) A  
**CONN.—Rockfall**  
 Smith, O. A. (Marking) B  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co. (Wire; Clapboard) AAAA  
**CONN.—Tolland**  
 Clough, R. M. (Plug; Ring) D  
**CONN.—Waterbury**  
 Bristol Co. (Compression; Recording Pressure; Recording Tide; Water Pressure; Self-Closing) D  
 Standard Electric Time Co. (Electric) .....D  
**CONN.—Winsted**  
 Winsted Edge Tool Wks. (Carpenters') .....B  
**ILL.—Chicago**  
 Baird Mfg. Co. (Battery) O  
 Crane Co. (Steam; Water Pressure; Self-Closing; Hydraulic) .....AAAA  
 Fairbanks, Morse & Co., Franklin & Monroe (Circular Radial, etc. Track) .....AAAA  
 Lovejoy, T. H., 90 Ohio (Track) .....D  
 Marsh & Co., Jas. P., 224 Washington (Steam; Electric; Ammonia; Illuminated; Test; Compound Pressure; Hydraulic; Vacuum) .....B  
 Pelouze Scale & Mfg. Co. (Hem) .....C  
 Scott Valve Co., 32 W. Randolph (Water Pressure Self-Closing) .....D  
 Star Brass Wks., 67 S. Canal (Syrup) .....F  
 Weiskopf, A. (Vacuum) E  
 Western Valve Co., 43 W. Randolph (Water Pressure Self-Closing) .....B  
**ILL.—Harvey**  
 Buda Fdry. & Mfg. Co. (Tie Plate; Track) .....AA  
**ILL.—Waukegan**  
 Thomas Brass & Iron Co. (Water Pressure Self-Closing) .....A  
**IND.—Indianapolis**  
 Atkins Co., E. C. (Saw; Standard Size; Dimension) .....AAAA  
**MASS.—Athol**  
 Athol Machine Co. (Calliper Open-Face; Screw Pitch; Surfaces; Universal Screw Cutting; Centre; Depth; Pocket Center) .....B  
 Richardson-Oliver Co. (Scratch) .....E  
 Starrett Co., L. S. (Calliper; Micrometer; S c r a t c h; Screw; Pitch; Surface; Thread; Universal Screw Cutting; Wire; Circumference; Centre; Depth; Drill) .....A  
**MASS.—Boston**  
 Amer. Steam Gauge & Valve Mfg. Co., 195 High (Recording Pressure; Steam; Water Pressure, Self-Clos-

**GAUGES (Con.)**

ing; Combination; High Pressure, Alarm; Locomotive; Mercurial Pressure; Ammonia; Test; Thermometer; Hydraulic; Pump; Vacuum; Draft; Mercury) .....AA  
 Ashton Valve Co., 271 Franklin (Compression; Recording Pressure; Steam; Water Pressure; Self-Closing; Air Brake; Back Pressure; Locomotive; Ammonia; Compound; Test; Hydraulic; Vacuum) .....A  
 Boston Gear Wks. (Gear Tooth) .....E  
 Brainerd Steam Trap Co., Chamb. of Commerce (Gas Pressure; Mercurial Air Pressure) .....H  
 Crosby Steam Gauge & Valve Co., 95 Oliver (Gas; Recording Pressure; Water Pressure, Self-Closing; Steam; Air Brake; Back Pressure; Combination; Locomotive; Ammonia; Ordinance; Test; Gas Pressure; Hydraulic; Chemical; Brewers'; Vacuum) .....AA  
 Jones Gauge Co., 5 Broad (Recording Pressure) ..H  
 Star Brass Mfg. Co., 103 E. Dedham (Steam; Water Pressure, Self-Closing; Back Pressure; Combination; Indicating; Locomotive; Mercurial Pressure; Recording; Time Recording; High Pressure Alarm; Automatic Water Pressure; Vacuum) .....A  
 Sturtevant Co., B. F., 34 Oliver (Testing, Fan Pressure) .....AAA  
 Welch & Co., T. F., 65 Sudbury (Scratch) .....D  
**MASS.—East Boston**  
 Wyke & Co., Jno., 898 Saratoga (Keyseat or Shipping; Combination Surface; Universal Screw Cutting) D  
**MASS.—Chicopee Falls**  
 Stevens Arms & Tool Co., J. (Scratch; Surface; Universal Screw Cutting) AAA  
**MASS.—Fitchburg**  
 Sawyer Tool Mfg. Co. (Surface; Planer; Scratch; Screw; Pitch; Thread; Graduated Universal Screw Cutting; Center; Depth) .....C  
**MASS.—Greenfield**  
 Goodell-Pratt Co. (Planer; Combination; Marking) B  
 Massachusetts Tool Co. (Surface) .....C  
 Wells Bros. Co. (Bolt; Pipe) A  
**MASS.—New Bedford**  
 Morse Twist Drill & Machine Co. (Calliper; Plug; Ring; Universal Screw Cutting; Worm Thread Tool; Drill) .....AAA  
**MASS.—Shelburne Falls**  
 Mayhew Co., H. H. (& Squares Combined) ....D  
**MASS.—Springfield**  
 Bemis & Call Hdw. & Tool Co. (Marking) .....A  
 Bullock & Co., O. W. (Chamferer) .....A  
**MASS.—Worcester**  
 Union Water Meter Co. (Reservoir) .....B  
 Wright Wire Co. (Wire) AA  
**MICH.—Detroit**  
 Buhl Stamping Co. (Gas Pressure) .....AA  
 Byram & Co. (Blast) ...D  
 McRae & Robberts Co., 227 Campbell Av. (Water Pressure Self-Closing) ..A  
 Michigan Lubricator Co. (Water Pressure Self-Closing) .....A  
 Penberthy Injector Co., 348 Holden Av. (Water Press-

**GAUGES (Con.)**  
 ure Self-Closing) .....A  
 Wright Mfg. Co., 57 W.  
 Woodbridge (Water Pressure  
 Self-Closing) .....B  
**MICH.—Kalamazoo**  
 Kalamazoo Railway Supply  
 Co. (Track) .....B  
**MICH.—Saginaw**  
 Lufkin Rule Co. (Lumber)  
 AA  
**MICH.—Three Rivers**  
 Sheffield Car Co. (Track) AA  
**MO.—St. Louis**  
 Handlan-Buck Mfg. Co., 212  
 N. 3rd (Track) .....AA  
**N. J.—Calstadt**  
 Vulcan Hdw. Co. (Wire) C  
**N. J.—Elizabeth**  
 Braunsdorf-Mueller Co.  
 (Bit) .....D  
**N. J.—Gloucester City**  
 Rogers Boat Gauge & Drill  
 Wks., Jno. M. (Caliper;  
 Limit; Cylindrical; Sur-  
 face; Metric) .....A  
**N. J.—Newark**  
 Gould & Eberhardt (Depth;  
 Gear Tooth) .....A  
 Seymour & Whitlock. 43  
 Lawrence (Saw) .....B  
**N. J.—Paterson**  
 Trautvetter Bros. (Record-  
 ing Pressure) .....G  
**N. J.—Smithville**  
 Smith Machine Co., H. B.  
 (Saw) .....A  
**N. J.—Vineland**  
 Gage Tool Co. (Carpenters';  
 Wheel) .....A  
**N. Y.—Albany**  
 McDonald & Co., D. (High  
 Pressure Alarm; Gas  
 Pressure; Pocket Press-  
 ure) .....A  
**N. Y.—Brooklyn**  
 Schaffer & Budenberg Mfg.  
 Co., 10 Division (Compres-  
 sion; Recording Pressure;  
 Steam; Water Pressure  
 Self-Closing; Test; Vacu-  
 um) .....D  
 Williams & Co., J. H.  
 (Caliper) .....AA  
**N. Y.—Buffalo**  
 Sherwood Mfg. Co., 34  
 Washington (Water Press-  
 ure Self-Closing) .....B  
**N. Y.—Elmira**  
 Swift Lubricator Co. (Water  
 Pressure Self-Closing) B  
**N. Y.—Frankfort**  
 Utica Steam Gauge Co.  
 (Steam) .....X  
**New York City**  
 Ashcroft Mfg. Co., 85 Lib-  
 erty (Recording Pressure;  
 Steam; Water Pressure  
 Self-Closing; Back Press-  
 ure; Locomotive; Test;  
 Vacuum) .....A  
 Bushnell Co., Jno. S., 120  
 Liberty (Recording Press-  
 ure) .....E  
 Etna Mfg. Co., 253 Bway.  
 (Drill) .....D  
 Fairbanks Co., 186 Elm  
 (Water Pressure Self-Clos-  
 ing) .....AAAA  
 Fox Bros. & Co., 24 Vesey  
 (Track) .....A  
 Hammacher, Schlemmer &  
 Co., 209 Bowery (Caliper;  
 Marking; Scratch; Screw  
 Pitch; Surface; Universal  
 Screw Cutting; Wire) AAA  
 Hoe & Co., R., 504 Grand  
 (Saw) .....AAAA  
 Konnel, Arthur, 68 Broad  
 (Track) .....A  
 Leavitt & Co., C. W., 15  
 Cortlandt (Track) .....D  
 McCoy Co., Jos., 157 Cham-  
 bers (Track) .....B  
 McNab & Harlin Mfg. Co.,  
 56 John (Water Pressure  
 Self-Closing) .....AAA  
 Manhattan Electrical Supply  
 Co., 32 Cortlandt (Wire-  
 Man's Calculating) ...AA  
 Millers Falls Co., 28 Warren  
 (Bit; Jointer) .....AA  
 Nelson, Charles, 439 E. 10th  
 (Water Pressure Self-Clos-  
 ing) .....D

**GAUGES (Con.)**  
 Tower & Lyon Co., 95 Cham-  
 bers (Butt; Rabbett) ..B  
 Watson-Stillman Co. (Hy-  
 draulic) .....A  
**N. Y.—Rochester**  
 Caldwell Mfg. Co., 8 Jones  
 (Carpenters') .....C  
 Taylor Bros. Co. (Rain; Hy-  
 draulic; Vacuum) ...AA  
**N. Y.—Syracuse**  
 Standard Gauge Mfg. Co.  
 (Compression; Recording  
 Pressure; Steam; Water  
 Pressure Self-Closing) ..B  
**OHIO—Cincinnati**  
 Cinn. Tool Co. Norwood  
 (Bit; Universal Screw  
 Cutting) .....A  
 Lunkenheimer Co., Beekman  
 & Waverly (Compression;  
 Dynamo; Motor Oil;  
 Recording Pressure;  
 Steam; Water Pressure  
 Self-Closing) .....AA  
 McGowan Co., Jno. H., 44  
 Central Av. (Water Press-  
 ure; Self-Closing) ....A  
 Powell Co., Wm., 2525  
 Spring Grove Av. (Water  
 Pressure Self-Closing) ..A  
 Queen City Brass & Iron  
 Wks. (Water Pressure  
 Self-Closing) .....B  
 Tatum Co., Saml. C.  
 (Bit) .....B  
 Vanduzen Co., E. W., 428  
 E. 2nd (Water Pressure  
 Self-Closing) .....B  
**OHIO—Cleveland**  
 Cleveland Steam Gauge Co.,  
 106 Merwin (Recording  
 Pressure; Steam; Water  
 Pressure Self-Closing) ...O  
 Cleveland Twist Drill Co.,  
 cor. Lake & Kirtland  
 (Snap; Universal Screw  
 Cutting; Drill) .....A  
 Farnan Brass Wks., 25  
 Center (Water Pressure  
 Self-Closing Safety) ....A  
 Reliance Gauge Column Co.,  
 76 E. Prospect (Reliance  
 Lever; Water Pressure  
 Quick-Closing) .....D  
 Standard Tool Co. (Univer-  
 sal Screw Cutting) ...AA  
**OHIO—Columbus**  
 Ohio Tool Co. (Carpenters';  
 Marking) .....AA  
**OHIO—Dayton**  
 Buckeye Iron & Brass Wks.  
 (Water Pressure Self-  
 Closing) .....AA  
**OHIO—Mansfield**  
 Ohio Brass Co. (Water Pres-  
 sure Self-Closing) .....AA  
**OHIO—Mt. Gilead**  
 Hydraulic Press Mfg. Co.  
 (Barrel) .....A  
**OHIO—Sandusky**  
 Sandusky Tool Co. (Carpen-  
 ters'; Marking) .....A  
**PA.—Columbia**  
 Smith, E. H. (Caliper; Mi-  
 crometer; Screw Pitch;  
 Universal Screw Cutting)  
 E  
**PA.—Eldred**  
 Prouty & Co., C. (Saw) ..B  
**PA.—Erie**  
 Jarecki Mfg. Co. (Water  
 Pressure Self-Closing)....  
 AAAA  
**PA.—Harrisburg**  
 Hickok Mfg. Co., W. O.  
 (Case) .....AA  
**PA.—Montrose**  
 Beach, H. W. (Saw) .....D  
**PA.—Philadelphia**  
 Atlantic Wks. (Inc.), 23rd  
 & Arch (Saw) .....B  
 Belfield & Co., H., 435 N.  
 Broad (Steam; Water  
 Pressure Self-Closing) .AA  
 Brown, Edward (Mercury)  
 B  
 Diston & Sons (Inc.),  
 Henry (Carpenters';  
 Marking; Saw; Universal  
 Screw Cutting; Wire;  
 Combination) .....AAAA  
 Huyette, Paul B. Bets  
 Bldg. (Water Pressure

**GAUGES (Con.)**

Quick-Closing) .....E  
 Olsen & Co., Tinius  
 (Hydraulic) .....A  
 Paxson Co., J. W. (Blast)  
 AA  
 Pedrick & Ayer (Adjustable Shrinkage) .....A  
 Quimby Engineering Co., 911 Ridge Av. (Recording Pressure; Steam) .....F  
**PA.—Pittsburg**  
 Kelly & Jones Co., 135 Water (Water Pressure Self-Closing) .....AA  
 Mansfield Mfg. Co., 57 1st Av. (Water Pressure Self-Closing) .....X  
 Pittsburg Gauge & Supply Co. (Water Pressure Self-Closing) .....A  
 Verona Tool Wks., Murland Bldg. (Track) .....A  
**PA.—Scranton**  
 Everhart Brass Wks. (Safety) .....A  
**PA.—Susquehanna**  
 Curran, F. (Wheel) .....F  
**PA.—Williamsport**  
 United States Machine Co. (Saw) .....D  
**R. I.—Providence**  
 Brown & Sharp Mfg. Co. (Caliper; Cylindrical; Limit; Micrometer; Plug; Ring; Rolling Mill; Screw Pitch; Sheet Metal; Thread; Universal Screw Cutting; Wire; Worm Thread Tool; Centre; Corrective; Precision; Standard Size; Surface; Depth; Drill; Gear Tooth; Metric) .....AAAA  
 Slocumb & Co., J. T. (Caliper; Micrometer; Universal Screw Cutting; Depth) .....D  
**WIS.—Milwaukee**  
 Filer & Stowell Co. (Lumber; Timber) .....AAA

**GAUNTLETS**

See Gloves & Mittens

**GAUZE:  
SURGICAL**

**MASS.—Griswoldville**  
 Griswoldville Mfg. Co. (Hospital) .....A  
**MASS.—Walpole**  
 Lewis Batting Co. (Absorbent) .....B  
**N. J.—New Brunswick**  
 Johnson & Johnson (Antiseptic) .....A  
**New York City**  
 Seabury & Johnson (Antiseptic; Absorbent) .....AAAA  
**PA.—Conshohocken**  
 Lee Co., J. Ellwood (Antiseptic) .....AA

**GAVELS**

**MASS.—Boston**  
 Boston Regalia Co., 7 Temple Pl. (Military) .....F  
**New York City**  
 Baumann, A. O., 112 University Pl. (Ivory) .....D  
 Estes & Son, E. B., 45 John .....AA  
 Grote & Co., F. .....D  
 Shardlow, Joseph, 116 Fulton (Iron; Wood) .....D  
**N. Y.—Stony Brook**  
 Stossel, Carl .....F

**GEARS**

See also Woodwork; Carriage; also Hardware; Carriage

**CAL.—San Francisco**  
 Pacific Gear & Tool Wks. (Spur; Worm) .....E  
 Union Iron Works (Steering) .....X

**GEARS (Con.)**

**CONN.—Ansonia**  
 Farrell Fdry. & Mach. Co. (Machine Molded; Cast) .....AAAA  
**CONN.—Derby**  
 Birmingham Iron Fdry. (Machine Molded; Cast) .....A  
**CONN.—Middlefield**  
 Lyman Gunsight Corporation (Rowing) .....C  
**CONN.—New Haven**  
 Reeves Mfg. Co. (Spur) .....C  
**CONN.—Waterbury**  
 Waterbury, Farrell Fdry. & Mach. Co. .....AA  
**GA.—Atlanta**  
 De Loach Mill & Mfg. Co. (Mill) .....B  
**ILL.—Chicago**  
 Aills-Chalmers Co. ....AAAA  
 Borden & Selleck Co. ....B  
 Caldwell & Son, H. W., 17th & Western Av. (Machine Moulded; Worm; Cast) .....A  
 Chicago Rawhide Mfg. Co. 75 E. Ohio (Rawhide; & Pinions; Rawhide Electric Railway) .....A  
 Dodge Mfg. Co., 168 S. Clinton .....AAA  
 Ganschow, Wm., 35 S. Canal (Cut; Internal; Worm) .....D  
 Hardinge Bros., 1036 Lincoln Av. (Cut) .....B  
 Kaestner & Co. (Inc.), 241 S. Jefferson .....A  
 Link Belt Mchry. Co., 39th & Stewart Av. (Equalizing) .....A  
 McGuire-Cummings Mfg. Co. (Street Car; Running) AA  
 Plamondon Mfg. Co., A., 59 S. Clinton (Machine Moulded) .....A  
 Redington Co., F. B., 35 W. Monroe (Cut) .....D  
 Stilwell-Bierce & Smith-Vaile Co., 311 Dearborn (Cast; Mortise) .....AAAA  
**ILL.—Edwardsville**  
 Bignall Keeler Mfg. Co. ....B  
**ILL.—Litchfield**  
 Litchfield Fdry. & Mach. Co. (Cast) .....A  
**IND.—Indianapolis**  
 Nordyke & Marmon Co., 1101 W. Morris (Bevel) .....AAA  
**IND.—Mishawaka**  
 Dodge Mfg. Co. ....AAA  
**IND.—Richmond**  
 Richmond City Mill Wks., A  
**KANS.—Enterprise**  
 Ehrsam Mach. Co. (Friction Clutch) .....C  
**KANS.—Leavenworth**  
 Great Western Mfg. Co. (Bevel; Spur; Cast; Mortise) .....AA  
**KY.—Louisville**  
 Caldwell Co., W. E., Brannies Av. & Brook .....A  
**MAINE.—Portland**  
 Laughlin Co., Thos. (Marine; Steering) .....A  
 Portland Co. (Bevel; Cast; Mitre; Spur) .....AA  
**MD.—Baltimore**  
 Morse, Williams & Co., 205 E. German .....AA  
 Poole Engineering & Machine Co. (Cut; Friction Clutch; Worm; Bevel; Internal; Machine Moulded; Angler; & Pinions Electric Railway; Mortise) .....AA  
**MASS.—Boston**  
 Boston Gear Wks., 152 Purchase (Bevel; Mitre; Mortise; Spur, etc.; also Brass; Worm; Fibroid; Rawhide; Compensating Bevel; Fibre; Rawhide) B  
 Dodge Mfg. Co., 137 Purchase .....AAA  
 Edson Mfg. Co., 257 Atlantic Av. Steering Yacht; Ship) .....B  
 Falls Rivet & Machine Co.,

**GEARS (Con.)**

54 Purchase .....A  
 Grant Gear Wks., 6 Portland (Cut) .....A  
 Holmes & Blanchard Co., 39 Wash. N. ....B  
 Morse, Williams & Co., 19 Pearl .....AA  
 Welch & Co., T. F., 65 Sudbury (Brass Internal; Brass Worm) .....D  
**MASS.—Florence**  
 Norwood Engineering Co. (Spur) .....B  
**MASS.—Holyoke**  
 Holyoke Machine Co. (Cut; Friction Clutch; Bevel Cast; Mortise; Spur) ..AA  
**MASS.—Orange**  
 Chase Turbine Mfg. Co. .A  
 Hunt, Rodney Machine Co. (Friction Clutch) .....A  
**MASS.—Pittsfield**  
 Jones Sons Co., E. D. (Bevel; Cast; Friction).B  
**MICH.—Detroit**  
 Buhl Malleable Co., Wight & Adair (Cut; Worm) .A  
 Dodge Bros. (Cut) .....A  
 Leland & Faulconer Mfg. Co. (Reciprocating for Automobiles) .....A  
**MINN.—Minneapolis**  
 Minneapolis Steel & Mchry. Co. (Cast) .....AAA  
 Twin City Iron Wks. ....A  
**MISS.—Meridian**  
 Soule Steam Feed Wks. ....C  
**MO.—St. Louis**  
 Medart Patent Pulley Co., 3500 De Kalb Av. (Plain; Mortise Cut; Friction Clutch; Worm) .....AA  
 Messmer Mfg. Co., Fred. (Cut; Worm) .....B  
 M. H.—Concord  
 Holt Bros. Mfg. Co. (Log) B  
**N. H.—Lakeport**  
 Cole Mfg. Co. ....A  
**N. J.—High Bridge**  
 Taylor Iron & Steel Co. ....AAAA  
**N. J.—Newark**  
 Gould & Eberhard (Worm, etc.) .....A  
**N. Y.—Albany**  
 Townsend Fdry. & Mach. Shop Co. ....B  
**N. Y.—Brooklyn**  
 Bliss Co., E. W., 19 Adams (Cast Steel; Cut; Spur; & Pinions; Electric Railway) .....AAAA  
 New York Gear Wks., 57 Milton (Cut) .....C  
 Pioneer Mach. Wks. (Jas. Hartley, Prop.), 75 Delavan (Cut) .....B  
**N. Y.—Buffalo**  
 Buffalo Gear & Pattern Wks. 18 Elk (Cut) .....G  
 Noye Mfg. Co., 50 Lakeview Av. (Friction Clutch; Internal; Bevel; Cast; Mortise; Helical-Spur; Mitre) X  
 Pratt & Letchworth Co. (Cast; Steel) .....AAA  
 Queen City Engineering Co., 49 Illinois (Hydraulic Steering) .....C  
**N. Y.—Catskill**  
 Catskill Fdry. & Mach. Wks. (& Pinions; Electric Railway) .....B  
**New York City**  
 Arthur Co. (Cut; Worm).A  
 Brown & Co., A. & F., 26 Cortlandt (Cut) .....A  
 Cornell, J. B. & J. M., 26th & 11th Av. (Cast Iron)AA  
 Cresson Co., Geo. V., 141 Liberty (Cut; Machine Moulded; Bevel; Cast; Rawhide) .....AA  
 Dodge Mfg. Co., 45 Dey.. AAA  
 Durke & Co., Chas. D. (Marine; Steering) .....B  
 Falls Rivet & Mach. Co., 208 Fulton .....A  
 Shriver & Co., T., 333 E.

**GEARS (Con.)**

56th (Machine Moulded) A  
**N. Y.—Rochester**  
 Gleason Wks. (Automobile; Automobile Equalizing; Machine Moulded; Rawhide; Compensating Bevel) .....AA  
 Sager Gear Co. (Changeable for Bicycles) .....X  
**N. Y.—Syracuse**  
 Franklin Mfg. Co., H. H. O. New Process Rawhide Co., 248 W. Washington (Internal; Cut Rawhide; Spur; Automobile; & Pinions; Electric Railway).B  
**OHIO—Canton**  
 Aultman Co. ....A  
**OHIO—Cincinnati**  
 Dodge Mfg. Co., 128 W. 3rd AAA  
 Greenwald Co., I. & E., 720 E. Pearl (Cut; Machine Moulded; Cast) .....A  
 Straub Mchry. Co., 1956 W. 6th (Mill) .....C  
**OHIO—Cleveland**  
 Bartlett & Snow Co. ....A  
 Bultman & Co., F. H., 106 Canal (Internal; Spur; Worm) .....F  
 Cleveland Gear Wks., 86 Seneca (Cut; & Pinions, Electric Railway) .....A  
 Federal Mfg. Co. (Automobile Equalizing) .....AAAA  
 Horsburgh & Scott, 108 Canal (Cut; Rawhide; Spur; & Pinions, Electric Railway) .....B  
 Van Dorn & Dutton Co., 1798 E. Madison Av. (Cut; Spur; & Pinions, Electric Railway) .....B  
**OHIO—Columbus**  
 Case Mfg. Co. (Compensating Bevel; Rawhide; Automobile; Equalizing) .A  
 Jeffrey Mfg. Co. ....AAAA  
**OHIO—Cuyahoga Falls**  
 Falls Rivet & Machine Co. (Cut) .....A  
**OHIO—Dayton**  
 Stillwell-Bierce & Smith-Valle Co. (Cut; Bevel; Friction Clutch; Cast; Mortise) .....AAAA  
**OHIO—Mansfield**  
 Ohio Brass Co. (Spur) .AA  
**OHIO—Springfield**  
 Leffel & Co., Jas. ....AA  
**OHIO—Toledo**  
 Milburn Wagon Co. (Lumber) .....AAA  
**OHIO—Portland**  
 Portland Iron Wks. (Inc.) .A  
**PA.—Allegheny**  
 Eagle Tool & Machine Co., 120 Sandusky (Cut; also Rask) .....F  
 National Gear Wheel & Fdry. Co. (Friction Clutch; Machine Moulded) B  
**PA.—Allentown**  
 Allentown Fdry. & Mach. Wks. Co. (Friction Clutch; Cast; Mortise) .A  
**PA.—Chambersburg**  
 Woods Sons, T. B. ....A  
**PA.—Chester**  
 Wetherill & Co., R. (Mill) AAAA  
**PA.—Muncy**  
 Sprout, Waldron & Co. (Mill) .....A  
**PA.—Philadelphia**  
 Albro-Clem Elevator Co. (Worm) .....A  
 Bilgram, Hugo, 440 N. 12th (Cut; Internal; Worm; Bevel) .....B  
 Brill Co., J. G. (Street Car; Running) .....AAAA  
 Chester Steel Castings Co., 407 Sansom (Bevel; Mitre) AAA  
 Cresson Co., Geo. V. (Mitre; Spur; Worm) .....AA  
 Davis, Rodney, 626 Race (All Kinds Cut) .....F



**GEARS (Con.)**

Earle Gear & Machine Co.  
(Automobile; Worm;  
Rawhide) .....D  
Harrington, Son & Co., Ed-  
win, 1505 Penn. Av. (Cut)  
AA  
Link Belt Engineering Co.,  
Nictown) .....A  
Morse, Williams & Co.,  
West End Trust Bldg.  
(Worm) .....AA  
Phila. Gear Wks., 127 N.  
7th (Cut) .....B  
Phila. Roll & Machine Co.  
(Cast; Cast Steel; Worm)  
A

Stow Flexible Shaft Co. . .B  
Wolf Co. (Cast) .....AA

**PA.—Pittsburg**

Fawcuss Machine Co., 2818  
Smallman (Steel; Iron;  
Bronze; Rawhide; Spur;  
Worm; & Pinions, Electric  
Railway; Automobile;  
Compensating Bevel; Ma-  
chine Moulded; Rawhide)  
B

Fischer Fdry. & Mach. Co.,  
S. 21st, cor. Mary .....A  
Garrison Fdry. Co. (Cast) .  
AAA

Jones & Laughlins Steel Co.  
(Cut) .....AAAA

Link Belt Engineering Co.,  
Park Bldg. ....A  
Mesta Machine Co., Lewis  
Bld. (Machine Moulded).  
AAA

Nuttall Co., R. D., Fayette  
& Garrison Pl. (Bevel;  
Mitre; Mortise; Spur, etc.;  
Cut; Worm; Automobile;  
& Pinions, Electric Rail-  
way; Fibre; Rawhide) . .A

Pittsburg Malleable Iron  
Co. (Spur) .....A

Pittsburg Steel Fdry., 541  
Wood .....AA

Simonds Mfg. Co., 25th &  
Liberty Av. (Cut; Spur;  
Worm; & Pinions, Elec-  
tric Railway) .....C

Sommerfield Mach. & Mfg.  
Co., 224 3rd Av. (Steel;  
Cast Iron; Brass Internal;  
Steel; Cast Iron; Brass  
Hobbed Worm) .....B

Union Fdry. & Mach. Co.,  
W. Carson (Cut; Internal;  
Machine Moulded; Worm)  
B

**PA.—Rankin Station**

Duquesne Forge Co. (& Pin-  
ions, Electric Railway) .A

**PA.—Reading**

Johnston Fdry. & Mach. Co.  
B

**PA.—South Bethlehem**

Bethlehem Fdry. & Mach.  
Co. (Cast) .....C

Bethlehem Steel Co. (Cast;  
Cast Steel; Forged Steel)  
AAAA

**PA.—Tamaqua**

Tamaqua Mfg. Co. (Mitre;  
Spur) .....B

**PA.—Wilkesbarre**

Vulcan Iron Wks. (Cut;  
Friction Clutch; Bevel;  
Steel; Mortise) .AAAA

**R. I.—Providence**

Brown & Sharpe Mfg. Co.,  
(Cut; & Pinions, Electric  
Railway; Compensating  
Bevel; Rawhide) .AAAA

Franklin Mach. Co., 189  
Charles .....A

Providence Machine Co.  
(Roving Frame) .....AA

Woonsocket Mach. & Press  
Co. (Roving Frame) .AA

**TENN.—Memphis**

Chickasaw Iron Wks. (Cut;  
Friction Clutch; Cast) .A

**VT.—Montpelier**

Lane Mfg. Co. (Cut; Bevel;  
Cast; Mortise) .....A

**WIS.—Kensha**

Bain Wagon Co. (Lumber)  
AAA

**WIS.—Madison**

Gisholt Mach. Co. ....AA

**GEARS (Con.)**

WIS.—Milwaukee  
Allis-Chalmers Co. .AAAA  
Falk Co., ft. 30th (Motor;  
& Pinions, Electric Rail-  
way) .....AAA  
Filler & Stowell Co., Becher,  
cor Yillmer (Mill) .....AAA  
Western Rawhide & Belting  
Co. (Rawhide; & Pinions,  
Electric Railway) .....A  
WIS.—Racine  
Freeman & Son Mfg. Co.,  
S. (Wind Mill Foot) . . .A

**GEESE**

N. J.—Newark  
Hess & Drake (Tailors') . .A  
TENN.—South Pittsburg  
Blacklock Fdy. (Tailors') .C  
TENN.—Union City  
Canvas Decoy Co. (Collap-  
sible Canvas Decoy) . . .E

**GELATINE**

CAL.—San Francisco  
Sherwood & Sherwood, 212  
Market .....AAA

**ILL.—Chicago**

Armour Glue Wks. 205 La  
Salle .....AAAA

Barrett & Co., M. L., 219  
Lake .....A

Lenfesty Milling Co., 27  
Mich. Av. ....C

Puhl-Webb Co., 119 W.  
Randolph .....C

Zinkelsen & Co., 25 E. Lake  
(Japanese) .....C

**MD.—Baltimore**

Imperial Mfg. Co., 113  
South .....F

**MASS.—Boston**

Amer. Glue Co., 415 Atlan-  
tic Av. ....AAAA

Plymouth Rock Gelatine Co.,  
68 Western Av. ....A

Swampscott Gelatine, 818  
State .....E

Whitten & Co., J. O., 68  
Western Av. ....A

**MASS.—Marblehead**

Marblehead Mfg. Co. ....C

**MASS.—Orange**

Whitman Grocery Co. ....C

MASS.—Swampscott  
Swampscott Gelatine Co.  
(Br. Boston, Mass.) . . .E

**MICH.—Delray**

Fishe Gelatine Wks. ....C

**MICH.—Detroit**

Mich. Carbon Wks., 5  
Front .....AAAA

**MO.—St. Louis**

Amer. Glue Co., 410 Elm  
(Br.) .....AAAA

Reardon Mfg. Co., Ft. Bre-  
men Av. ....B

**N. J.—Bordentown**

French Gelatine Co. ....D

**N. Y.—Gardenville**

Buffalo Gelatine Co. ....C

**N. Y.—Gowanda**

Amer. Tanners Glue Co.  
(for Confec. only) . . .AA

**N. Y.—Johnstown**

Knox, C. B. ....B

**New York City**

Armour & Co. (Br.), 178  
Duane .....AAAA

Beaumont, R. B., 125 Hud-  
son .....E

Behrend, F., 54 Front. . .D

Burnham Co., E. S., 61  
Gansevoort .....B

Coopers Glue Wks., Peter,  
13 Burling Slip .....AA

Cromwell, G., 136 Water. E  
Delke, Hy., 118 John . . .A

Duche & Sons, T. M., 101  
Water .....C  
Dunn, T. W., 47 Beek-  
man .....E  
Falcon Packg. Co., 158  
Franklin .....C  
Gardner & Bro., A. K., 99  
John .....D  
Hayes & Co., Jas. A., 105  
Hudson .....A  
Herzfelder, Bernhardt &  
Co., 93 Crosby .....C

## GELATINE (Con.)

Hewitt & Bros., C. B., 48  
Beekman .....A  
Hodge & Co., A., 8 Bridge.C  
Holthusen, A. G., 284 Pearl  
G  
Isaacs & Co., S., 299 Pearl  
F  
Kohnstamm & Co., H., 87  
Park Place .....AA  
Magnus, Saml., 101 Beek-  
man .....D  
Milligan & Higgins Glue Co.,  
222 Front .....B  
Putnam & Son, Thos. L., 170  
Front .....F  
Rogers & Pratt, 80 Maiden  
Lane .....A  
Waddell & Co., R. J., 52  
Beekman .....AA  
Valk & Bro., S. J., 158  
Franklin .....D  
Zinkelsen & Co., 28  
Cliff (Japanese) .....O  
N. Y.—Williamsville  
Chalmers' Son, Jas. ....B  
OHIO—Cincinnati  
B. & B. Gelatine Co., 3rd  
& Main .....B  
Kingery Mfg. Co., 181 E.  
Pearl .....D  
OHIO—Hamilton  
Berk. Kingery & Co. ....B  
PA.—Philadelphia  
Ceylon Spec. Co., 244 E.  
Pearl .....D  
Thayer & Co., P. W., 23 S.  
Front .....B  
Wetmore Mfg. Co., 1808  
N. Orianna .....B

## GENERATORS

See also Boilers; Machinery;  
Dynamos; For Acetylene  
Generators See Machines;  
Acetylene

CAL.—San Francisco  
Pacific Acetylene Gas. Co.  
(Gas Acetylene) .....G  
ILL.—Chicago  
Roth Bros. & Co. (Motor;  
Ringing) .....B  
Western Electric Co.  
(Street Railway) .....AAAA  
Western Telephone Mfg. Co.  
(Telephone) .....B  
Wilson & Co., F. C. (Gas,  
Acetylene) .....B  
IND.—Fort Wayne  
Fort Wayne Electric Corp'n.  
(Power) .....AAAA  
IND.—Indianapolis  
Atlas Engines Wks. (Steam)  
.....AAAA  
Commercial Electric Co.  
(Street Railway) .....A  
Jenney Electric Mfg. Co.  
(Multi-Polar; Street Rail-  
way) .....A  
IND.—Muncie  
Warner Electric Co. (Mo-  
tor; Power) .....B  
IOWA—Keokuk  
McElroy Iron Wks. Co.  
(Steam) .....F  
MD.—Baltimore  
Bartlett, Hayward & Co.  
(Gas) .....B  
Rosenberg Co., A. (Gas) ..H  
MASS.—Springfield  
Gilbert & Barker Mfg. Co.  
(Gas) .....A  
MASS.—Westfield  
Smith & Co., H. B.  
(Steam) .....AA  
MICH.—Grand Rapids  
Owen & Co., Geo. F. (Gas,  
Acetylene) .....E  
Wheeler Electric Co., M. B.  
(Gas, Acetylene) .....D  
MINN.—Minneapolis  
Howell & Co., R. R.  
(Steam) .....B  
N. J.—Bound Brook  
Amer. Engine Co. (Electric)  
.....AA  
N. Y.—Canandaigua  
Rush Acetylene Generator  
Co. (Acetylene Gas) ...X  
N. Y.—Geneva  
Herendeen Mfg. Co. (Gas.

## GENERATORS (Con.)

Acetylene) .....AA  
New York City  
Amer. Gas Furnace Co.  
(Gas) .....A  
Colt & Co., J. B. (Gas,  
Acetylene; Gas, Coal) ..B  
McGrane Acetylene Gas Co.  
(Gas, Acetylene) .....D  
Sprague Electric Co. (Elec-  
tric) .....AAAA  
N. Y.—North Tonawanda  
Armitage & Herschell Co.  
(Electric) .....B  
N. Y.—Oneida  
Ransom Gas Engine Co. of  
New York (Gas; Gaso-  
line) .....D  
N. Y.—Schenectady  
General Electric Co. (Elec-  
trolytic; Power) ..AAAA  
N. Y.—Troy  
Mahony Mfg. Co. (Steam)  
.....B  
Troy Laundry Mchry. Co.  
(Steam) .....AA  
OHIO—Akron  
Akron Electrical Mfg. Co.  
(Direct Connected) ....D  
Webster, Camp & Lane Ma-  
chine Co. (Electric).....  
AAAA  
OHIO—Cincinnati  
Triumph Electric Co. (Elec-  
tric; Power; Street Rail-  
way) .....A  
OHIO—Cleveland  
Elwell-Parker Electric Co.  
.....O  
National Acetylene Gas Co.  
(Gas, Acetylene) .....X  
Ohio Steam Generator Co.  
(Steam for Boilers) ...B  
OHIO—Dayton  
Thresher Electric Co.  
(Belted; Direct Con-  
nected) .....X  
PA.—Erie  
Keystone Electric Co.  
(Electric) .....B  
PA.—Pittsburg  
Riter-Conly Co. (Gas) .AAA  
Westinghouse Electric &  
Mfg. Co. (Electric) ....  
AAAA  
PA.—Wilkesbarre  
Vulcan Iron Wks. (Steam)  
.....AAAA  
R. I.—Providence  
Almy Water Tube Boiler  
Co. (Steam) .....A  
VT.—Rutland  
Stoddard Mfg. Co. (Steam)  
.....B  
W. VA.—Charleston  
Ward, Chas. (Steam) ....B  
WIS.—Milwaukee  
Allis-Chalmers Co. (Gas)..  
AAAA

## GENOFORM

New York City  
Bischoff & Co., C., 88  
Park Pl. ....B

## GIGS

See also Carriages & Wagons

MASS.—Boston  
Stoddard, Haserick, Rich-  
ards & Co., 152 Congress  
(Teasel) .....B  
MASS.—Worcester  
Cleveland Machine Wks.  
(Teasel) .....A  
Curtis & Marble Machine  
Co. (Teasel) .....A  
OHIO—Steubenville  
Means Fdry. & Machine Co.  
.....C  
VT.—Springfield  
Parks & Woolson Machine  
Co. (Teasel) .....B

## GILLS

See also Machy.

MASS.—Boston  
Riley & Co., C. E., 65  
Franklin (Preparing; Fin-

**GILLS (Con.)**

ishing) ..... A  
**MASS.—Lowell**  
 Bagshaw, W. H. .... B  
 Dean, John M. (Rotary). F  
 Lowell Machine Shop (Pre-  
 paring; Finishing). AAAA  
**M. J.—Newark**  
 Crabb & Co., Wm. .... A  
 E. I.—Pawtucket  
 Atherton Machine Co., A.  
 T. (Preparing; Finishing) B

**GIMLETS**

**CONN.—Centrebrook**  
 Connecticut Valley Mfg. Co. B  
**CONN.—Chester**  
 Chester Mfg. Co. .... G  
 Deuse, J. S. .... E  
**CONN.—Seymour**  
 Garrett & Beach .... E  
 Swan Co., Jas. .... A  
**MASS.—Fiskdale**  
 Snell Mfg. Co. (Bell  
 Hanger) ..... B  
**MASS.—Greenfield**  
 Goodell-Platt Co. .... B  
**MASS.—Shelbourne Falls**  
 Mayhew Co., H. H. .... D  
 New York City  
 Jennings & Co., C. E., 101  
 Reade ..... B  
 Russell & Erwin Mfg. Co.,  
 43 Chambers ..... AAAA  
**OHIO—Cincinnati**  
 Cinn. Tool Co. .... A  
**PA.—Philadelphia**  
 Stortz & Son, Jno. .... F

**GIMPS**

See also Trimmings; Uphol-  
 stery

**CONN.—Bridgeport**  
 Salts' Textile Mfg. Co. .... A  
**MASS.—Boston**  
 Ziegler & Sons Co., Alfred  
 (Silk) ..... A  
**MASS.—Lynn**  
 Parker Bros. Mfg. Co.  
 (Leather) ..... E  
**MASS.—Worcester**  
 Wilter & Co., H. M. (Cot-  
 ton) ..... B  
**N. Y.—Long Island City**  
 Astoria Silk Wks. .... AAAA  
 New York City  
 Elfert, Henry F., 284 4th  
 Av. (Leather) ..... F  
 Ellison & Co., A. S. (Silk) B  
 Federal Leather Co. (56  
 Union Sq. E. (Upholstery) D  
 Siegman & Well, 110 Greene  
 (Tinsel) ..... A  
 Union Upholstery Trimming  
 Co. (Furniture) ..... D  
**N. Y.—Tottenville**  
 Barnard, Bella F. (Silk) .. B  
**PA.—Philadelphia**  
 Brooks & Son, Geo., West-  
 minster Av. & 55th  
 (Furniture) ..... B  
 Eastlake Mfg. Co., Adams  
 & Leiper (Cotton; Furni-  
 ture) ..... A  
 Horstmann Co., Wm. H.  
 (Silk) ..... AAAA  
 Loeb, Lippen & Co. (Cotton;  
 Silk; Undertakers') .... A  
 Wright & Co., S. D. (Furni-  
 ture; Undertakers') .... D

**GINGER**

See also Teas; Coffees &  
 Spices. For Ginger Ale  
 see Ale

**ILL.—Chicago**  
 Puhl-Webb Co. (Jamaica). A  
**MD.—Baltimore**  
 Cook & Co., R. W.  
 (Jamaica) ..... D  
 Crawford Co., W. H.  
 (Jamaica) ..... E  
 Beach & Olaridge Co.  
 (Jamaica) ..... B

**GINGER (Con.)**

McCormick & Co. (Jamaica) D  
**MASS.—Boston**  
 Potter Drug & Chemical  
 Corp. (Jamaica) ..... A  
**MICH.—Saginaw**  
 Ferrell & Co., A. T.  
 (Jamaica) ..... B  
**MO.—St. Louis**  
 Bayle, Geo. A. (Jamaica,  
 Essence) ..... B  
**N. Y.—Brooklyn**  
 Wiarda & Co., Jno. C. ... AA  
 New York City  
 Archibald & Lewis  
 (Jamaica) ..... C  
 Hazard & Co., E. C., 117  
 Hudson (Jamaica) ... AA  
 Schultze Co., A. H., 198  
 W. B'way (Jamaica) ... X  
**OHIO—Newark**  
 Styron, Beggs & Co.  
 (Jamaica) ..... A  
**PA.—Philadelphia**  
 Favorite Mfg. Co. (Jamaica) C

**GINGHAMS**

See Cotton Goods

**GIN**

See Liquors

**GINS**

See also Machy.; Agr. Imps.

**ALA.—Prattville**  
 Pratt Gin Co., Daniel (Cot-  
 ton) ..... AAAA  
**CONN.—Branchville**  
 Gruman, G. G. (Ice  
 Hoisting) ..... F  
**CONN.—New London**  
 Brown Cotton Gin Co.  
 (Cotton) ..... AA  
**GA.—Atlanta**  
 Van Winkle Gin & Machine  
 Co., E. (Cotton) ... AAAA  
**KY.—Louisville**  
 Avery & Sons, B. F. (Cot-  
 ton) ..... AAA  
**LA.—Amite City**  
 Gullett Gin Co. (Cotton) .. A  
**MASS.—Arlington**  
 Wood & Co., W. T. (Ice  
 Hoisting) ..... A  
**MASS.—East Bridgewater**  
 Carver Cotton Gin Co. (Cot-  
 ton) ..... A  
**MO.—St. Louis**  
 Kingsland Mfg. Co. (Cotton) B  
**PA.—Waynesboro**  
 Frick Co. (Cotton) ... AAAA  
**S. C.—Charleston**  
 Valk & Murdoch Iron Wks.  
 (Cotton) ..... B  
**VA.—Norfolk**  
 White & Bro., S. R. (Cot-  
 ton) ..... A

**GIRDERS**

See also Beams; Iron & Steel

**IOWA—Clinton**  
 Clinton Bridge & Iron Wks.  
 (Steel) ..... AA  
**IOWA—Des Moines**  
 Des Moines Bridge & Iron  
 Wks. (Steel) ..... B  
**MASS.—Boston**  
 Boston Bridge Works, 47  
 Winter ..... AA  
**MASS.—Holyoke**  
 Walsh's Holyoke Steam  
 Boiler Wks. (Iron) ... D  
**MO.—St. Louis**  
 Christopher & Simpson  
 Arch. Iron & Fdry. Co.  
 (Riveted) ..... AA  
**NEBR.—Omaha**  
 Paxton & Vierling Iron  
 Wks. (Steel) ..... AA  
**OHIO—Girard**  
 Girard Boiler & Mfg. Co.  
 (Steel) ..... D  
**PA.—Philadelphia**  
 Belmont Iron Wks. (Riv-  
 eted) ..... AA

**GIRDERS (Con.)**

**PA.—Pittsburg**  
**McClintic-Marshall Construction Co.** .....AA  
**Ritter-Conley Mfg. Co.**  
 (Lattice) .....AAA

**GIRDLES**

**IND.—Vincennes**  
**Vincennes Novelty Mfg. Co.** D  
**MASS.—Springfield**  
**Bay State Corset Co.** ....A  
**N. J.—Newark**  
**Delsarte Mfg. & Supply Co.**  
 (Bust) .....D

**GIRTHS**

See also Harness

**KY.—Louisville**  
**Louisville Girth & Blanket Mills (Saddle)** .....O  
**N. J.—Newark**  
**Peters' Harness & Saddlery Co. (Saddle)** .....C  
**N. Y.—Buffalo**  
**Buffalo Weaving & Belting Co. (Saddle)** .....A  
**E. I.—Woonsocket**  
**Perforated Pad Co. (Saddle)** B

**GLASS**

See also Glassware

**CAL.—San Francisco**  
**Schmits & Hopps, 62 8th (Leaded)** .....F  
**COLO.—Denver**  
**Baker, James W., 1836 Champa (Leaded)** .....H  
**DEL.—Wilmington**  
**Christiana Window Glass Co. (Window)** .....B  
**ILL.—Chicago**  
**Amer. Luxfer Prism Co., 346 Wabash Av. (Prismatic)** .....B  
**Brown Bros. Mfg. Co., 22d & Campbell Av. (Prismatic)** .....B  
**Chicago Sidewalk Light Co., 101 Washington (Prismatic)** .....F  
**Dauchy Iron Wks., 88 Illinois (Prismatic)** ....B  
**Flanagan & Biedenweg Co., 57 to 63 Illinois (Leaded; Ornamental)** .....A  
**Ford Bros., 234 5th Av. (Leaded)** .....D  
**Kinsella Co., John J. (French Mirror; Plate; Art)** .....A  
**McCully & Miles Co., 88-90 Wabash Av. (Leaded; Mosaic; Stained)** .....X  
**Schuler & Mueller Co., cor. Madison & Canal (Leaded; Ornamental)** .....D  
**Suess Ornamental Glass Co., 54 N. Clinton (Art)** ....D  
**Western Sand Blast Mfg. Co., cor. Clinton & Jackson (Chipped; Leaded; Ornamental; Sand Blast; Stained)** .....C  
**ILL.—Ottawa**  
**Peltier Bros. Glass Co. (Opalescent; Rough Ribbed; Figured Rolled Plate)**...X  
**ILL.—Streator**  
**Western Glass Co. (Window)** .....D  
**IND.—Anderson**  
**Anderson Mirror & Bent Glass Wks. (Bent)** ....E  
**IND.—Arcadia**  
**Baker Bros. Glass Co. (Window)** .....C  
**IND.—Dunkirk**  
**Dunkirk Window Glass Co. (Window)** .....A  
**IND.—Eaton**  
**Baur Window Glass Co. (Window)** .....X  
**IND.—Gas City**  
**Amer. Window Glass Co. (Window)** .....X  
**Diamond Window Glass Co.**

**GLASS (Con.)**

(Window) .....A  
**IND.—Hartford City**  
**Hartford City Flint Glass Co. (Window; Chipped; Ground)** .....B  
**Snead Glass Co. (Vault; Sidewalk)** .....B  
**IND.—Kokomo**  
**Opalescent Glass Wks. (Cathedral; Rough Plate; Tile; Opalescent; Rough; Ribbed; Figured Rolled Plate; Vault; Sidewalk)**B  
**IND.—Marion**  
**Canton Glass Co. (Pressed Light; Vault; Sidewalk)** B  
**Estep Glass Co. (Window)** X  
**IND.—Matthews**  
**Crown Glass Co. (Window)** X  
**La Ruche Window Glass Co. (Window)** .....D  
**Progress Window Glass Co. (Window)** .....D  
**Star Co-oper. Glass Co. (Window)** .....X  
**Van Camp Glass Co. (Window)** .....B  
**Winslow Glass Co. (Window)** .....B  
**IND.—Montpelier**  
**National Window Glass Co. (Window)** .....B  
**IND.—New Albany**  
**Ohio Falls Co-oper. Window Glass Co. (Window)** B  
**IND.—Pendleton**  
**Pendleton Window Glass Wks. (Window)** .....D  
**KY.—Louisville**  
**Louisville Silvering & Beveling Co. (Mirror)** ....B  
**MD.—Baltimore**  
**Baker Bros. & Co. (Window)** A  
**Chaudron & Peyton (Chipped)** .....E  
**King & Bro., Wm., 113 W. Fayette (Window)** .....X  
**Swindell Bros., cor. Bayard & Russell (Window)** ...A  
**MASS.—Boston**  
**Crosby Steam Gauge & Valve Co. (Scotch Gauge)** ...AA  
**Redding, Baird & Co., 88 Franklin (Leaded; Ornamental; Prismatic; Baird's Hand-made Silver; Embossed; Jewelled; Mosaic; Stained; Enamelled)**...B  
**MASS.—New Bedford**  
**Smith Bros. (Mosaic)** ....X  
**MASS.—Somerville**  
**Union Glass Co. (Art)**...B  
**MICH.—Detroit**  
**Fredericks & Wolfram, 107 Gratiot Av. (Leaded)** ...E  
**Windman & Co., C. D. (Mirror)** .....A  
**MICH.—Jackson**  
**Jackson Glass Wks. (Mirror)** .....B  
**MICH.—Saginaw**  
**Saginaw Plate Glass Co. (Window)** .....AA  
**MO.—St. Louis**  
**Daylight Prism Co. of Mo., Carleton Bldg. (Prismatic)** F  
**Mississippi Glass Co. (Cathedral; Rough Plate; Tile; Rolled; Maze Pattern; Ribbed; Figured Rolled Plate; Wire, for Fire-Proofing Windows; Wire Skylight)** .....AA  
**Missouri Glass Co. (Mirror)** A  
**Oriel Glass Co. (Bent; Plate)** .....B  
**Wallis, A. H., 2000-2002 Locust (Leaded)** .....D  
**N. J.—Bridgeton**  
**Cumberland Glass Mfg. Co. (Window)** .....B  
**More-Jonas Glass Co. (Inc.) (Window)** .....X  
**N. J.—Newark**  
**Harpe Bros., 927 Broad**

# GLASS (Con.)

(Leaded) .....H  
**N. J.—Paterson**  
 Payne, Geo. H., 217 Market  
 (Leaded) .....F  
**N. J.—Trenton**  
 Golding Sons Co. (Ground)  
 AA  
**N. Y.—Brooklyn**  
 Dannenhoffer Glass Wks.,  
 Jno., 389 Harmon (Cath-  
 edral; Rough Plate; Tile;  
 Rough; Ribbed; Figured  
 Rolled Plate) .....B  
 Donnelly Co., J. R. (Air  
 Port; Bevelled Plate; Mir-  
 ror) .....D  
 Heldt, Jno. B., 278 Boerum  
 Pl. (Cathedral; Rough  
 Plate; Tile; Opalescent;  
 Ground) .....D  
 Jones Decorative Glass Co.,  
 Thos., Hudson Av. &  
 Concord (Decorated; Lead-  
 ed) .....C  
 Wiarda & Co., Jno. C.  
 (Ground) .....AA  
**N. Y.—Canastota**  
 Canastota Glass Co. (Win-  
 dow) .....E  
**N. Y.—Durhamville**  
 Durhamville Glass Mfg. Co.  
 (Window) .....X  
**N. Y.—Elmira**  
 Elmira Glass Cutting Co.  
 (Window) .....E  
**N. Y.—Ithaca**  
 Ithaca Glass Mfg. Co.  
 (Window) .....D  
 Mutual Glass Co. (Window)  
 D  
**New York City**  
 Bache, Semon & Co., 7  
 Laight (Camera) .....AA  
 Carr-Lowrey Glass Co., 290  
 B'way (for Engineering  
 Specialties) .....B  
 Cowens Son, Newman  
 (Window) .....A  
 Decorative Stained Glass Co.  
 (Mirror) .....F  
 Gelsler, R., 56 W. 8th  
 (Leaded) .....F  
 Henderson Bros., 343 W.  
 37th (Leaded; Orna-  
 mental) .....X  
 Kahn, Jacques (Mirror) AA  
 Lamb, J. & R., 59 Carmine  
 (Embossed; Jewelled;  
 Enamelled; Mosaic;  
 Stained) .....D  
 N. J. Fdry. & Machine Co.,  
 9 Murray (Prismatic) D  
 N. Y. Prism Co., 473 B'way  
 (Prismatic) .....E  
 Popper & Sons, Leo., 7 Sulli-  
 van (Opalescent; Jew-  
 elled) .....A  
 Potts Bros., 116 Walker  
 (Mitre Cut) .....F  
 Rae & Co., G., 436 W.  
 B'way (Leaded) .....F  
 Righter & Kolb, 156 5th  
 Av. (Leaded) .....E  
 Splers, Richard N., 859 6th  
 Av. (Leaded) .....D  
 Stoltzenberg Co., 51 Bar-  
 clay (Stained; Leaded) B  
**N. Y.—Syracuse**  
 Wood Glass Co., 226 N. Sa-  
 lina (Leaded; Ornamen-  
 tal; Window) .....C  
**OHIO—Barnesville**  
 Barnesville Glass Co. (Inc.)  
 (Window) .....A  
 Eastern Ohio Glass Co.  
 (Window) .....B  
**OHIO—Bellair**  
 Rodefer, T. A. (Opalescent;  
 Pressed Light; Prismatic  
 for Architectural Iron  
 Works; Tiling, for Archi-  
 tectural Iron Works) AA  
**OHIO—Cincinnati**  
 Riordan & Co., G. C., 133 E.  
 5th (Leaded) .....D  
**OHIO—Cleveland**  
 Cleveland Window Glass  
 Co., 232 Champlain (Win-  
 dow; Prismatic) .....A  
 Solar Prism Co., Card Bldg.  
 (Prismatic) .....B

# GLASS (Con.)

**OHIO—Columbus**  
 Columbus Plate & Window  
 Glass Co. (Window) ...B  
 Independent Window Glass  
 Co. (Window) .....AA  
**OHIO—Dayton**  
 Dayton Art Glass Wks.  
 (Church Art) .....H  
 Stevens Art Glass Co.  
 (Leaded) .....A  
**OHIO—Findlay**  
 Globe Window Glass Co.  
 (Window) .....D  
**OHIO—Quaker City**  
 Cochran, Alex. (Window) B  
**OHIO—Rossford**  
 Ford Plate Glass Co., Edw.  
 (Window) .....B  
**PA.—Beaver Falls**  
 Co-operative Flint Glass Co.  
 (Vault; Sidewalk) ....A  
**PA.—Bradford**  
 Tuna Glass Co. (Window) B  
**PA.—Butler**  
 Standard Plate Glass Co.  
 (Bent; Cathedral; Rough;  
 Plate; Tile; Ground) ...  
 AAAA  
**PA.—Covington**  
 Covington Glass Wks. (Win-  
 dow) .....D  
**PA.—Dubois**  
 Mahler Glass Co., J.  
 (Window) .....B  
**PA.—Falls Creek**  
 Fitzpatrick Glass Mfg. Co.,  
 (Window) .....AA  
 Gray & Son (Cathedral;  
 Rough Plate; Tile; Win-  
 dow) .....D  
**PA.—Harrisburg**  
 Rudy Co., C. D. (Art,  
 Stained) .....C  
**PA.—Hazelhurst**  
 Healy Window Glass Co.  
 (Window) .....B  
**PA.—Jeanette**  
 McKee-Jeanette Glass Co.  
 (Window) .....B  
**PA.—Mt. Jewett**  
 Boyd Glass Co. (Window)  
 B  
**PA.—New Bethlehem**  
 New Bethlehem Window  
 Glass Co. (Window) ...B  
**PA.—New Eagle**  
 Monongahela Window Glass  
 Co. (Window) .....D  
**PA.—Philadelphia**  
 Amer. Prismatic Light Co.,  
 48 N. 11th (Prismatic) D  
 Davlight Glass Mfg. Co.,  
 Bourse Bldg. (Prismatic)  
 B  
 Dukes Glass Wks., Hy.  
 (Stained) .....D  
 French & Co., Saml. H.  
 (Leaded; Embossed) ...A  
 Gillinder & Sons, (Inc.) 135  
 Oxford (for Engineering  
 Specialties; Opalescent) A  
 Groves, R. S. (Stained) D  
 Lucas & Co., Jno., 322 Race  
 (Window) .....AA  
 Whitall Tatum Co., 410  
 Race (for Elec. & Chem-  
 ical Use; for Engineer-  
 ing Specialties) .....AAAA  
 Young, W. C. (Imitation,  
 Stained) .....F  
**PA.—Pittsburg**  
 American Window Glass Co.  
 (Window) .....X  
 Campbell Co., T. (Window)  
 H  
 Commercial Glass Co. (Art)  
 B  
 Cunningham Glass Co., D.  
 O., 123 S. 26th (Window)  
 AA  
 Cunningham's & Co. (Ltd.)  
 (Window) .....A  
 McKee Glass Co., S., S. 13th  
 & Carson (Window) D  
 National Glass Co., 806  
 Penn Av. (Pressed Light;  
 Vault; Sidewalk) ....X  
 Penn-Amer. Plate Glass Co.  
 (Bent) .....AAAA  
 Pittsburg Plate Glass Co.  
 (Window; Bent; Cath-  
 edral; Rough; Rough

**GLASS (Con.)**

Plate; Tile) .....AAAA  
 U. S. Glass Co. (Window) .....AAAA  
 Wightman Glass Co., Thos.,  
 104 Woods (Window) AA  
**PA.—Smethport**  
 Smethport Glass Co. (Win-  
 dow) .....A  
**PA.—Spring City**  
 Phila. Window Glass Co.  
 (Window) .....D  
**PA.—Washington**  
 Highland Glass Co. (Cath-  
 edral; Rough Plate; Tile)A  
 Pittsburgh Window Glass Co.  
 (Window) .....A  
**PA.—Wilcox**  
 Diamond Glass Co. (Win-  
 dow) .....A  
 George Window Glass Co.  
 (Window) .....C  
**E. I.—Providence**  
 Gorham Mfg. Co. (Stained) .....AAAA  
**W. VA.—Morgantown**  
 Pressed Prism Plate Glass  
 Co. (Prismatic) .....B

**GLASSES**

See also Optical Goods;  
 Mirrors

**CONN.—Meriden**  
 Meriden Britannia Co.  
 (Reading) .....AAAA  
**CONN.—New Britain**  
 Stanley Rule & Level Co.  
 (Level) .....AAA  
**CONN.—Pine Meadow**  
 Chapin-Stephens Co. (Level) .....A

**ILL.—Chicago**  
 Fowler, E. S. & W. S.  
 (Eye; also Spectacles) D  
 Gordon & Morrison (Smoked  
 Eye) .....A  
 Young & Co., Otto (Eye;  
 also Spectacles; Blue Eye) .....AAAA

**MASS.—Boston**  
 Crosby Steam Gauge &  
 Valve Co., 95 Oliver  
 (Gauge, Red Reflecting  
 Imported; Gauge, Scotch) .....AA

**MASS.—Leominster**  
 Wetherbee, John W. (Eye;  
 also Spectacles) .....G

**MASS.—Southbridge**  
 Amer. Optical Co. (Eye;  
 also Spectacles) .....AAA

**MICH.—Detroit**  
 Black & Co., L. (Eye; also  
 Spectacles) .....B  
 Johnson Optical Co. (Eye;  
 also Spectacles; Magnify-  
 ing; Reading; Watchmak-  
 ers') .....A  
 Moore & Son, E. C., 103  
 Miami Av. (Magnifying) .....F

**MICH.—Grand Rapids**  
 Nelson-Matter Furniture Co.  
 (Cheval) .....AA  
 Royal Furniture Co. (Che-  
 val) .....A  
**N. H.—Tilton**  
 Lord Optical Co., Albert C.  
 (Eye; also Spectacles;  
 Blue Eye; Smoked Eye) .....H

**N. Y.—Brooklyn**  
 Donnelly & Co., J. R. (Che-  
 val) .....D  
 Green, Henry J. (Opera) ..X  
**N. Y.—Geneva**  
 Geneva Optical Co. (Eye;  
 also Spectacles) .....D  
 Standard Optical Co. (Eye;  
 also Spectacles) .....A  
**New York City**  
 Fradley & Co. (Inc.), J. F.  
 (Opera) .....E  
 Gregg, Wm. F. (Pick) ...F  
 Hagerty Bros. & Co. (Grad-  
 uated) .....A  
 Herter Bros. (Inc.) (Cheval) .....D  
 Hill Glass Co., 75 Nassau  
 (Watch; Clock) .....F  
 Keuffel & Esser Co., 127

**GLASSES (Con.)**

Fulton (Opera; Level;  
 Field) .....AA  
**King Optical Co., Julius, 4**  
 Maiden Lane (Field; Ma-  
 rine; Opera) .....A  
 McAllister, T. H., 49 Nas-  
 sau (Marine; Opera;  
 Field) .....B  
 Meyrowitz, E. B. (Eye; also  
 Spectacles) .....A  
 Pottier & Stymus Co. (Che-  
 val) .....D  
 Schwarzwaelder & Co., Wm.  
 (Cheval) .....X  
 Seymour, Ernest, 60 Nassau  
 (Watch; Clock) .....X  
 Souto & Co., B. (Cheval)B  
 Spencer Optical Co., 12  
 Maiden Lane (Eye; also  
 Spectacles; Field; Magni-  
 fying; Marine; Opera;  
 Reading; Spy) .....C  
 Swain & Son (Inc.), H. C.  
 (Cheval) .....D  
**N. Y.—Rochester**  
 Bausch & Lomb Optical Co.  
 (Field; Marine; Opera;  
 Magnifying; Eye; also  
 Spectacles) .....AAA  
**OHIO—Cincinnati**  
 Lunkenheimer Co., Beekman  
 & Waverly (Gauge; Red  
 Reflecting; Imported;  
 Gauge; Scotch) .....AA  
 Mitchell Furniture Co.,  
 Robert (Cheval) ..AAAA  
**OHIO—Cleveland**  
 Warner & Swasey (Field;  
 Marine; Opera) .....A  
**PA.—Philadelphia**  
 Belfield & Co., H., 435 N.  
 Broad (Gauge; Red Re-  
 flecting; Imported;  
 Gauge; Scotch) .....AA  
 Burgin & Sons Glass Co.  
 (Graduated) .....A  
 Diaston & Sons, Henry  
 (Level) .....AAAA  
 McIntire, Magee & Brown  
 (Spy) .....A  
 National Optical Co. (Eye;  
 also Spectacles) .....B  
**PA.—Reading**  
 Willson & Co., T. O. (Eye;  
 also Spectacles) .....AA

**GLASSWARE**

**CONN.—Danbury**  
 Handel Co. (Art) .....X  
**CONN.—Meriden**  
 Bergen Co., J. D. (Cut) ...A  
 International Silver Co.  
 (Cut) .....AAAA  
 Monroe Co., C. F. (Art) ..A  
**ILL.—Chicago**  
 Adams & Westlake Co., On-  
 tario & Franklin (Rail-  
 road; Lamp; Lantern) .....AAAA  
 Burley & Tyrrell, 238 Adams  
 (Cut) .....A  
 Burley & Co., 120 Wabash  
 Av. (Bar) .....AA  
 Peck & Co., Albert, 199 E.  
 Rand (Bar) .....A  
 Pitkin & Brooks, 60 Lake  
 (Cut) .....A  
 Foster & Co., A. M., 120  
 Lake (Druggists) .....A  
 Roch & Co., E. J., 40  
 State (Cut) .....C  
**IND.—Alexandria**  
 Lippincott Glass Co. (Chem-  
 ists) .....A  
**IND.—Hartford City**  
 Sneath Glass Co. (Fancy  
 Colored) .....B  
**IND.—Marion**  
 Canton Glass Co. (Bar;  
 Chemical; Druggists) ..B  
**IND.—Muncie**  
 Hemingrey Glass Company  
 (Blown; Pressed Flint) .....AA  
**MD.—Baltimore**  
 Baker Bros. & Co. (Chem-  
 ists) .....A  
**MD.—Cumberland**  
 Maryland Glass Etching  
 Works (Bar; Ornamental) C

**GLASSWARE (Con.)****MASS.—Boston**

Dean, Foster & Co., 14  
Blackstone (Druggists') AA

**MASS.—New Bedford**

Blackner Co., A. L. (Cut). B  
Mt. Washington Glass Co.  
(Cut) ..... X  
Fairpoint Corporation (Cut) AA  
Smith Bros. (Fancy Colored) X

**MASS.—Somerville**

Union Glass Co. (Chemists') B

**MICH.—Lansing**

American Cut Glass Co.  
(Cut) ..... D

**MINN.—Red Wing**

Red Wing Stoneware Co.  
(Chemists') ..... A

**M. J.—Flemington**

Empire Cut Glass Co. (Cut) D

**M. J.—Newark**

Newark Cut Glass Co. (Cut) C

Smith, M. A. (Bent Plate) D

Unger Bros. (Cut) ..... A

**N. Y.—Brooklyn**

Dannenhoffer Glass Works,  
Jno. (Pressed Flint) ... B

**N. Y.—Corning**

Corning Glass Wks. (Blown;  
Cut; Pressed Flint) ... A

Egginton Co., O. F. (Cut) E

Hawkes & Co., Thos. G.  
(Cut) ..... A

Hoare & Co., J. (Cut) ... A

Hunt & Sullivan (Cut) ... D

Ahrenfeldt & Son, Chas., 50  
Murray (Decorated) ... B

Alford & Co., C. G., 11  
John (Cut) ..... A

Bawo & Dotter, 26 Barclay  
(Art Decorated) ..... AA

Brookfield Glass Co., 220  
B'way (Pressed Flint) ... B

Davison Bros., 12 Barclay  
(Art Decorated) ..... B

Dorflinger & Sons' Co., 36  
Murray (Cut) ..... D

Durand, Paul, 41 Warren  
(Art) ..... X

Dwenger, C. L., 35 Park  
Pl. (Decorated Art) ... D

Elmer & Amend (Chemists') AA

Greiner, Emil, 78 John  
(Scientific) ..... E

Hagerty Bros. & Co., 5  
Platt (Pressed Flint) ... A

Koscherak Bros., 33 Park  
Pl. (Bohemian) ..... E

Lum & Son, Wm. H., 46  
Murray (Cut) ..... F

Lazarus, Rosenfeld & Leh-  
mann, 62 Murray (Art  
Decorated) ..... B

Straus & Sons, L., 42 War-  
ren (Cut) ..... AAAA

**N. Y.—Port Jervis**

Brox & Ryall (Blown;  
Pressed Flint) ..... A

**N. Y.—Niagara Falls**

Co-operative Flint Glass Co.  
(Bar; Cut; Druggists')  
Table) ..... X

**OHIO—Bellair**

Bodefer, T. A. (Blown;  
Novelties; Pressed Flint) A

**OHIO—Bowling Green**

Ohio Cut Glass Co. (Cut) ... B

**OHIO—Bridgeport**

Crystal Glass Co. (Blown;  
Pressed Flint) ..... A

**OHIO—Cincinnati**

Tatam Co., Samuel C.  
(Blown) ..... B

**OHIO—Newark**

Heisey & Co., A. H. (Fancy  
Colored; Pressed Flint;  
Bar; Table) ..... A

**OHIO—Toledo**

Libbey Glass Co. (Blown;  
Cut; Pressed Flint) ... AA

**PA.—Beaver**

Co-operative Flint Glass Co.  
(Blown; Fancy Colored;

**GLASSWARE (Con.)**

Novelties; Pressed Flint) A

**PA.—Beaver Falls**

Merriman & Co., J. (Blown) A

**PA.—Coraopolis**

Consolidated Lamp & Glass  
Co. (Fancy Colored; Nov-  
elties) ..... A

**PA.—Grapeville**

Westmoreland Specialty Co.  
(Pressed Flint; Blown;  
Novelties) ..... A

**PA.—Hawley**

Maple City Glass Co. (Cut) B

**PA.—Honesdale**

Clark & Co., T. B. (Cut) ... B

Kelly & Steinwan (Cut) ... C

Krants, Smith & Co., (Cut) D

**PA.—Jeannette**

McKee-Jeannette Glass Co.  
(Blown; Fancy Colored;  
Novelties; Pressed Flint) B

**PA.—Philadelphia**

Burgin & Sons Glass Co.  
(Pressed Flint) ..... A

Fox & Sons, H. C. (Pressed  
Flint) ..... AA

French & Co., Samuel H.  
(Cut) ..... A

Fricke, Arthur (Fancy Col-  
ored) ..... C

Gill & Co. (Inc.) (Blown) A

Gillinder & Sons (Inc.), 135  
Oxford (Chemical; Drug-  
gists'; Car Lamp; Lan-  
tern; Blown; Novelties;  
Pressed Flint; Cut) ... A

Murray & Co., James J.  
(Blown; Pressed Flint) A

Quaker City Cut Glass Co.,  
1819 N. 5th (Cut) ..... A

Thomas Co., Arthur H.  
(Chemical) ..... B

Whitall, Tatum & Co.  
(Blown; Pressed Flint;  
Chemists') ..... AAAA

**PA.—Pittsburg**

Bryce Bros. Co. (Inc.)  
(Blown; Pressed Flint;  
Novelties) ..... A

Flaccus Glass Co., C. L.  
(Blown; Pressed Flint) AA

Macbeth-Evans Glass Co.  
(Blown; Pressed Flint) AAAA

Oriental Glass Co. (Pressed  
Flint) ..... C

Phoenix Glass Co. (Art;  
Blown; Cut; Fancy Col-  
ored; Novelties; Pressed  
Flint; Opalescent) ... A

U. S. Glass Co. (Chemists')  
Blown; Fancy Colored;  
Pressed Flint) ... AAAA

**PA.—Pittston**

Pittston Cut Glass Co. (Cut) D

**PA.—Tarentum**

Fidelity Glass Co. (Pressed  
Flint) ..... A

Tarentum Glass Co. (Blown;  
Fancy Colored; Novelties;  
Pressed Flint) ..... A

**PA.—Uniontown**

Uniontown Flint Glass Co.  
(Pressed Flint) ..... D

**PA.—Washington**

Duncan & Miller Glass Co.  
(Fancy Colored; Novelties;  
Pressed Flint) ... A

Perfection Glass Company  
(Pressed Flint) ..... A

**PA.—White Mills**

Dorflinger & Sons' Co. (Cut;  
Blown; Pressed Flint) AA

**R. I.—Providence**

Hope Glass Works (Cut) ... E

**W. VA.—Moundsville**

Fostoria Glass Co. (Fancy  
Colored; Cut; Pressed  
Flint; Table) ..... AAA

**W. VA.—Wheeling**

Central Glass Works (Inc.)  
(Blown; Cut; Fancy Col-  
ored; Novelties; Pressed  
Flint) ..... A

**GLASSWARE (Con.)**

**W. VA.—Wellsburg**  
 Eagle Glass & Mfg. Co.  
 (Cut; Fancy Colored;  
 Novelties) .....A  
 George Co., S. (Cut) .....A  
 Riverside Glass Wks. (Cut;  
 Blown; Fancy Colored;  
 Novelties; Pressed Flint)  
 C

**GLOBES**

See also Shades

**CONN.—Meriden**

Hall & Co., A. J. (Deco-  
 rated Gas Light) .....B

**ILL.—Chicago**

Andrews Co., A. H., 300  
 Wabash Av. (Celestial;  
 Terrestrial; Relief;  
 School) .....AA

Baggett Co., E. (Electric  
 Light; Glass; Cut Glass)  
 B

Union School Furnishing  
 Co., 211 E. Madison  
 (School) .....C

**IND.—Alexandria**

Lippincott Glass Co. (Lan-  
 tern; Lamp) .....A

**IND.—Hartford City**

Sneath Glass Co. (All Col-  
 ors Lantern; Semaphors)  
 B

**MASS.—New Bedford**

Smith Bros. (Cut Gas) ....X

**N. Y.—Albany**

Choate & Co., W. A.  
 (School) .....F

**N. Y.—Brooklyn**

Gair Co., Robert (Celestial;  
 Terrestrial; Relief) ....D

Williamsburg Flint Glass  
 Co., 260 Boerum (Lan-  
 tern) .....E

**New York City**

Bryan-Marsh Co., 136 Lib-  
 erty (Arc Lamp) .....B

Fensterer & Ruhe, 47 Mur-  
 ray (Gas Light) .....B

Gleason Mfg. Co., E. P.  
 (Electric Light; Lamp;  
 Gas) .....B

Gleason-Tiebout Glass Co.,  
 37 Murray (Gas) .....X

Holophane Glass Co., 15 E.  
 32d (Compound Prism;  
 for Increasing Illumina-  
 tion; Prismatic) .....D

Kirchberger & Co., M., 50  
 Warren (Incandescent  
 Gas Light) .....C

Phoenix Glass Co., 15 Mur-  
 ray (Electric Light; Cut  
 Gas) .....A

Schedler, Herman (Cele-  
 stial; Relief; Toy) .....E

**OHIO—Athens**

Hudson School Furniture  
 Co. (School) .....X

**OHIO—Bellairs**

Rodefer, T. A. (for Lan-  
 tern Mfrs. & Jobbers) ..A

**OHIO—Fostoria**

Fostoria Bulb & Bottle Co.  
 (Arc Lamp) .....A

**OHIO—Staubenville**

Gill Bros. & Co. (Lantern)  
 AA

**OHIO—Toledo**

Libbey Glass Co. (Lantern)  
 AA

**PA.—Beaver Falls**

Co-operative Flint Glass Co.  
 (Fish; Aquaria) .....A

**PA.—Philadelphia**

Gill & Co. (Inc.) (Electric  
 Light; Gas; Lamp; Deco-  
 rated Lamp) .....A

Gillinder & Sons (Electric  
 Light; Fish; Aquaria; Cut  
 Gas; Decorated Lamp) ..A

Murray & Co., James J.,  
 Trenton Av., Willard &  
 Collins (Lantern; Electric  
 Light; Cut Gas; Lamp) ..A

Whitall, Tatum & Co. (Fish;  
 Aquaria) .....AAAA

**PA.—Pittsburg**

McKee Glass Co., S., 13th  
 & Carson (Lantern; Fish;  
 Aquaria) .....D

**GLOBES (Con.)**

Macbeth-Evans Glass Co.,  
 18th & Josephine (Lan-  
 tern) .....AAAA  
 Wormser Glass Co., 2d &  
 Sylvan Av. (Lantern; 871  
 A Globules) .....X

**GLOBULES****N. Y.—Brooklyn**

Bishoff, F. (Homoeopathic)  
 B

**GLOVES & MITTENS****CAL.—Napa**

Raymond & Williams (Un-  
 lined; Lined) .....C

**CAL.—Oakland**

Hodkins Co., M. W. (Buck;  
 Calf; Goat; Horsehide;  
 Kid; Dog; Gloves; Mit-  
 tens; Gauntlets) .....D

**CAL.—San Francisco**

Bloch, H. & L. (Pacific  
 Glove Wks.) (Leather) ..A

Blumenthal & Co., B. (of  
 all descriptions) .....A

Busby, Fred H. (Gloves) ..C

Carson Glove Co. ....C

Conklin & Co., F. G. (Buck;  
 Horse; Sheepskin Gloves)  
 C

Crocker & Laws (Gloves;  
 Gauntlets) .....D

Heineman, H. M. (Gloves)  
 B

Lewis & Co., E. (Standard  
 Glove Works) (Gloves) ..D

Newman & Franklin (Glove  
 Co.) (Gloves) .....D

**CONN.—New Haven**

Seamless Rubber Co. (Rub-  
 ber) .....AA

**ILL.—Chicago**

Aeppli Glove Wks. (Heavy  
 Work Gloves) .....D

American Glove Co. (Split;  
 Chrome; Sheep; Napa;  
 &c.) .....B

Chicago Sporting Goods  
 Mfg. Co. (Boxing; Base-  
 ball) .....B

Connelly Bros. & Hall  
 (Leather Gloves) .....B

Elsendrath Glove Co. ....A

Farwell Co., John V.  
 (Gloves) .....AAAA

Friedlander, Brady & Co.  
 (Knit Silk; Wool) .....A

Hoffman Bros. & Co.  
 (Leather Work Gloves) ..D

Hutchins Bros. Glove Co. ..D

Lehman & Co., L. B. (Kid  
 Gloves) .....B

Osborn Co., C. D. ....D

Price Co., Hy. W. (Knit) ..B

Simmons & Co., Francis T.  
 (Womens' Kid Gloves) ..B

**ILL.—De Kalb**

Brandt & Shipman (Gloves)  
 A

**ILL.—Kewanee**

Boss Mfg. Co. (Canton Flan-  
 nel; Corn Husking) ....B

**ILL.—Rockford**

Prince Co., Hy. W. (Knit) ..B

**ILL.—Rock Island**

Bennett, George (Leather;  
 Fur) .....A

**IND.—Bluffton**

Zero Mitten Mfg. Co. (Can-  
 ton Flannel) .....D

**IND.—Ft. Wayne**

Ft. Wayne Glove & Mitten  
 Co. (Sheep; Calf; Horse-  
 hide; Napa; Muleskin  
 Gloves; Faced; Full;  
 T-Back Mittens) .....B

**IND.—Michigan City**

Lakeside Knitting Co.  
 (Knit) .....C

**IND.—Winchester**

Tecumseh Facing Mills  
 (Leather) .....C

**IOWA—Des Moines**

Cownie Glove Co., J. H.  
 (Leather) .....A

**IOWA—Grinnell**

Morrison, McIntosh & Co.



<b>GLOVES (Con.)</b> (Womens'; Men's) .....B	<b>GLOVES (Con.)</b> N. Y.—Auburn
<b>IOWA</b> —Iowa City	Lemmon & Co., H. N. (Fur;
Iowa Glove Co. (Work;	Lamb Wool) .....D
Driving) .....D	N. Y.—Binghamton
Rate & Sons, E. F.	Parlor City Glove & Mitten
(Leather) .....D	Co. ....D
<b>MAINE</b> —Penobscot	N. Y.—Broadalbin
Condon & Co., A. C. (Hand	Dye & Robertson (Leather)
Knit Mittens) .....C	D
<b>MD.</b> —Frederick	N. Y.—Brooklyn
Eisler, Daniel .....D	Jennings Lace Works (Silk
<b>MD.</b> —Hagerstown	Lace Mitts) .....AAAA
Updegraff & Son, Geo. (Fur;	N. Y.—Buffalo
Kid; Leather; Buck;	Am. Buffalo Robe Co.
Mocha Gloves) .....A	(Cloth) .....A
<b>MASS.</b> —Boston	Buffalo Glove & Whip Manu-
Boston Belting Co. (Aid	ufactory .....C
Mittens) .....AAAA	Chisholm, H. L. (Leather)
<b>MASS.</b> —Everett	D
Bailey & Co., Oscar L.	Orr, George .....D
Knit Wool; Golf; Silk) ..C	N. Y.—Candor
<b>MASS.</b> —Florence	Wands Glove Co. (Men's &
Nonotuck Silk Co. (Silk)	Boys' Heavy Working
AAA	Gloves) .....A
<b>MASS.</b> —Needham	N. Y.—Fonda
Carter Co., William (Knit	Behr, Isaac H. ....D
Silk; Wool Mittens) ...B	N. Y.—Fultonville
Latham & Co., Frederick	Starin Silk Fabric Co. (Knit
(Knit; Worsted; Merino	Silk) .....B
Gloves) .....D	N. Y.—Gloversville
Moseley & Co. (Knit) ...D	Adler & Co., Jacob (Gloves)
<b>MASS.</b> —Peabody	AAAA
Clark Glove Co. (Leather	Allen & Son, J. C. ....C
Sporting) .....AA	Bachner-Moses Co. (Suede;
<b>MASS.</b> —Westfield	Mocha; Kid Gloves) ...B
Bay State Glove Co. ....C	Batty, J. A. & Co. ....D
<b>MICH.</b> —Clare	Brown, L. S. (Buckskin) ..C
Wolsey & Co., W. (Knit	Clark, Easterly & Co.
Mitts) .....D	(Men's Cape; Kid; Mocha;
<b>MICH.</b> —Colon	Suede Gloves) .....C
Lamb Knit Goods Co. (Knit)	Dade, Frederick .....D
D	Danforth, J. H. (Men's
<b>MICH.</b> —Detroit	Kid; Mocha; Suede
Detroit Alaska Knitting Co.	Gloves) .....D
(Knit Mittens) .....C	Dempster & Place .....A
Detroit Leather Specialties	Dye, C. H. (Suede; Kid) ..D
Co. (Mechanics' Heavy	Fear & White (Men's;
Leather) .....C	Ladies' Kid Gloves) ...C
Forrester & Cheney Co.	Flske & Co., Edward W. ...C
(Golf) .....D	Foerderer, Robert H. (Kid;
Maddocks Glove Co. (Gloves)	Suede; Mocha Gloves)
D	AAAA
Progressive Knitting Co.	Gloversville Knitting Co.
(Worsted; Silk) .....A	(Knit) .....B
Ryan Bros. Knitting Co.	Hall, Jesse (Gloves; Mit-
(Knit Gloves) .....C	tens) .....C
<b>MICH.</b> —Lansing	Hays & Co., Daniel (Men's;
Michigan Knitting Co. ...D	Womens' Buck; Mocha;
<b>MICH.</b> —Muskegon	Kid; Horsehide; Suede
Amazon Knitting Co. ....A	Gloves) .....A
<b>MICH.</b> —Perry	Hilts & Son, G. H. ....O
Perry Glove & Mitten Co.	Ketcham, F. T. ....D
(Knit) .....D	Kibbe, Chauncey S. (Kid;
<b>MICH.</b> —Pontiac	Buck; Cape; Horse; Calf
Pontiac Knitting Wks. Co.	Gloves) .....D
(Knit) .....C	Kibbe & Radford (Leather)
<b>MICH.</b> —Quincy	B
Quincy Knitting Co. (Knit)	Klein & Son, Albert ....D
D	Kraus, Julius (Kid Gloves)
<b>MICH.</b> —Rochester	D
Western Knitting Mills	Leak Fur Mfg. Co. (Fur
(Knit) .....A	Gloves) .....D
<b>MINN.</b> —Mankato	Left-Straus Co. (Buckskin;
Mankato Mills Co. (Knit) ..A	Reindeer Gloves; Automobile
<b>MINN.</b> —St. Paul	Gauntlets) .....C
Gordon & Ferguson (Gloves)	Left & Co., Wm. (Suede;
AAA	Kid; Mocha Gloves) ...C
Horne & Druck .....D	Littauer Bros. (Gloves)
McKibbin, Driscoll & Dorsey	AAAA
A	McDougall, Wm. (Gloves;
<b>MO.</b> —St. Louis	Mittens) .....D
Ferguson, McKinney Dry	McDougall & Co., James A.
Goods Co. (Gloves) .AAAA	(Gloves; Mittens) .....C
Mueller, August .....C	McGraw, Loucks & Co.
N. H.—Littleton	(Gloves; Mittens) .....O
Saranac Glove Co. ....B	Mandrill, Geo. W. (Mocha;
N. H.—Plymouth	Kid Gloves) .....B
Draper & Maynard Co. (Box-	Meyers & Son, Louis (all
ing Gloves) .....B	kinds Gloves & Gauntlets)
Rollins, F. H. (Men's) ...C	AA
N. J.—Hoboken	Mills, Frederick S. (Gloves;
Litchenheim, Louis (Golf	Mittens) .....D
Gloves) .....B	Mosher & Son, D. A. (Kid;
N. J.—Jersey City	Suede Gloves) .....D
De Renzier & Co., S.	Peck, Frank L. (Leather
(Leather Gloves) .....D	Gloves; Mittens) .....C
Hall, H. S. (Silk) .....D	Phair & Co., J. S. (Mocha;
N. Y.—Amsterdam	Kid; Suede Gloves & Mit-
Amsterdam Silk Mills (L.	tens) .....D
Litthenheim) (Knit) ...B	Quackenbush, J. A. & A. V.
Lovenheim, L. (Knit) ...D	(Leather; Fabric) .....D
	Rea, White & Carter

**GLOVES (Con.)**

(Gloves; Mittens) .....C  
 Rose, Anna A. ....C  
 Schey & Co. (Gloves) .....C  
 Schlusell, Seymour .....C  
 Schwartz, Schiffer & Co.  
 (Leather Gloves) .....A  
 Shaw, John M. ....D  
 Steele & Co., H. H. ....D  
 Steele Bros. (Fur; As-  
 trachan) .....D  
 Tannert Co., Charles ....D  
 Van Dresser, Wm. ....C  
 Whitney, Warren E. ....C  
**N. Y.—Johnstown**  
 Argersinger & Co., P. P. ....A  
 Chant Bros. (Kid) .....D  
 Cole, Geo. B. ....D  
 Collin Bros. ....D  
 Davies, McIntyre & Co.  
 (Men's) .....D  
 Decker, Son & Co., John H.  
 A  
 Evans & Sons, Richard (&  
 Gauntlets) .....A  
 Foote, Wm. D. (Fur Gloves;  
 Gauntlets) .....C  
 Hays & Gates .....C  
 Hewett & Hillock .....C  
 Hutchins & Potter (Gaunt-  
 lets) .....A  
 Ireland Bros. (Kid; Mocha  
 Gloves) .....A  
 Johnstown Glove Co.  
 (Gloves) .....B  
 Karg, Tomlinson & Butler  
 (Horse; Cow; Calf; Sheep-  
 skin) .....D  
 Lucas & Kennedy (Wom-  
 en's; Men's; Mocha; Kid  
 Gloves) .....C  
 McMartin's Sons, J. I. (&  
 Buckskin Gauntlets) ....C  
 Mason, Campbell & Co. (&  
 Gauntlets) .....C  
 Maylender Bros. ....D  
 Miller & Co., J. P. ....B  
 Northrup Glove Mfg. Co.  
 (Mocha; Buck; Fine Kid  
 Gloves) .....A  
 Pierson Bros. (Kid; Euede)  
 D  
 Ricketts & Son, Thos. E.  
 (Hogskin; Calf; Buck;  
 Horsehide; Kid Gloves;  
 Fleisher & Military Gaunt-  
 lets; Fencing; Boxing) ..C  
 Riton Bros. (Kid; Castor  
 Gloves) .....D  
 Rowles, Chas. W. (Gloves)  
 C  
 Stewart & Briggs .....C  
 Streeter, Hackney & Co.  
 (Heavy Leather) .....D  
 Van Sickler & Co., C. H.  
 (Kid; Mocha; Suede  
 Gloves) .....D  
 Wertheimer Glove Mfg. Co.  
 (Leather Gloves) .....B  
 Young & Murphy .....C  
**N. Y.—Mayfield**  
 Christie & Wilkins .....D  
 Kelly, Jas. E. (Kid; Suede;  
 Astrachan) .....D  
 Mayfield Glove Co. (Gloves)  
 B  
**New York City**  
 Abercrombie & Fitch, 314  
 B'way (Hunters'; Explor-  
 ers') .....B  
 Cohen, Cassel (Fur Gloves)  
 B  
 Dent, Allcroft & Co. (Im-  
 porters) .....AAAA  
 Fisk, Clark & Flagg  
 (Gloves) .....A  
 Goodyear's India Rubber  
 Glove Mfg. Co., 503 B'way  
 (Rubber) .....AAAA  
 Ingersoll & Bro., Robert H.,  
 51 Maiden Lane (Boxing;  
 Fencing) .....A  
 Johns-Manville Co., H. W.,  
 100 William (Asbestos)  
 AAAA  
 Lehman, J. & D. (Gloves)  
 B  
 Silberfeld, S. (Kid; Mocha  
 Gloves) .....D  
 Tannert Co., C. (Men's Kid;  
 Mocha; Castor Gloves) ..D  
**N. Y.—Northville**  
 Hubbell, Ray & Co. (Cape;

**GLOVES (Con.)**

Kid; Suede; Jersey; As-  
 trachan) .....B  
 Willard, James R. ....D  
 Willson & Heath (Kid; As-  
 trachan; Jersey Gloves) ..C  
**N. Y.—Norwich**  
 Barr, H. D. ....D  
**N. Y.—Ogdensburg**  
 Phair, John T. ....D  
**N. Y.—Port Jervis**  
 Chant, Charles (Jersey  
 Cloth; Sheepskin; Horse-  
 hide) .....D  
**N. Y.—Poughkeepsie**  
 Hoag, C. F. (Knit) .....B  
**N. Y.—Pulaski**  
 Pulaski Glove Co. (Gloves)  
 D  
**N. Y.—Rochester**  
 Lowenthal & Bro., Max  
 (Knit Mittens) .....B  
**N. Y.—Sidney**  
 Clark Textile Co. (Silk  
 Gloves) .....A  
**N. Y.—Spencer**  
 Spencer Glove Co. ....B  
**OHIO—Akron**  
 Faultless Rubber Co. (Rub-  
 ber Gloves) .....AA  
 Miller Rubber Mfg. Co.  
 (Rubber) .....B  
**OHIO—Bucyrus**  
 Blair, H. S. (Blair Husking  
 Glove Co.) (Husking  
 Gloves) .....C  
**OHIO—Cambridge**  
 Addison & Co., J. E.  
 (Gloves) .....D  
**OHIO—Cincinnati**  
 Bacharach & Loeb (Knit  
 Mittens) .....C  
 Dormer Bros. Co. (Knit  
 Mittens) .....C  
 Goldsmiths' Sons, P. (Base-  
 ball; Boxing) .....D  
 Roth & Co. ....B  
**OHIO—Cleveland**  
 Bamber & Neuman (Knit) ..C  
 Diemer, Geo. C. (Knit Mit-  
 tens) .....D  
 Friedman & Co., H. (Knit  
 Mittens) .....B  
 Rich & Co., N. J. (Knit  
 Mittens) .....C  
 Standard Glove Co. (Gloves)  
 B  
**OHIO—Columbus**  
 Armbruster, Wm. (Knit  
 Mittens) .....B  
 Butler Glove Mfg. Co.  
 (Working) .....D  
**OHIO—Delaware**  
 Ohio Glove Co. ....A  
**OHIO—Eaton**  
 Fox Bros. Mfg. Co. (Canvas  
 Gloves; Tick Mittens) ..D  
**OHIO—Toledo**  
 Defiance Tick Mitten Co. ..D  
 Ohio Knitting Mills Co.  
 (Knit Golf Gloves) .....D  
 Peerless Knitting Mills Co.  
 (Knit Mittens) .....D  
 Roth & Co., Joseph (Silk;  
 Wool) .....B  
**OHIO—Wash. Court House**  
 Inskeep, Biber & Co. (Can-  
 vas Gloves; Tick Mittens)  
 C  
**PA.—Allegheny City**  
 Lappe Tanning Co., J. C.  
 A  
**PA.—Hanover**  
 Hanover Glove Factory  
 (Heavy Work Gloves) ..D  
**PA.—Lewisburg**  
 Musser & Sons, Joseph  
 (Knit Mittens) .....D  
**PA.—Philadelphia**  
 Foerderer, Robert H. (Kid;  
 Suede; Mocha Gloves)  
 AAA  
 Hall, Jr. & Co., L. C. (Knit)  
 B  
 Hawkins & Co., Wm. (Knit)  
 B  
 Reach & Co., Tulip & Pal-  
 mer (Baseball; Boxing;  
 Fencing) .....AA  
**PA.—Reading**  
 Reading Glove & Mitten  
 Mfg. Co. (Lisle; Cotton;  
 Woolen; Cashmere; Taf-

**GLOVES (Con.)**

feta; Silk Gloves & Mittens) .....C  
**PA.—Woolrich**  
 Rich & Bros., John (Knit Mitts) .....A  
**R. I.—Providence**  
 Davol Rubber Co. (Rubber) .....AA  
**VA.—Winchester**  
 Graichen, F. August (Buck; Kid Gloves) .....C  
**WASH.—Seattle**  
 Eureka Glove & Suspender Co. (Leather Gauntlets) .....D  
**W. VA.—Wheeling**  
 Wheat Glove Co. (Leather) .....B  
**WIS.—Beloit**  
 Leonard Mfg. Co., H. J. ....D  
**WIS.—Berlin**  
 Russell Glove Co., Frank (Hand Sewed) .....D  
**WIS.—Hartford**  
 Uber Bros. (Buckskin; Fur) .....D  
**WIS.—Janesville**  
 Howe Bros. (Rock River Cotton Co.) (Gloves) ...B  
**WIS.—La Crosse**  
 Fox River Valley Knitting Co. (Knit Mittens) .....D  
 La Crosse Knitting Works (Knit Mittens) .....C  
**WIS.—Milwaukee**  
 Braun Glove Co., P. J. (Leather; Faced Knit) .....D  
 Brown-Bouton Glove Co. (Leather) .....C  
 Ellsworth & Thayer Mfg. Co. (Fur) .....A  
 Friedlander, Morris (Knit) .....C  
 Great Western Knitting Co. (Knit Gloves) .....C  
 Hansen Mfg. Co., O. C. (Automobile Gauntlets; Working) .....A  
 Kalamazoo Knitting Co. (Knit; Leather) .....A  
 Milwaukee Glove & Mitten Co. (Heavy Gloves; Palm Mittens) .....D  
 Natl. Knitting Co. (Knit) .....AA  
 Nicolai-Plantke Co. ....D  
 Phoenix Knitting Works (Knit) .....B  
 Sauer, J. W. ....D  
 Tabor Glove Co. (Unlined; Leather Lined) .....B  
 Wisconsin Knitting Works (Knit) .....D  
**WIS.—Portage**  
 Portage Hosiery Co. (Knit) .....C  
**WIS.—Ripon**  
 Bouton & Germain Co. (Engineers' Gloves) .....C  
 Ripon Knitting Wks. (Leather) .....B  
**WIS.—Sheboygan**  
 Ross, Sellinger Co. (Leather) .....A  
 Sheboygan Knitting Co. (Knit) .....C

**GLUCOSE**

**ILL.—Chicago**  
 Corn Products Co. ....AAA  
 Glucose Sugar Refining Co., The Rookery .....AAAA  
**ILL.—Waukegan**  
 U. S. Sugar Refinery .....AAAA  
**MD.—Baltimore**  
 U. S. Sugar Refinery, 406 Exchange Pl. ....AAAA  
 Woods & Co., D. C., 110 S. Gay (Confec.) .....B  
 New York City  
 Corn Products Co., 25 Broad .....AAAA  
 New York Glucose Co., 26 B'way .....AA  
 Seelye, Thomas, 142 Front .....AA  
**PA.—Philadelphia**  
 Perfection Jar Glucose Co., 514 Beach .....D  
**WIS.—Milwaukee**  
 Stark, W. F., 303 E. Water .....C

**GLUE**

**CAL.—San Francisco**  
 California Glue Works, 106 Pine .....A  
 California Paint Co., 22 Jessie .....B  
 Challenge Glue Co., 17th Av. South, nr. G. ....C  
**DEL.—Wilmington**  
 Delaware Glue Co. ....B  
**D. C.—Washington**  
 Royal Glue Co. (Bottled) ..C  
**ILL.—Chicago**  
 American Glue Co., 150 Kinzie (Fish; Liquid) .....AAAA  
 Anglo-American Provision Co. ....AAAA  
 Armour Glue Works, 205 La Salle (Carriage; Family; Colored; Elastic) .....AAAA  
 Baeder, Adamson & Co., 172 Lake .....AAAA  
 Chicago Fireproof Covering Co. (Fireproof) .....E  
 Diamond Glue Co., 218 La Salle .....A  
 Lister, Joseph, 1158 Elston Av. ....A  
 Midland Glue Co., Monadnock Bldg. ....D  
 Spiegel & Co., J., 218 La Salle .....A  
 Stein, Hirsh Co., 2597 Archer Av. ....AAA  
 Swift & Co. ....AAAA  
 Thurston & Co., F. W., 29 River (Liquid) .....A  
 Wisdom & Co., 205 E. Lake .....B  
**IND.—Indianapolis**  
 Kingan & Co. ....AAAA  
 National Glue Co., 525 W. 14th .....B  
**IND.—New Albany**  
 Conrad & Krammerer ...AA  
**MD.—Baltimore**  
 Baker Bros. & Co., 36 S. Charles .....A  
 Baugh & Sons' Co., 36 South .....AAAA  
 Coulson, Edw. L., Jenkins Lane .....F  
 McCormick & Co., 106 W. Falls Av. (Iron) .....D  
 Wachter Mfg. Co., 509 W. Pratt .....D  
**MASS.—Boston**  
 American Glue Co., 415 Atlantic Av. (Fish; Liquid) .....AAA  
 Baeder, Adamson & Co., 143 Milk .....AAAA  
 Carter's Ink Co. (Family; Fish; Liquid) .....A  
 Diamond Glue Co., 164 Federal .....A  
 Golding & Co. (Colored; Elastic) .....B  
 Hammond Glue Co., 417 Atlantic Av. ....A  
 International Glue Co., 421 Atlantic Av. ....D  
 Nash Co., E. W., 90 Pearl .....B  
 Whitten Co., J. O., 68 Western Av. ....A  
**MASS.—Cambridge**  
 Whittemore Bros. & Co. (Liquid) .....AA  
**MASS.—Gloucester**  
 Dodd & Co., A. W., 5 Wharf (Fish; Liquid) ...B  
 Gloucester Isinglass Glue Co., Eastern Av. (Carriage) .....D  
 Improved Process Glue Co. (Liquid) .....B  
 Robinson Bros., Whittemore .....D  
 Russia Cement Co., off Essex Av. (Fish; Liquid; Family) .....A  
**MASS.—Peabody**  
 American Glue Co. (Fish; Liquid) .....AAAA  
**MASS.—Salem**  
 Atlantic Glue Co. ....C  
**MICH.—Detroit**  
 Berry Bros., Wight & Lieb .....AAA  
 Michigan Carbon Co., 5 Front .....AAAA

**GLUE (Con.)**

**MO.—St. Joseph**  
 Swift & Co., Stock Yards  
 A AAA

**MO.—St. Louis**  
 American Glue Co., 410 Elm  
 (Fish; Liquid) . . . A AAA  
 Clarkson Glue Co., 214 N.  
 Commercial . . . D  
 Mathlason Mfg. Co., P. B.,  
 5342 N. 2d . . . A  
 Beardon Mfg. Co. . . . A  
 Tamm Bros. Glue Co., Sarpy  
 Av., nr. Manchester Av.  
 AA

**N. H.—Dover**  
 Wiggins & Stevens . . . AA

**N. H.—Keene**  
 Keene Glue Co. . . . B

**N. J.—Newark**  
 Baeder, Adamson & Co.,  
 Lockwood . . . A AAA  
 Lane, F. F. L. . . . C  
 Lister's Agr'l. Chemical  
 Wks., (Lister Wks.)  
 A AAA

**N. Y.—Buffalo**  
 Blehdon, Victor R., Mooney  
 Bldg. . . . A  
 Couch & Co., B. T., 166 S.  
 Park Av. . . . B

**N. Y.—Johnstown**  
 Fulton County Glue Co. . . B  
 Knox, C. B., 217 Chestnut  
 A

**New York City**  
 American Glue Co., 14 Ferry  
 (Fish; Liquid) . . . A AAA  
 Amour Glue Works, 211  
 Pearl (Carriage; Family;  
 Colored; Elastic) . . . A AAA  
 Arabol Mfg. Co., 100 Wil-  
 liam (Bookbinders') . . . A  
 Baeder, Adamson & Co., 67  
 Beekman . . . A AAA  
 Behr & Co., Herman, 75  
 Beekman . . . AA  
 Cooper's Glue Factory,  
 Peter, 13 Burling Slip  
 A AAA

Davids Co., Thaddeus, Wil-  
 liam (Liquid) . . . C  
 Delaware Glue Works, 61  
 Beekman . . . B  
 Delaney & Co., 97 Beekman  
 AA

Diamond Glue Co., 101 Beek-  
 man . . . A  
 Eagle Glue & Curled Hair  
 Co., 2 Dover . . . B  
 Hewett & Bros., C. B., 98  
 Beekman . . . A  
 Hoyt, Arthur S., 90 West  
 Broadway (Powder; Cold  
 Water) . . . B  
 Isaacs & Co., S., 299 Pearl  
 AA

Lister's Agricultural Chem-  
 ical Works, 26 Broadway  
 A AAA

Milligan & Higgins Glue  
 Co., 222 Front . . . B

National Gum & Mica Co.,  
 502 W. 45th (Liquid) . . A  
 Putnam & Son, Thos. L., 170  
 Front . . . D  
 Toch, J. L. & J., 85 Pearl  
 F

Tower & Lyon Co., 95 Cham-  
 bers (Liquid Fish) . . . B  
 Townsend, Charles, 276  
 Pearl . . . B  
 Waddell & Co., B. J., 52  
 Beekman . . . AA

**OHIO—Cincinnati**  
 Bird Glue Co., 3d & Main . . B  
 Stephens & Bro., Miami Can-  
 al & Marshall Av. . . . AA  
 Van Ribber Roller Co. (Tab-  
 let) . . . D

**OHIO—Cleveland**  
 Masek, Charles, 43 Brook-  
 lyn . . . E

**PA.—Allegheny**  
 Globe Glue Co., 164 Spring  
 Garden Av. . . . D

**PA.—Philadelphia**  
 American Glue Co., 142 N.  
 Front (Fish; Liquid)  
 A AAA  
 Baeder, Adamson & Co., 730  
 Market . . . A AAA  
 Baugh & Sons' Co. . . . A AAA

**GLUE (Con.)**

Berg Glue Co., . . . Ontario  
 below Richmond . . . B  
 Continental Manufacturing  
 Co. (Liquid) . . . D  
 Delany & Co., 209 N. 3d  
 AA  
 Dimond Glue Co., 420 Com-  
 merce . . . A  
 Martin Co. (Inc.), D. B.,  
 Land Title Bldg. . . . A AAA  
 Tunnell & Co., F. W., 15  
 N. 5th . . . A  
**PA.—Pittsburg**  
 Wilhelm, Hy., 4 Fountain  
 A

**PA.—Warren**  
 Keystone Glue Co. . . . C  
**W. VA.—Wheeling**  
 Gilleland Glue Co., R. M.  
 B

**WIS.—Manitowoc**  
 Manitowoc Glue Co. . . . C

**GLYCERATES**

**MICH.—Detroit**  
 Parke, Davis & Co. . . . A AAA  
 New York City  
 Caswell, Massey & Co. . . . AA

**GLYCERINE**

**CAL.—San Francisco**  
 Heuter, E. L. . . . AA  
 San Francisco Candle Co. . . A  
**DEL.—Wilmington**  
 Atlantic Dynamite Co.  
 (Nitro) . . . A AAA  
**ILL.—Aurora**  
 Jobbins, Wm. F. . . . A  
 Barrett & Co., M. L., 219  
 Lake . . . A  
 Kirk & Co., J. S. . . . A AA  
 Wrisley Co., Allen B., 477  
 5th Av. . . . A

**IND.—Evansville**  
 Melzer Bros. . . . A

**MO.—St. Louis**  
 Goodwin Mfg. Co. . . . AA

**NEB.—South Omaha**  
 Cudahy Packing Co., A AAA

**N. J.—Newark**  
 Butterworth-Judson Co. . . . B

**N. Y.—Buffalo**  
 Larkin Co. . . . A AAA

**N. Y.—Kingston**  
 Nitro Powder Co. (Nitro), B

**New York City**  
 Bradford Glycerine Co., 55  
 Liberty . . . C

Fuerst Bros. Co. . . . D  
 Giese & Son, Aug., 2 Cedar  
 D

Grasselli Chem. Co. (For  
 Nitro) . . . A AAA

Klipstein & Co., A. . . . AA

Marx & Rowelle, 100 Wil-  
 liam (For Nitro) . . . AA

**N. Y. Quinine & Chem. Wks.**  
 (Ltd.) . . . A

Segaller, Phil. . . . X

**N. Y.—Syracuse**  
 Will & Baumer Co. . . . AA

**OHIO—Cincinnati**  
 Emery Candle Co. . . . AA

Harkness & Cowing Co. . . . A

Proctor & Gamble Co. (For  
 Nitro) . . . A AAA

Werk Co., M. . . . AA

**OHIO—Cleveland**  
 Grasselli Chemical Co. A AAA

Harshaw, Fuller & Goodwin  
 Co. . . . AA

**OHIO—Findlay**  
 Findlay Glycerine Co. . . . D

**PA.—Philadelphia**  
 Powers - Weightman-Rosen-  
 garten Co. . . . A AAA

**PA.—Pittsburg**  
 Walker, W. H. . . . A AAA

**GLYCERITES**

**MD.—Baltimore**  
 Sharpe & Dohme . . . AAA

**GLYCOSINE**

**New York City**  
 Fries Bros. . . . A

**GOATSKIN**

See Leather

## GOBLETS

See Glasses & Glassware

## GO-CARTS

See Carriages; Baby

## GOGGLES

See Also Optical Goods

**MICH.**—Detroit  
Johnston Optical Co. .... A  
New York City  
Spencer Optical Co. .... C

## GOLD

**COLO.**—Denver  
Boston & Colorado Smelting  
Co. (Smelted) .... AAA

**MASS.**—Boston  
Billings, Clapp & Co. (Chlor-  
ide) .... B

**MO.**—St. Louis  
Mallinckrodt Chem. Wks.  
(Chloride) .... AAAA

**PA.**—Philadelphia  
Phillips & Jacobs (Chloride)  
A

Powers - Weightman-Rosen-  
garten Co. (Chloride)  
AAAA

**R. I.**—Providence  
Coe Mfg. Co., W. H. (Rib-  
bon) .... B

Wall & Co., A. T. (Sheet), C

## GOLDFOIL

See Foil

## GOLD GOODS

See Jewelry

## GOLF

See Sporting Goods

## GONGS

See Also Bells

**CONN.**—Bridgeport  
Amer. Tube & Stamping Co.  
AAAA

**CONN.**—East Hampton  
Bevin Bros. Mfg. Co.  
(Street Car) .... A

Gong Bell Mfg. Co. (Signal)  
AAAA

Starr Bros. Bell Co. .... B

**ILL.**—Chicago  
Arams & Westlake Co., On-  
tario Cor. N. Franklin  
(Locomotive Cab), AAAA

Wallace Supply Co. .... C

Western Electric Co. (Elec-  
tric) .... AAAA

**MASS.**—Boston  
Electric Gas Lighting Co.,  
195 Devonshire (Electro-  
Mechanical) .... A

Marshall Electric Mfg. Co.,  
301 Congress (Electro-Me-  
chanical) .... B

**MASS.**—Brookline  
Holtzer-Cabot Electric Co.  
(Electro-Mechanical) ... A

**MASS.**—Worcester  
Union Water Meter Co.  
(Steam) .... B

**N. J.**—Jersey City  
Williams & Son, E. A. (Steel  
Signal; Table Electric)  
AA

**N. Y.**—Binghamton  
Star Electric Co. (Electro-  
Mechanical) .... D

New York City  
Edwards & Co., 407 E. 144th  
(Electro-Mechanical) ... D

Gamewell Fire Alarm Tele-  
graph Co., 19 Barclay  
(Electro-Mechanical) .AA

Ostrander & Co., W. R., 22  
Dey (Electro-Mechanical)  
A

Pearce, Frederick, 18 Rose  
(Electro-Mechanical) ..B

**OHIO.**—Cincinnati  
Powell Co., Wm., 2529

## GONGS (Con.)

Spring Grove Av. (Steam)  
A

**PA.**—Allegheny  
Wall Mfg. Supply Co., P.  
(Forged Steel) .... B

**PA.**—Cheswick  
Cheswick Mfg. Co. .... X

**PA.**—Philadelphia  
Partrick, Carter & Wilkins,  
1231 Callowhill (Electro-  
Mechanical) .... B

## GOODS: DRESS

See Cotton Goods; Woollen  
Goods; Silk Goods

## GOODS:

## SURGICAL

See Surgical Goods

## GOODS:

## UPHOLSTERY

See Upholstery Goods; Trim-  
mings; Gimps; Fringes;  
&c.

## GORING

**MASS.**—Chelsea  
Boston Gore & Webb Mfg.  
Co. (Shoe) .... D

Martin & Bro., Mfg. Co.  
(Shoe) .... A

**MASS.**—E. Braintree  
Hub Gore Makers (Shoe) .A

**MASS.**—Easthampton  
Easthampton Elastic Webb  
Co. (Shoe) .... B

Glendale Elastic Fabrice Co.  
(Elastic) .... A

**MASS.**—Hudson  
Taylor & Sons, Thos. (Shoe)  
F

## GOUGES

**CONN.**—Seymour  
Iwan Co., James .... A

**CONN.**—West Winsted  
Winsted Edge Tool Works  
O

**CONN.**—Yalesville  
Yale Mfg. Co. .... C

**MASS.**—Millbury  
Buck, Charles (Socket;  
Tanged) .... B

**N. J.**—Newark  
Bernz, Otto, S. 13th Cor.  
Orange Av. .... B

**N. Y.**—Buffalo  
White & Co., L. & I. J.  
(Socket; Tanged) .... A

New York City  
Peck, Stow & Wilcox Co., 27  
Murray (Socket; Tanged)  
AAAA

Russell & Erwin Mfg. Co.,  
43 Chambers (Socket;  
Tanged) .... AAAA

Tower & Lyon Co., 95 Cham-  
bers (Socket) .... B

## GOVERNORS

See Also Regulators

**CAL.**—Oakland  
Ford, A. (Gas) .... D

**CAL.**—San Francisco  
Dow Pumping Engine Co.,  
179 1st (Pump) .... AA

San Francisco Tool Works,  
23 Stevenson (Pump) ... B

**CONN.**—Portland  
Pickering Governor Co.  
(Steam Engine) .... B

**ILL.**—Chicago  
Chicago Engineer Supply  
Co., 112 Lake (Pump) ... B

Davis Regulator Co., G. M.,  
96 N. Clinton (Auto Con-  
denser; Receiver Pump) C

Davis Co., Jno., 69 Michigan  
(Pump) .... AA

**ILL.**—Moline  
Moline Tool Co. (Steam; Au-  
tomatic for Corliss En-  
gines) .... B

**ILL.**—Quincy  
Gardner Governor Co.

**GOVERNORS (Con.)**

(Pump; Steam Engine;  
Speed; Pressure Com-  
bined) .....AA  
**ILL.—Rockford**  
Woodward Governor Co.  
(Water Wheel) .....U  
**IND.—Connersville**  
Roots Co., P. H. & F. M.  
(Gas) .....AA  
**IND.—Indianapolis**  
Dean Bros. Steam Pump  
Wks. (Pump) .....AA  
Monarch Governor & Machine  
Co., 740 E. Wash. (Steam  
Engine; Horizontal;  
Throttling; Gas; Gasoline  
Engine; Air Compressor;  
Elevator) .....B  
Sensitive Governor Co., 140  
S. Capitol Av. (Steam En-  
gine) .....B  
Sinker-Davis Co., 230 So.  
Missouri (Steam Engine) .....B  
**IOWA.—Burlington** .....  
Murray Iron Wks. Co.  
(Steam Engine) .....A  
**IOWA.—Marshalltown**  
Fisher Governor Co. (Grav-  
ity; Pump; Steam Pump-  
ing Engine) .....D  
**KY.—Owensboro**  
Gunter-Wright Mach. Co.  
(Steam Engine) .....B  
**MD.—Baltimore**  
Bartlett, Hayward & Co.  
(Gas) .....B  
**MASS.—Boston**  
Boston Steam Specialty Co.  
(Feed Water) .....D  
D'Este Co., Julian, 24 Canal  
(Pump) .....B  
Mason Regulator Co. (Pump;  
Steam Engine; Tank) ..A  
Waters Governor Co., 84  
Oliver (Pump; Steam En-  
gine) .....C  
**MASS.—Holyoke**  
Dean Steam Pump Co.  
(Pump) .....AAAA  
ter Wheel) .....AA  
Holyoke Machine Co. (Wa-  
**MASS.—Lawrence**  
Watts Regulator Co. (Pump)  
X  
**MASS.—Lowell**  
Middlesex Machine Co.  
(Pump) .....E  
**MASS.—Orange**  
Hunt, Rodney Machine Co.  
(Water Wheel) .....A  
**MASS.—Salem**  
Locke Regulator Co. (Fire  
Pump) .....A  
**MASS.—Springfield**  
Electron Mfg. Co. (Pump) A  
**MICH.—Comstock**  
Comstock Mfg. Co. (Steam  
Engine) .....B  
**MICH.—Detroit**  
Murray Automatic Boiler  
Feed Co. (Pump) .....D  
**MICH.—Vicksburg**  
Eclipse Governor Co. (Steam  
Engine) .....D  
**N. H.—Keene**  
Humphreys Machine Co.  
(Water Wheel) .....C  
**N. J.—Newark**  
Foster Engineering Co., 107  
Monroe (Pump; Speed;  
Gas) .....A  
**N. Y.—Albany**  
Albany Steam Trap Co.  
(Pump; Steam Engine) D  
**N. Y.—Brooklyn**  
Acton, John, 116 John  
(Pump; Receivers) .....D  
Leffler & Co., Chas., 63 Cly-  
mer (Gas) .....C  
**New York City**  
Baylis Co., 140 Wash. (Gas)  
D  
Connolly Iron Sponge & Gov-  
ernor Co., 395 Bway. (Au-  
tomatic; Balance; Service  
Gas) .....B  
Creamer Steam Specialties  
Co., 123 Liberty (Pump) B  
Ford, Co., Thos. P., 81 Cen-  
tre (Automatic Pump) ..D  
Harlem Mfg. Co., 42 W. 67th  
(Pump) .....F  
Kieley & Mueller, 7 W. 13th

**GOVERNORS (Con.)**

(Pump) .....B  
Leonard & McCoy (Steam  
Engine) .....B  
Monash-Yunker Co., 43  
Centre (Pump) .....B  
Quimby, Wm. E. (Inc.) 141  
Bway. (Pump) .....B  
Roberts & Bros., Geo. J., 471  
4th Av. (Pump) .....A  
Standard Steam Specialty  
Co., 111 5th Av. (Pump) D  
Thorpe, Platt & Co. (Imps.)  
99 Cedar (Marine Steam  
Engine) .....F  
Worthington Pumping En-  
gine Co. (Pump) .....AAAA  
**N. Y.—Oswego**  
Kitts Mfg. Co. (Pump) ...D  
**N. Y.—Rochester**  
Judson Governor Co., Browns  
Race & Furnace (Steam  
Engines) .....B  
**N. Y.—Yonkers**  
Van Auker-Cleavage Co.  
(Pump) .....B  
**OHIO.—Akron**  
Jones & Kuhlke (Steam En-  
gine) .....F  
Replogle Governor Wks.  
(Water Wheel) .....A  
**OHIO.—Cincinnati**  
Laidlaw-Dunn-Gordon Co.  
(Pump) .....AAAA  
**OHIO.—Cleveland** .....  
Strong, Carlisle & Hammond,  
81 Frankfort (Pump) ...A  
**OHIO.—Dayton**  
Dayton Globe Iron Wks. Co.  
(Water Wheel) .....B  
**OHIO.—Springfield**  
Leffel & Co., Jas. (Water  
Wheel) .....AA  
**PA.—Chester**  
Vulcan Wks. (Marine Steam  
Engine) .....E  
**PA.—Erie**  
Jerecki Mfg. Co. (Steam En-  
gine) .....AAAA  
Skinner Engine Co. (Steam  
Engine) .....A  
Stearns Mfg. Co. (Steam En-  
gine) .....B  
**PA.—Philadelphia**  
Lovegrove & Co., 143 N. 3d.  
(Engine) .....C  
Wood Co., R. D., 400 Chest-  
nut (Pump; Gas) .....AAAA  
**PA.—Pittsburg**  
Chaplin-Fulton Mfg. Co., 28  
Penn Av. (Pump) .....A  
Williams Guage Co., 543 4th  
Av. (Pump) .....D  
Wilson-Snyder Mfg. Co.,  
Ross & Water (Pump) AA  
**PA.—Williamsport**  
Valley Iron Wks. (Pump) A  
**WIS.—Milwaukee**  
Filer & Stowell Mfg. Co.  
(Ltd.) (Steam Engine) .....AAA  
Johnson-Service Co. (Pres-  
sure for Steam Boilers;  
Air Compressors; Water  
Level; for closed or open  
Tanks) .....AAA  
Nordberg Mfg. Co., 476 Vir-  
ginia (Automatic Cut-off  
Steam Engine) .....AAA

**GOWNS**

See Clothing; Ladies

**GRADERS**See also Scrapers & Agr.  
Imps. for Road Graders**MASS.—Boston**Boston & Lockport Block  
Co. (Coffee, Rice & Grain)  
A**N. Y.—Silver Creek**Huntley Mfg. Co. (Coffee;  
Peanut; Rice) .....A**N. C.—Salem**Salem Iron Wrks. (Coffee;  
Rice; Grain) .....A**GRADOMETERS****IOWA.—Dubuque**

Adams Co. (Automobiles;

**GRADOMETERS (Con.)**  
Bicycle; Measuring Grades  
of Hills) .....A

## GRADUATES

**N. Y.**—New York City  
Hoehn Co., R. 80 Chambers  
(Glass) .....B  
**Maris & Co., J. M.**, 219 Ful-  
ton .....B  
**Tagliabue, Guisepppe**, 302  
Pearl .....B  
**OHIO**—Cambridge  
Cambridge Glass Co. (Glass)  
B

## GRANARIES

**ILL.**—Joliet  
Adam Steel & Wire Co. (Por-  
table) .....D

## GRANITE

**MD.**—Baltimore  
Maryland Granite Co., 218  
E. York (Building) ....A  
**MO.**—St. Louis  
Schmelder Granite Co.  
(Crushed) .....A  
**N. Y.**—Albany  
Flint Granite Co. (Build-  
ing) .....A  
**PA.**—Philadelphia  
Giles, McMichael & Co.  
(Building) .....D  
**VT.**—Woodbury  
Woodbury Granite Co.  
(Building) .....AA  
**WIS.**—Milwaukee  
Milwaukee Monument Co.  
(Building; Crushed) ...C

## GRANU- LATORS

See also Machinery

**LA.**—New Orleans  
Hauptman & Loeb Co. (Ltd.)  
(Sugar) .....D  
**MD.**—Baltimore  
Adt. John B., (Tobacco) ...A  
**MASS.**—Boston  
Hersey Mfg. Co. (Sugar)  
AA  
**MICH.**—Detroit  
Colton, Arthur, (Pharma-  
ceutical) .....C  
**MINN.**—Minneapolis  
Schultz-O'Neill Co. (Roller)  
C  
**N. Y.**—Brooklyn  
Gould & Garrison, ft. So.  
10th. (Sugar) .....B  
**N. Y.**—Buffalo  
Squier Mfg. Co., Geo. L.  
(Sugar) .....AAA  
**PENN.**—Philadelphia  
Morris, Henry G., (Sugar)  
B  
**VA.**—Richmond  
Cardwell Machine Co. (To-  
bacco) .....A

## GRANULES

**ILL.**—Chicago  
Baker & Co., Chas. S., ....C  
**MD.**—Baltimore  
Sharpe & Dohme .....AAA  
**MASS.**—Cambridge  
Thayer & Co., Henry ....A  
**MICH.**—Detroit  
Parke, Davis & Co. ....AAAA  
Stearns & Co., Fred'k., AAA  
**MICH.**—Kalamazoo  
Upjohn Co. ....AA  
**N. Y.**—New York City  
McKesson & Robbins, AAAA  
Schleffelin & Co., W. H. AA  
**OHIO**—Cincinnati  
Merrell Chemical Co., Wm.  
S. ....AAA

## GRAPERIES

See Also Greenhouses

**N. Y.**—Irvington  
Lord & Burnham Co. ....A

## GRAPHITE

**MASS.**—Springfield  
Springfield Facing Co. ....O  
**MICH.**—Saginaw  
United States Graphite Co.  
(Miners; Refiners) ....A  
**N. J.**—Jersey City  
Dixon Crucible Co., Jos.  
(Miners; Refiners; Braz-  
ing; Grease; Electric Ap-  
pliances) .....AAA  
**N. Y.**—New York City  
Haley, Doubleday & Co.  
(Lubricating; Paint;  
Grease) .....A  
Peabody & Co., H. W., 17  
State .....AAA  
Standard Graphite Co., 11  
B'way (Miners; Refiners)  
B  
Swan & Finch Co. ....A  
**N. Y.**—Niagara Falls  
International Acheson  
Graphite Co. (Electric  
Furnace) .....B  
**N. Y.**—Rochester  
Hall & Co. (Inc.) .....D  
**N. Y.**—Ticonderoga  
Ticonderoga Graphite Co.  
(Miners; Refiners) .....B  
**OHIO**—Cincinnati  
Hill & Griffith Co. (Found-  
ry) .....D  
Obermayer Co., S. (Foundry)  
AA  
**OHIO**—Cleveland  
Smith Foundry Supply, J. D.  
D  
**OHIO**—Toledo  
National Cement & Rubber  
Mfg. Co. (Stick) .....O  
**PA.**—Allegheny  
Wisconsin Graphite Co.  
(Miners; Refiners) ....X  
**PA.**—Bethlehem  
Pettinos Bros. (Miners; Re-  
finers) .....A  
**PA.**—Philadelphia  
Eclipse Cement & Blacking  
Co., 1238 Belmont Av.  
C  
Felton, Sibley & Co., 136 N.  
4th .....AAA  
Philadelphia Graphite Co.,  
Stephen Girard Bldg. (Mi-  
ners; Refiners) .....B  
**PA.**—Pittsburg  
Lawrence & Co., W. W., AA  
McCullough-Dalzell Crucible  
Co. (for all purposes) ..A  
**R. I.**—Providence  
Rhode Island Graphite Co.  
X

## GRAPHO- PHONES

**N. Y.**—New York City  
American Graphophone Co., 90  
W. B'way .....AAAA  
Columbia Phonograph Co.  
A  
Edison Phonograph Agency  
D

## GRAPPLES

**ILL.**—Ottawa  
Porter & Co., J. E. (Rafter)  
A  
**MICH.**—Ewart  
Champion Tool & Handle Co.  
(Timber) .....AA  
**OHIO.**—Ashland  
Myers & Bro., F. E. (Raf-  
ter) .....AAAA  
**OHIO**—Canton  
Ney Mfg. Co. (Rafter) ..B  
**PA.**—So. Bethlehem  
Bethlehem Foundry & Ma-  
chinerv Co. (Rafter) ....O  
**WIS.**—So. Milwaukee  
Stowell Mfg. & Foundry Co.  
(Rafter) .....A

## GRASS FURNITURE

See Furniture

## GRATERS

**CONN.—Bridgeport**  
 Knapp & Cowles Mfg. Co.  
 (Vegetable) .....O  
**MD.—Baltimore**  
 Mitchell Co., Jno. B. (Pine  
 Apples) .....F  
 Sinclair-Scott Co. (Vegeta-  
 bles; Pineapples) .....E  
**MASS.—Boston**  
 Ames Plow Co. (Cocoanut;  
 Horseradish) .....AAAA  
 New England Novelty Mfg.  
 Co. (Nutmeg) .....H  
**MASS.—Reading**  
 Edgar Mfg. Co. (Chocolate;  
 Nutmeg) .....D  
**N. J.—Newark**  
 National Saw Co. (Corn) .B  
**N. Y.—Buffalo**  
 Shepard & Co., Sidney,  
 (Box) .....AAAA  
 Smith's Sons & Co., Jno. E.  
 (Horseradish) .....B  
**N. Y.—Malone**  
 Hinds, Thos., (Starch) ..D  
**New York City**  
 Crandell & Godley Co., (Co-  
 coanut) .....AA  
 Houchin & Co., Thos. W.,  
 (Revolving) .....D  
 Hubbard Portable Oven Co.  
 (Horseradish; Yuca) ....O  
**N. Y.—Rochester**  
 Caldwell Mfg. Co. (Nutmeg)  
 O

**OHIO.—Cincinnati**  
 Day & Co., J. H. (Horse-  
 radish) .....A  
**PA.—Philadelphia**  
 Anderson & Co., J. P. (Co-  
 coanut) .....X  
 Disston & Sons, Henry,  
 (Corn) .....AAAA  
 Enterprise Mfg. Co., No. 3d  
 & Dauphin (Horseradish)  
 AAAA

## GRATES

**ILL.—Bradley**  
 Bradley Mfg. Co., David  
 (Furnace) .....AAA  
**ILL.—Chicago**  
 Green Engineering Co.,  
 Western Union Bldg.  
 (Traveling Link) .....D  
**IOWA.—Dubuque**  
 Adams Co. (Extension  
 Front) .....A  
**KY.—Louisville**  
 Peerless Mfg. Co. (Fire  
 Place; Furnace; Stove;  
 Gas) .....AA  
**MASS.—Boston**  
 Murdock Corporation (Man-  
 tel) .....X  
**MASS.—Lowell**  
 Woods, Sherwood & Co.  
 (Wire; Pan) .....E  
**MASS.—Worcester**  
 National Mfg. Co. (Wire  
 Pan) .....A  
 Wheeler Fdy. Co. (Stove)  
 D  
 Wire Goods Co. (Wire Pan)  
 A

**MO.—St. Louis**  
 Fritz, Geo. J. (Furnace) .B  
 Pleuger & Hengee Mfg. Co.  
 (Dumping) .....A  
**N. H.—Concord**  
 Concord Fdy. & Mach. Co.  
 (Sewer) .....B  
**N. Y.—Corning**  
 Allen Foundry Co., E. R.  
 (Shaking) .....E  
**New York City**  
 Donegan & Swift, 6 Murray  
 (Shaking) .....C  
 Fee & Mason, 68 Beekman  
 (Fresh Air) .....F  
 Hubbard Portable Oven Co.  
 (Oven) .....C  
 Jackson & Bro., Edwin A.,  
 50 Beekman (Ventilating)  
 C  
 Jackson Co., Wm. H. (Fire  
 Place) .....A  
 Lalance & Grosjean Mfg.  
 Co. (Enamelled) .....AAAA  
 Manhattan Brass Co. (Fire  
 Place) .....A

## GRATES (Con.)

Mott Iron Works J. L.  
 (Enamelled; Fire Place;  
 Furnace; Stove) .....AA  
 Treadwell & Co., M. H., 95  
 Liberty (Dumping) ....O  
**OHIO.—Cleveland**  
 Schneider & Trenkamp Co.,  
 479 Case Av. (Gas Parlor)  
 AAAA  
 Taylor & Boggis Foundry Co.  
 (Fire Place) .....AA  
**OHIO.—Toledo**  
 Auer Register & Mfg. Co.  
 (Warm Air) .....B  
**PA.—Allegheny**  
 Rosedale Foundry & Mach.  
 Co. (Fire Place) .....A  
**PA.—Beaver Falls**  
 Knott, Harker & Co. (Fire  
 Place) .....AA  
**PA.—Oil City**  
 Oil City Boiler Works (Fur-  
 nace) .....AA  
**PA.—Philadelphia**  
 Conroy, P. J. (Furnace) .X  
 Harrison's Sons, W. H.  
 (Fire Place) .....E  
 Miller & Co., Jos. S. (Gas)  
 E  
 Sharpless & Watts (Fire  
 Place) .....A  
**PA.—Scranton**  
 McClave, Brooks & Co.  
 (Fire Place; Stove) ....A  
**PA.—Williamsport**  
 Valley Iron Works (Fire  
 Place; Furnace; Power) .A  
**TENN.—Chattanooga**  
 Casey & Hedges Mfg. Co.  
 (Furnace) .....A  
 Chattanooga Roofing & Fdy.  
 Co. (Mantel) .....A  
 Chattanooga Stove Co.  
 (Stove) .....A  
**TENN.—Memphis**  
 Wetter Mfg. Co., N. (Fire  
 Place) .....A  
**TENN.—Nashville**  
 Phillips & Buttorff Mfg. Co.  
 (Enamelled; Fire Place)  
 AAAA  
**PA.—S. Pittsburg**  
 Blacklock Foundry (Mantle)  
 O

**GRATINGS**

**ILL.—Chicago**  
 Barbee Wire & Iron Works  
 (Sidewalk) .....B  
 Braumoeller & Son, Henry  
 (Iron; Sidewalk; Office)  
 B  
 Globe Iron Works (Iron) .B  
 Illinois Malleable Iron Co.  
 (Foundation; Sewer, &c.)  
 AAAA  
**MO.—St. Louis**  
 Kupferle, J. C. (Founda-  
 tions; Sewer, &c.) .....AA  
 Pleuger & Henger Mfg. Co.  
 (Foundation; Sewer, &c.)  
 A

**N. Y.—Cato**  
 Dutton & Co., E. Q. (Win-  
 dow) .....E  
**New York City**  
 Dimond, Thomas (Iron) ...A  
 Fiske Iron Works, J. W.  
 (Iron) .....B  
 Steckenreiter Iron Works,  
 534 W. 58th (Iron) ....D  
**OHIO.—Cleveland**  
 Van Dorn Iron Wks. (Iron)  
 AA  
**OHIO.—Kenton**  
 Champion Iron Co. (Iron)  
 AA  
**PA.—Pittsburg**  
 Pittsburg Lamp & Brass &  
 Glass Co. (Office) .AAAA  
**PA.—Elizabethtown**  
 Buch's Sons, A. (Iron) ...A  
**PA.—Harrisburg**  
 Hickok Mfg. Co., W. O.  
 (Iron) .....AA  
**PA.—Wilkesbarre**  
 Vulcan Iron Works (Iron;  
 Sidewalk) .....AAAA  
**TENN.—Memphis**  
 Chickasaw Iron Wks. (Iron;



**GRATINGS (Con.)**  
 Sidewalk) .....A  
**WIS.—Milwaukee**  
 Bayley & Sons' Co. (Found-  
 ation; Sewer, &c.) ..X

## GRAVEL

**ILL.—Chicago**  
 Publ-Webb Co., 119 West  
 Randolph (Bird) .....C  
**N. J.—Hoboken**  
 Vanderbilt & Son, J. (Bird)  
 D  
**New York City**  
 Barrett Mfg. Co. (Roofing)  
 AAAAA  
**OHIO—Piqua**  
 Piqua Paint & Putty Co.  
 (Bird) .....D

## GREASE

See Also Oils

**CONN.—Hartford**  
 Tracy Oil & Varnish Co.  
 (Axle) .....X  
**ILL.—Chicago**  
 Frazer Lubricating Co., 81  
 Superior (Axle; Car; Ma-  
 chinery) .....AAAA  
 Hisgen Bros., 335 W. 43d  
 (Axle) .....B  
 Stuart & Co., D. A. (Inc.),  
 447 Illinois (Axle) .....C  
**ILL.—Galena**  
 Galena Axle Grease Co.  
 (Axle) .....D  
**ILL.—Kishwaukee**  
 Johnson, F. C. (Axle)....A  
**ILL.—Quincy**  
 Richardson Lubricating Co.  
 (Axle) .....C  
**ILL.—Rockford**  
 Johnson, F. C. (Axle)....A  
**IND.—Jeffersonville**  
 Pfau & Sons, George (Axle)  
 A  
**IOWA—Council Bluffs**  
 Monarch Mfg. Co. (Axle)..A  
**LA.—New Orleans**  
 McWilliams, R. (Ltd.)  
 (Axle; Belt; Cup; Ma-  
 chinery) .....X  
**MASS.—Chicopee Falls**  
 Stevens Arms & Tool Co., J.  
 (Gun) .....AAA  
**MASS.—New Bedford**  
 Nye, Wm. F. (Axle; Gun)  
 A  
**MO.—St. Louis**  
 Broderick & Bascom Rope  
 Co. (Wire Rope) .....AA  
 Frazer Lubricator Co. (Axle)  
 AAAAA  
 Leschen & Sons Rope Co., A.  
 (Wire Rope) .....AAA  
 Waters - Pierce Oil Co.  
 (Axle; Car) .....AA  
**N. J.—Jersey City**  
 Dixon Crucible Co., Joseph  
 (Axle; Gear; Graphite;  
 Waterproof) .....AAA  
**N. J.—Newark**  
 Lister's Agricultural Chem-  
 ical Wks. (Bone) .....AAAA  
**N. Y.—Albany**  
 Hisgen Bros. (Axle) ....B  
**N. Y.—Binghamton**  
 Binghamton Oil Refining  
 Co. (Cylinder; Machinery)  
 A  
**N. Y.—Buffalo**  
 Shining Light Mfg. Co.  
 (Axle) .....C  
**New York City**  
 Columbia Refining Co. (Ma-  
 chinery) .....B  
 Cook's Sons, Adam (Ma-  
 chinery) .....A  
 Fiske Bros. Refining Co.  
 (Axle; Bicycle Chain;  
 Car Cup; Gear; Machin-  
 ery) .....B  
 Frazer Lubricator Co., 83  
 Murray (Axle) .....AAAA  
 Halsey, Doubleday & Co., 229  
 Front (Axle; Belt; Car;  
 Cup; Cylinder; Gear; Ma-  
 chinery. Graphite) ....A  
 Kellogg & Co., E. H. (Ma-

**GREASE (Con.)**  
 chinery) .....B  
 Klipstein & Co., A.....AA  
 Langman & Martinez (Axle;  
 Belt; Car) .....AAA  
 Smith & Nichols, 145 Front  
 (Axle; Belt; Cup; Cylin-  
 der; Gear) .....A  
 Standard Oil Co. of New  
 York, 666 Hudson (Axle)  
 AAAAA  
 Swan & Finch Co., 151  
 Malden Lane (Axle; Belt;  
 Car; Cylinder; Gear; Cup;  
 Graphite) .....A  
 Tide Water Oil Co. (Ma-  
 chinery) .....AAAA  
**N. Y.—Syracuse**  
 Baum's Castorine Co. (Axle)  
 D  
**OHIO—Akron**  
 Akron Mining, Milling &  
 Mfg. Co. (Axle) .....B  
**OHIO—Cincinnati**  
 Obermayer Co., S. (Graph-  
 ite) .....AA  
 Crystal Oil Co. (Axle)....E  
 Moore Oil Co., Chas. H.  
 (Axle) .....A  
 Ogilvy, D. J. (Axle).....B  
**OHIO—Cleveland**  
 Brooks Oil Co. (Axle)....A  
 Canfield Oil Co. (Axle)..B  
 Globe Oil Co. (Axle; Cup).A  
 Monitor Oil Co. (Axle; Cup)  
 C  
 Bellance Oil & Grease Co.  
 (Car; Cup; Cylinder;  
 Gear) .....X  
**PA.—Freedom**  
 Freedom Oil Works Co.  
 (Axle; Belt; Cup; Gear)  
 A  
**PA.—Philadelphia**  
 Houghton & Co., E. P., 240  
 W. Somerset (Axle; Wire  
 Drawing) .....AA  
 Smith & Co., C. K. (Axle)  
 A  
 Stevenson Bros. & Co. (Car;  
 Machinery; Printing Ink)  
 B  
**PA.—Pittsburg**  
 Atlas Paint Co. (Cable; Ele-  
 vator Shaft) .....X  
 Turner, C. A. (Belt) ....B  
**R. I.—Providence**  
 American Oil Co. (Machin-  
 ery) .....B  
**WIS.—Milwaukee**  
 Delaney Oil & Lubricant Co.  
 (Axle; Belt; Car; Cup;  
 Cylinder; Gear; Graphite)  
 X  
 Wadhams Oil & Grease Co.  
 (Axle) .....B

## GREEN

See Also Colors

**MASS.—Boston**  
 Wright & Co., H. (Paris).C  
**New York City**  
 Adler Color & Chemical  
 Works (Paris) .....A  
 Ansbacher & Co., A. B.  
 (Paris) .....AAA  
 F. W. Devoe & O. T. Rey-  
 nolds Co. (Paris) .AAAA  
 Lavanburg, F. L., 100 Wil-  
 liam (Paris) .....A  
 Pfeiffer, I., 92 William  
 (Paris) .....A  
**N. Y.—Penn Yan**  
 Empire Chemical Co. (Par-  
 is) .....B  
**OHIO—Newark**  
 Styron, Beggs & Co. (Paris)  
 A

## GREEN- HOUSES

**MASS.—Boston**  
 Stearns Lumber Co., A. T.  
 (Builders') .....AA  
**MO.—St. Louis**  
 Thomson, Kenedy & Co.,  
 607 Pope Av. (Builders')  
 H  
**N. J.—Jersey City**  
 Pierson-Sefton Co., Westside

**GREENHOUSES (Con.)**  
 Av. (Builders') .....B  
 Plenty, Josephus, 215 Randolph Av. (Builders')...X  
 N. Y.—Brooklyn  
 Scollay, Jno. A. (Est. of), 74 Myrtle Av. (Builders') C  
 N. Y.—Irvington  
 Lord & Burnham Co. (Builders') .....A  
**New York City**  
 Hitchings & Co., 233 Mercer (Builders') .....B  
 Kay, Wm. H., 244 Fulton (Builders') .....D

## GRENADES

**ILL.—Chicago**  
 Harden Hand Grenade Fire Ext. Co. (Hand) .....D  
**ILL.—Quincy**  
 Stahl, Geo. H. (Hand) ...B  
**MO.—St. Louis**  
 Meyrose Lantern Co., F. (Hand) .....X  
**New York City**  
 Hayward & Co., S. F., 20 Warren (Hand) .....D

## GRIDDLES

See Also Holloware; Wire Goods; Tinware; &c.

**IOWA—Dubuque**  
 Adams Co. (Cake) .....A  
**MO.—St. Louis**  
 St. Louis Stamping Co. (Cake) .....AAAA  
**N. H.—Pike Station**  
 Pike Mfg. Co. (Soapstone) A  
**N. J.—Burlington**  
 Stewart & Peterson Co. (Cake) .....A  
**N. Y.—Albany**  
 Hoy & Co. (Cake) .....A  
**N. Y.—Brooklyn**  
 New York Stamping Co., 11th & Berry (Stamped).A  
**N. Y.—Manlius**  
 Cheney & Son, S. (Cake)...A  
**New York City**  
 Lalance & Grosjean Mfg. Co. (Cake) .....AAAA  
**OHIO—Cleveland**  
 Avery Stamping Co. (Steel) B  
**PA.—Philadelphia**  
 Gaumer Co., Jno. L. (Brass; Bronze) .....C  
**PA.—Ryersford**  
 Royal Gas Stove & Fdry. Co. (Cake) .....C

## GRIDIRONS

**MO.—St. Louis**  
 St. Louis Stamping Co. ....AAAA  
**New York City**  
 Central Stamping Co....AA  
 Lalance & Grosjean Mfg. Co. ....AAAA  
 Stoutenborough, X. ....D  
**OHIO—Hamilton**  
 Kahn & Bro., F. L. ....X

## GRILLES

**CAL.—Los Angeles**  
 Frey, J. W., 539 So. Bdway. (Wood; Fret; Lattice Work) .....B  
 Fruhling, Wm. A. (Brass; Bronze; Wrought Iron)...O  
 Smith, Jno. A., 456 So. Bway. (Wood; Fret; Lattice Work) .....G  
**CAL.—Pasadena**  
 Pasadena Mfg. Co. (Wood; Fret; Lattice Work)....B  
**CAL.—San Francisco**  
 Bush & Mallett Co., 328 Post (Wood; Fret; Lattice Work) .....C  
 Inland Floor Co., 422 Sutter (Wood; Fret; Lattice Work) .....D  
 Smith & Young, 723 Market

**GRILLES (Con.)**  
 (Wood; Fret; Lattice Work) .....D  
 West Coast Wire & Iron Wks. (Wrought Iron)...F  
**COLO.—Denver**  
 Denver Iron & Wire Wks., 1401 Market (Brass; Bronze; Wrought Iron).D  
 Pioneer Iron & Wire Wks., 1437 Market (Brass; Bronze) .....D  
 Richter Iron Wks., P. 1521 Stout (Brass; Bronze; Wrought Iron) .....X  
**CONN.—Essex**  
 Essex Wood Turning Co. (Wood; Fret; Lattice Work) .....X  
**CONN.—Hartford**  
 Buellbach, W., 8 Spruce (Wrought Iron) .....X  
 Howard & Co., Jas. L. (Brass; Bronze) .....A  
**CONN.—Meriden**  
 Bradley-Hubbard Mfg. Co. (Brass; Bronze; Wrought Iron) .....AAAA  
**D. C.—Washington**  
 Jorss, A. F., 315 13th N. W. (Wrought Iron) .....D  
 Simmons Grille Co. (J. Lee) 427 N. J. Av. N. W. (Wood; Fret; Lattice Work) .....H  
**GA.—Atlanta**  
 Atlanta Wire & Iron Wks., 64 N. Broad (Brass; Bronze; Wrought Iron).F  
**ILL.—Chicago**  
 Amer. Iron & Wire Wks., cor. Jefferson & W. Lake (Wrought Iron) .....E  
 Architectural Decorating Co. 204 Illinois .....C  
 Barbee Wire & Iron Wks. (Wrought Iron; Window; Door) .....B  
 Bertelsen Adjustable Grille Co., 306 So. Clinton (Wood; Fret; Grille; Lattice Work) .....G  
 Booth, Jno., 114-116 E. Lake (Brass; Bronze; Wrought Iron) .....B  
 Boynton & Co., 67 W. Wash. (Wood; Fret; Grill; Lattice Work) .....B  
 Brown Bros. Mfg. Co., 22d & Campbell Av. (Wrought Iron) .....B  
 Chicago Ornamental Iron Co., 37th & Stewart Av. (Brass; Bronze; Wrought Iron) .....A  
 Dauchy Iron Wks., 88 Illinois (Wrought Iron)...B  
 Decorators Supply Co., 209-219 So. Clinton (Wood; Fret; Lattice Work)...B  
 Halsted, Joseph, 390 W. Randolph (Wrought Iron) D  
 Hickey Wire & Iron Wks., M. H., 54 Dearborn (Wrought Iron) .....B  
 Lorenzen & Co., Chas. F., 278 N. Ashland Av. (Wood; Fret; Lattice Work) .....O  
 Nelson, Chas., 701 W. Lake (Wood; Fret; Lattice Work) .....G  
 Northern Grille Wks., 1453 Milwaukee Av. (Wood; Fret; Lattice Work)...G  
 Schreiber, E. A., 158 W. Ohio (Wrought Iron)...X  
 Smith Wire & Iron Wks., F. P., 100 Lake (Brass; Bronze; Wrought Iron) AA  
 Standard Co., W. 15th & Laflin (Brass; Bronze).E  
 Streib & May, 211 E. Randolph (Brass; Bronze).H  
 Voss, Frederick, 617-621 Austin Av. (Wrought Iron) .....B  
 Winslow Bros. Co., 368 Carroll Av. (Brass; Bronze; Wrought Iron) .....AA

**GRILLES (Con.)**

**ILL.—Peoria**  
Lucas & Sons, A., cor. Cedar  
& Washn. (Wrought Iron) B

**IND.—Goshen**

I. X. L. & Goshen Pump  
Co. .... B

**IOWA—Cedar Falls**

Harris & Cole Bros. (Wood;  
Fret; Lattice Work) AA

**KY.—Louisville**

Snead Architectural Iron  
Wks., 710 14th (Brass;  
Bronze; Wrought Iron) B

**MAINE—Portland**

Megquier & Jones Co.  
(Brass; Bronze) B

**MD.—Baltimore**

Balderston & Son, H., 119  
Light (Brass; Bronze) E  
Dietrich Bros., 344 North  
(Wrought Iron) B

Stidman & Co., 18 N. Fred-  
erick (Brass; Bronze) H

**MD.—Westport**

Lauer & Harper Co. (Inc.)  
(Wrought Iron) C

**MASS.—Boston**

Morss & Whyte, 75 Corn-  
hill (Wrought Iron) AAA  
Nelson Bros., 155 A  
(Wrought Iron) X

Stearns Lumber Co., A. T.  
(Wood; Fret; Lattice  
Work) AA

Whyte & Co., Oliver, 17  
Cornhill (Brass; Bronze) C

**MASS.—Medford**

Boston Steel & Iron Co.  
(Wrought Iron) X

**MASS.—Worcester**

National Mfg. Co., 19  
Union (Brass; Bronze) A

**MICH.—Detroit**

Amos & Co., Chas., 94 W.  
Larned (Brass; Bronze) F  
Barnum Wire & Iron Wks.,  
E. T., 99-105 Shelby  
(Brass; Bronze; Wrought  
Iron) B

Keddy Grill Co. (Wood;  
Fret; Lattice Work) H

Vulcan Co. (Brass; Bronze;  
Wrought Iron) F

**MICH.—Grand Rapids**

Dupree & Co., Jno., 829  
Taylor (Wood; Fret; Lat-  
tice Work) D

Grand Rapids Carved Mould-  
Co. (Wood; Fret; Lattice  
Work) X

Ocker & Ford Mfg. Co.  
(Wood; Fret; Lattice  
Work) B

**MICH.—Kalamazoo**

Kalamazoo Grille Co.  
(Wood; Fret; Lattice  
Work) H

**MINN.—Minneapolis**

Flour City Ornamental Iron  
Wks., 27th Av. & 27 St. S.  
(Brass; Bronze; Wrought  
Iron) B

**MINN.—St. Paul**

Roberts-Goss Co. (Brass;  
Bronze) F

**MO.—Kansas City**

Kleeman, Trotter & Co.,  
1327 Main (Brass; Bronze)  
D

**MO.—St. Louis**

Aetna Iron Wks., 21st &  
Papin (Brass; Bronze;  
Wrought Iron) B

Globe Iron & Foundry Co.,  
901 Victor (Brass; Bronze;  
Wrought Iron) B

Herr Floor Co., Jno., 1208  
Olive (Wood; Fret; Lat-  
tice Work) D

Koken Iron Wks., Koken  
Bldg. (Wrought Iron) B

Lasar-Letzlg Mfg. Co., 16th  
& O'Fallon (Brass;  
Bronze; Wrought Iron) C

Ludlow-Saylor Wire Co., 4th  
& Elm Brass; Bronze) AA  
Mesker & Bro., 421 S. 6th  
(Wrought Iron) AA

Pullis Iron & Steel Wks. Co.  
816 Chestnut (Wrought  
Iron) A

**GRILLES (Con.)**

Union Iron Foundry Co., 1458  
S. 2nd (Wrought Iron) A

**NEBR.—Omaha**

Champion Iron & Wire Wks.  
617 S. 16th (Brass;  
Bronze; Wrought Iron) F

**N. J.—Boonton**

Lincoln Iron Wks. (Iron) B

**N. J.—Jersey City**

Enead & Co. Iron Wks.  
(Brass; Bronze; Wrought  
Iron) A

**N. Y.—Binghamton**

Roberson & Son, A. (Wood-  
en) AA

**N. Y.—Brooklyn**

Ajax Iron & Wire Co., 77  
York (Brass; Bronze;  
Wrought Iron) F

Bossert & Son, Louis (Wood;  
Fret; Grille; Lattice  
Work) AAAA

Grossback & Co., Wm., 37  
Maspeth Av. (Wrought  
Iron) C

Hecla Iron Wks., N. 11th  
& Berry (Brass; Bronze;  
Wrought Iron) AA

**N. Y.—Buffalo**

Buffalo Grille Co., 271  
Court (Wood; Fret; Lat-  
tice Work) D

Cutting, Henry, 233 Mor-  
timer Wood; Fret; Lat-  
tice Work) D

Felne, August, 152 Terrace  
(Wrought Iron) D

Sanford, Thos. F., 193  
Seneca (Brass; Bronze) F

**New York City**

Anderson, Henry C., 414  
Bleecker (Brass; Bronze;  
Wrought Iron) E

Cabaret, Paul E., 342 W.  
14th (Brass; Bronze;  
Wrought Iron) D

Cornell Co., J. B. & J. M.,  
26th & 11th Av. (Wrought  
Iron) AA

Dimond, Thos., 128 W. 33d  
(Brass; Bronze; Wrought  
Iron) A

Flake Iron Wks., J. W., 39  
Park Pl. (Wrought Iron) B

Goulds' Son & Co., M., 88  
Reade (Brass; Bronze) A

Howard & Morse, 45 Fulton  
(Brass; Bronze; Wrought  
Iron) AAAA

Jackson Co., Wm. H., 29 E.  
17th (Union Sq.) (Brass;  
Bronze; Wrought Iron) A

Janusch, F. G. (Est. of),  
750 E. 134th (Brass;  
Bronze) C

Judd, H. L. .... AA  
Koehn, Alfred, 157 W. 29th  
(Wrought Iron) E

Lobel, Andrews Co., 531 W.  
55th (Brass; Bronze) C

McMurray & Bro., Robt. T.,  
105 E. 22d (Brass;  
Bronze; Wrought Iron) C

Manhattan Brass Co., 338  
E. 28th (Brass; Bronze) A

Mott Iron Wks., 84 Beek-  
man (Brass; Bronze;  
Wrought Iron) AA

New York Carved Mould-  
ing Co., 771 1st Av.  
(Wood; Fret; Lattice  
tice Work) D

Pitt Composite Iron Wks.,  
Wm. R., 111 5th Av.  
(Brass; Bronze; Wrought  
Iron) D

Prince Iron Wks., 553 W.  
33d (Brass; Bronze;  
Wrought Iron) C

Terwilliger Mfg. Co., 23d &  
5th Av. (Wood; Fret;  
Lattice Work) D

Thompson, Hervey, 176 E.  
119th (Brass; Bronze;  
Wrought Iron) F

Union Equipment & Bronze  
Co., 514 W. 36th (Brass;  
Bronze) D

Uris, Harris H., 525 W.  
24th (Wrought Iron) C

Westervelt, A. B. & W. T.,

**GRILLES (Con.)**

102 Chambers (Wrought Iron) ..... B  
 Williams, Jno., 544 W. 27th (Brass; Bronze; Wrought Iron) ..... B  
**N. Y.—Rochester**  
 Snow Wire Wks. Co., 76 Exchange (Brass; Bronze; Wrought Iron) ..... D  
**N. Y.—Syracuse**  
 Syracuse Wire Wks. (Brass; Bronze) ..... D  
**OHIO—Alliance**  
 Weybrecht's Sons, J. T. (Wood; Fret; Lattice Work) ..... B  
**OHIO—Cincinnati**  
 Cincinnati Mfg. Co., 512 Main (Brass; Bronze; Wrought Iron) ..... B  
 Schreiber & Sons Co., L., 8th & Eggleston Av. (Brass; Bronze; Wrought Iron) ..... A  
 Stewart Iron Wks., 714 E. 3d (Wrought Iron) ..... A  
**OHIO—Cleveland**  
 Forrest City Steel & Iron Co. (Wrought Iron) A  
 Tyler Co., W. S., 1150 St. Clair (Brass; Bronze; Wrought Iron) ..... A  
 Van Dorn Iron Wks. Co. (Wrought Iron) ..... A  
**OREGON—Portland**  
 Tuereck, I. K., Davis & 9th (Brass) ..... F  
**PA.—Allegheny**  
 Albree Iron Wks., Chester B., 1115 Market (Wrought Iron) ..... B  
 Baker Mfg. Co. (Brass; Bronze) ..... F  
 Rieseck P., Allegheny Av. & Rebecca (Wrought Iron) ..... C  
**PA.—Philadelphia**  
 Darby & Sons, Edw., 233 Arch (Brass; Bronze; Wrought Iron; Ornamental) ..... A  
 Gaumer Co., J. L., 19th & Hamilton (Brass; Bronze; Wrought Iron) C  
 Hall & Garrison Mfg. Co. X  
 Heaton & Wood, 1706 Chestnut; (Wood Fret; Lattice Work) ..... D  
 Merritt & Co., 1024 Ridge Av. (Wrought Iron) B  
 Nacke & Son, A., 240 S. 9th (Brass; Bronze) E  
 Strawbridge & Chase Co., 222 Arch Brass; Bronze) F  
 Wayne Iron Wks. (Inc.) Arcade Bldg. (Wrought Iron) ..... B  
**PA.—Pittsburg**  
 Phoenix Steel Construction Co., Penn Av. & 3d (Brass; Bronze; Wrought Iron) ..... D  
 Pittsburg Brass Mfg. Co. (Brass) ..... D  
 Taylor & Dean, 205 Market (Brass; Bronze; Wrought Iron) ..... B  
 Vilsack Co., Martin (Wrought Iron) ..... E  
**PA.—Reading**  
 Remppis Co. Wm. F. (Wrought Iron) ..... B  
**PA.—Ridgway**  
 Hyde-Murphy Co. (Wood; Fret; Lattice Work) A  
**WIS.—Milwaukee**  
 Bayley & Sons Co., Wm., 732 Greenbush (Wrought Iron) ..... X  
 Globe Wire & Iron Wks., 136 Reed (Brass; Bronze; Wrought Iron) ..... G  
 Loeffelholz & Co., 170 Clinton (Wrought Iron) A  
 Wisconsin Iron & Wire Wks., 186 E. Water (Wrought Iron) ..... D  
**WIS.—Oshkosh**  
 McMillen Co., R. (Wood;

**GRILLES (Con.)**

Fret; Lattice Work) ... A

**GRINDERS**

See Also Machinery; Mills; Agricultural Implements  
**COLO.—Denver**  
 Davis Iron Wks. Co., F. M., 8th & Lorimer (Sample Ore) ..... A  
 Denver Engineering Wks. Co., Blake & 30th (Sample Ore) ..... A  
 Mine & Smelter Supply Co. (Sample Ore) ..... A  
**COLO.—Leadville**  
 Engelbach Mach'y Mfg. Co. (Sample Ore) ..... D  
**CONN.—Ansonia**  
 Farrell Foundry & Machine Co. (Roll) ..... A  
**CONN.—Bridgeport**  
 Bridgeport Safety Emery Wheel Co. (Bench; Car; Wheel; Cup; Cone; Hub; Emery; Plain Tool; Rotary Shear; Surface; Swing Frame; Wet Tool; Electrically Driven; Planer Knife; Surface; Tool; Plowshare; Swing Frame) F  
 Grant Mfg. & Machine Co. (Emery; Bench; Lathe Center; Surface) ..... E  
 Springfield Mfg. Co. (Bench; Car Wheel; Cup; Cone & Hub; Emery; Plain Tool; Roll; Rotary Shear; Surface; Swing Frame; Die; Five Wheel; Floor; Knife; Pulley; Shafting; Shear; Special; Spindle; Universal Lathe; Lawn Mower; Punch & Die; Tool) S  
**CONN.—Derby**  
 Birmingham Iron Foundry (Roll) ..... A  
**CONN.—Hartford**  
 Dwight Slate Machine Co. (Drill; Plain Tool; Reamer & Cutter; Center; Combination; Lathe Center) B  
 Pratt & Whitney Co. (Cock; Cone & Hub; Cup; Drill; Plain Tool; Reamer & Cutter; Bench; Cutter; Lathe Center) A  
 Whitney Mfg. Co. (Plain Tool; Wet Tool) ..... A  
**CONN.—Higganum**  
 Cutaway Harrow Co. (Tool) X  
**CONN.—Naubuc**  
 Williams Bros. Mfg. Co. (Mower; Knife; Sickle) A  
**CONN.—New Haven**  
 Herrick & Cowell (Emery) O  
 Hill, Albert M. (Cinder & Ore) ..... E  
**CONN.—Norwich**  
 Rogers & Co., C. B. (Emery; Knife) ..... A  
**CONN.—Tolland**  
 Clough, R. M. (Reamer; Cutter; Surface) ..... D  
**CONN.—Waterbury**  
 Blake & Johnson (Emery) A  
**DEL.—Wilmington**  
 Lobdell Car Wheel Co. (Roll) ..... A  
 Pusey & Jones Co. (Wood Pulp) ..... A  
 Trump Bros. Machine Co. (Lathe Center) ..... A  
**ILL.—Chicago**  
 Allis-Chalmers Co., Home Ins. Bldg. (Sample Ore) A  
 Amer Can Co., 100 N. Clinton (Disc) ..... A  
 Besly & Co., Chas. H., 10 N. Canal (Plain Tool; Flat; Surface) ..... A  
 Chicago Flexible Shaft Co., La Salle Av. & Ontario (Portable; Lathe; Lathe Center) ..... B  
 Chicago Wheel & Mfg. Co. (Sickle & Mower Knife; Cutter; Disc; Drill; Bench; Circular Saw; Elec-

**GRINDERS (Con.)**

trically Driven; Knife & Scissors; Lawn Mower; Mowing Machine Knife; Plowshare; Reamer; Section Mower & Reaper; Foot & and Power; Lathe Center; Planer Knife; Surface; Tool) .....C  
 International Harvester Mach. Co., 107 Fulton Av. (Sickle; Mower Knife) .....AAAA

Preble Machine Wks. Co. (Knife) .....D

ILL.—Edwardsville  
 Bignall & Keeler Mfg. Co. (Surface) .....B

ILL.—Freeport  
 Schofield & Co. (Sickle; Mower Knife) .....D

ILL.—Ottawa  
 Porter Co., J. E. (Bench; Sickle) .....A

ILL.—Peoria  
 Herschel Mfg. Co., R. (Sickle; Mower Knife) .....A

ILL.—Rockford  
 Barnes Co., B. F. (Emery Tool; Plain Tool; Wet Tool) .....AA

IND.—Anderson  
 Anderson Tool Co. (Reamer; Cutter) .....X

IND.—Huntingburg  
 Miessner Bros. Co. (Sickle; Mower Knife) .....E

IND.—Indianapolis  
 Atkins Co., E. C. (Emery) .....AAAA

Capitol Machine Wrks. (Automatic Planer Knife) ...D

Rockwood Mfg. Co. (Clay) .....A

IND.—Plymouth  
 Clizbe Bros. Mfg. Co. (Sickle; Mower Knife) .D

IOWA.—Dubuque  
 Adams Co. (Reamers; Cutters; Foundry Sprue) .A

IOWA.—Keokuk  
 Scott Mfg. Co. (Clay) ...D

KANS.—Enterprise  
 Ehrsam Machine Co., J. B. (Mower Knife; Sickle) .....B

MAINE—Bangor  
 Union Iron Wrks. (Edging; Sample Ore) .....A

MASS.—Boston  
 Blanchard Machine Co. (Glue) .....D

Boston Steam Specialty Co., 168 Congress (Emery; Foot Power) .....D

Cutter, Wood & Stevens Co., 68 Pearl (Bench; Swing Frame; Cutter) .....B

Faneuil Watch Tool Co. (Fast Speed Internal Bench Reamer; Cutter; Bicycle Gearing; Sewing Machine) .....B

Hill, Clarke & Co. (Emery; Tool) .....A

Holmes Machine Co., Chas., 23 W. 1st (Planer Knife) .....B

Rivet Dock Co. (Reamer; Cutter) .....D

Woods Machine Co., S. A., 445 Dorchester (Knife; Planer Knife) .....AA

MASS.—Brockton  
 Kimball Bros. & Sprague (Emery) .....D

MASS.—E. Bridgewater  
 Carver Cotton Gin Co. (Wet; Dry Planer; Knife) ....A

MASS.—Everett  
 Blount & Co., J. G. (Plain Tool) .....D

MASS.—Fitchburg  
 Cowdry Machine Wks., C. H. (Emery) .....D

Putnam Machine Co. (Reamer; Cutter; Slitter) ....A

MASS.—Greenfield  
 Automatic Machine Co. (Reamer; Cutter) .....C

Greenfield Machine Co. (Reamer; Cutter; Universal) .....D

Wells Bros. Co. (Drill;

**GRINDERS (Con.)**

Reamer; Cutter; Tool) .A

MASS.—Holyoke  
 Goddard Machine Co. (Surface; Universal) .....X

Holyoke Machine Co. (Wood Pulp) .....AA

MASS.—Hyde Park  
 Becker Brainard Milling Machine Co. (Reamer; Cutter) .....AA

MASS.—Leeds  
 Northampton Emery Wheel Co., (Emery; Plain Tool; Reamer; Cutter; Wet Tool; Planer Knife) ....A

MASS.—New Bedford  
 Morse Twist Drill & Machine Co. (Twist Drill) ..AAA

MASS.—Springfield  
 Hampden Corundum Wheel Co. (Car Wheel; Emery; Plain Tool; Roll) .....X

MASS.—Westfield  
 Vitrified Wheel Co. (Bench; Drill; Plain Tool) .....C

MASS.—Worcester  
 Barr, Henry G. (Plain Tool) .....D

Cleveland Machine Wrks. (Indigo) .....B

Curtis & Marble Machine Co. (Shear) .....A

Heald Machine Co. (Cutter; Disc; Drill; Electricity Driven; Lathe Center; Reamer; Tool) .....B

Norton Emery Wheel Co. (Cup; Cone; Hub; Drill; Emery; Face; Plain Tool; Reamer; Cutter; Universal Metal; Wet Tool; Twist; Water; Bent; Cutter; Universal) .....AA

Walker & Co., Oakley S. (Automatic Motor Driven Surface) .....E

MICH.—Alpena  
 Kline, Lewis T. (Planer Knife) .....D

MICH.—Detroit  
 Leland & Faulconer Mfg. Co., 480 Twombly Av. (Lathe Center; Plain Tool; Double Wheel Tool) ....A

Star Corundum Wheel Co. (Plain Tool) .....E

Strelinger & Co., Chas. (Emery) .....A

MICH.—Grand Rapids  
 Baldwin, Tuthill & Bolton (Band Wheel; Laps) ...B

Porter, C. O. & A. D. (Emery) .....C

Wilmarth & Norman Co. (Drill; Electrically Driven Wet Tool; Surface; Tool) .....O

MICH.—Marcellus  
 Chapman, H. L. (Emery) .....H

MICH.—Marquette  
 Lake Shore Engine Wks. (Band Saw) .....A

MICH.—Saginaw  
 Bartlett & Co., A. T. (Edging) .....A

Mitts & Merrill (Edging) .B

Wickes Bros. (Band Saw; Edging; also Stab; Lap) .....AAA

MICH.—St. Johns  
 Mason & Co., F. O. (Sickle; Mower Knife) .....C

MO.—St. Louis  
 Fernholtz Brick Machine Co. (Clay) .....D

St. Louis Machine Tool Co., 1114 So. 8th (Plain Tool) .....X

N. H.—Lakeport  
 Cole Mfg. Co. (Planer Knife) .....A

N. H.—Pike Station  
 Pike Mfg. Co. (Shear; Lawn Mower; Tool) .....A

N. J.—Jersey City  
 Bayldon Machine & Tool Co., 20 Morris (Disc) ..E

Maslin & Son, Jno., 169 1st (Emery) .....D

N. J.—Newark  
 Gould & Eberhard (Drill Gear &c.; Emery; Plain

**GRINDERS (Con.)**

Tool; Reamer; Cutter). A  
**N. J.—Smithville**  
 Smith Machine Co., H. B.  
 (Emery; Knife; Planer  
 Knife) ..... D  
**N. Y.—Albany**  
 Empire Implement Mfg. Co.  
 (Sickle; Mower Knife). D  
**N. Y.—Binghamton**  
 Russell, R. M. (Side; An-  
 gular; Face Milling Out-  
 ters) ..... F  
 Stow Mfg. Co. (Emery; Por-  
 table; Bicycle Gearing;  
 Center Die) ..... A  
**N. Y.—Brooklyn**  
 Ross & Son Co., Chas.  
 (Cork; Oil Cake; Fish  
 Scrap) ..... D  
 Simpson, J. S. & G. T.  
 (Cork; Indigo; Oil Cake)  
 A  
**N. Y.—Buffalo**  
 Buffalo Emery Wheel Co.,  
 14 Lock (Bench) ..... G  
 Buffalo Specialty Mfg. Co.  
 (Emery for small tools,  
 &c.; Bicycles Repairs) .. B  
 Frank Machinery Co., 50  
 Mechanic (Emery) ..... C  
 Holmes Machinery Co., E. &  
 B., 59 Chicago (Emery;  
 Knife; Planer Knife) ... B  
 Rogers & Co., Samuel C., 10  
 Lock (Emery Knife;  
 Planer Knife) ..... C  
 Ruger Mfg. Co., J. W.  
 Sugar) ..... B  
 Union Mfg. & Specialty Co.  
 (Automatic Plain Tool;  
 Chisel) ..... C  
**N. Y.—Canastota**  
 Cady, Chas. M. (Plain Tool)  
 F  
**N. Y.—Cohoes**  
 Boss Mfg. Co. (Emery) .. D  
**N. Y.—Fulton**  
 Dilts Machine Wrks. (Wood  
 Pulp) ..... B  
**N. Y.—Lockport**  
 Trevor Mfg. Co. (Planer  
 Knife; Wood Pulp; Calen-  
 dar Roll; Knife) ..... B  
**N. Y.—Malone**  
 Hinds, Thos. (Saw) ..... D  
**New York City**  
 Amer Woodworking Ma-  
 chine Co., 186 Liberty  
 (Knife; Planer Knife; Em-  
 ery) ..... AAAA  
 Best, L. (Tool) ..... C  
 Dodge Mfg. Co., 45 Dey  
 (Disc) ..... AAAA  
 Garvin Machine Co., 187 Var-  
 rick (Drill; Plain Tool;  
 Reamer; Cutter; Surface;  
 Die; Universal) ..... AA  
 Manning, Maxwell & Mcgro,  
 85 Liberty (Bench Tool)  
 AA  
 Millers Falls Co., 28 War-  
 ren (Chisel) ..... AA  
 Niles-Bement-Pond Co., 186  
 Liberty (Bench; Drill;  
 Plain Tool; Planer Knife;  
 Reamer; Cutter; Surface;  
 Lathe; Lathe Center; Por-  
 table; Tool; Universal)  
 AAAA  
 Prentiss Tool & Supply Co.,  
 115 Liberty (Drill; Wet  
 Tool (Mfr's Agents) .. A  
 Slotkin & Praglin, 210 Canal  
 (Bench Tool) ..... B  
 Zucker & Levett & Loeb Co.,  
 530 W. 25th (Plain Tool)  
 A  
**N. Y.—Orangeburg**  
 Empire Engine & Motor Co.  
 (Pneumatic Center) ... B  
**N. Y.—Sandy Hill**  
 Friction Pulley & Machine  
 Co. (Wood Pulp) ..... B  
**OHIO—Akron**  
 Whitman & Barnes Mfg. Co.  
 (Sickle; Mower; Knife;  
 Section; Mower; Reaper)  
 AAAA  
**OHIO—Cincinnati**  
 Amer Tool Wrks. Co., 6th  
 & Eggleston Av. (Bench  
 Cock) ..... AA  
 Cincinnati Milling Machine

**GRINDERS (Con.)**

Co. (Plain Tool; Reamer;  
 Cutter; Universal) .... AA  
 Cordesman Machine Co., 25  
 Butler (Emery; Tool) .. B  
 Cordesman, Meyer & Co., 55  
 Central Av. (Emery) .. B  
 Fay & Egan Co., J. A. cor.  
 Front & John (Knife;  
 Planer Knife) ..... AAAA  
 Hisey-Wolf Machine Co.  
 (Portable Electrical Driv-  
 en; Reamer; Cutter; Por-  
 table Elec. Surface;  
 Bench; Lathe Center; Sur-  
 face; Tool) ..... D  
 Lodge & Shipley Machine  
 Tool Co. (Cock; Emery)  
 AA  
 Miller, L. J. (Oil Cake) .. X  
 Osterlein Machine Co.  
 (Plain Tool; Reamer; Cut-  
 ter) ..... B  
 Sebastian Lathe Co. (Emery)  
 B  
 Tucker Machine Co., 222 E.  
 9th (Plain Tool; Wet  
 Tool) ..... H  
**OHIO—Cleveland**  
 Cleveland Stone Co. (Mower  
 Knife; Sickle) ..... AAAA  
 Cleveland Twist Drill Co.  
 (Drill) ..... A  
 Foote, Burt & Co., 269 St.  
 Clair (Plain Tool) ..... B  
 Standard Tool Co. (Wet  
 Tool; Twist Drill) ..... AA  
 Warner & Swasey Co., 57 E.  
 Prospect (Cock; Reamer;  
 Cutter) ..... A  
**OHIO—Columbus**  
 Case Mfg. Co. (Roll) .... A  
**OHIO—Dayton**  
 Dayton Globe Iron Wrks. Co.  
 (Wood Pulp) ..... B  
 Patterson Tool & Supply Co.  
 (Lathe Center) ..... A  
 Seybold Machine Co. (Knife;  
 Planer Knife) ..... A  
**OHIO—Defiance**  
 Defiance Machine Wrks.  
 (Emery; Knife; Planer  
 Knife) ..... A  
**OHIO—Elyria**  
 Worthington Mfg. Co. (Tool)  
 B  
**OHIO—Hamilton**  
 Bentel & Margendant Co.  
 (Knife; Planer Knife) .. A  
 Hamilton Machine Tool Co.  
 (Plain Tool) ..... A  
**OHIO—New Philadelphia**  
 Spier Mfg. Co. (Emery) .. C  
**OHIO—Piqua**  
 King Mfg. Co. (Sickle; Mow-  
 er Knife) ..... E  
**OHIO—Plymouth**  
 Root Bros. Co. (Lawn Mow-  
 er) ..... B  
**OHIO—Springfield**  
 Foos Mfg. Co. (Cob; Crush-  
 ers; Oil Cake; Cotton  
 Seed Hull) ..... A  
 Safety Emery Wheel Co.  
 (Emery; Plain Tool) .. A  
 Webster & Perks Tool Co.  
 (Bench; Emery; Plain  
 Tool; Sickle; Mower  
 Knife; Plow Share) .... C  
**OHIO—Tiffin**  
 Sterling Emery Wheel Mfg.  
 Co. (Bench; Drill; Emery;  
 Plain Tool; Swing Frame;  
 Cutter; Cup; Cone; Hub;  
 Tool) ..... A  
**OHIO—Xenia**  
 Brockett Machine Co., J. P.  
 (Plain Tool) ..... X  
**PA.—Allegheny**  
 Ajax Mfg. Co. (Sickle; Mow-  
 er Knife) ..... D  
**PA.—Allentown**  
 Allentown Rolling Mills  
 (Car Wheel) ..... AAAA  
**PA.—Beaver Falls**  
 Emerson, Smith & Co. (Ltd.)  
 (Emery) ..... A  
**PA.—Easton**  
 Wilson Bros. (Oil Cake) .. A  
**PA.—Erie**  
 Modern Tool Co. (Chaser;  
 Plain Tool) ..... E  
**PA.—Harrisburg**  
 Hickok Mfg. Co., W. O.

**GRINDERS (Con.)****(Knife, Planer Knife).AA****PA.—Lancaster**

Lancaster Peerless Emery

Wheel Co. (Emery) ...D

**PA.—Mechanicsburg**

Comstock, Geo. S. (Lighten-

ing Sickle; Mower Knife) O

**PA.—Muncy**

Sprout, Waldron &amp; Co. (Oil

Cake) .....A

**PA.—Philadelphia**

Atlantic Wrks. 23d

&amp; Arch (Planer Knife).B

Bullock, C. K., 1357 Ridge

Av. (Mill Pick; Plain

Tool) .....O

Butterworth &amp; Sons Co., H.

W. (Indigo) .....A

Challenge Machine Co., 3223

Turner (Bench; Disc;

Drill; Plain Tool; Reamer;

Cutter; Surface; Wet

Tool) .....D

Disston &amp; Sons, Henry (Inc.)

(Reamer; Cutter) .AAAA

Dock, Herman, 905 N. Car-

lisle (Lathe Center)....A

Harrington Son &amp; Co., E.

15th &amp; Penn. Av (Roll)

AA

Johnson, Jr., &amp; Co., Israel

H., 1422 Callowhill (Drill;

Plain Tool) .....A

Stow Flexible Shaft Co., N.

26th &amp; Buttonwood (Em-

ery; Portable; Electrically

Driven; Lathe Center)...B

**PA.—Pittsburg**

Mc Kenna Bros. Brass Co.

(Laboratory; Ore) .....A

Mesta Machine Co. (Roll)

AAAA

**PA.—Stroudsburg**

Tanite Co., (Bench; Emery;

Plain Tool; Surface; Cor-

nish Roll; Car Box;

Knife) .....A

**PA.—Waynesboro**

Landis Tool Co. (Drill;

Face; Plain Tool; Reamer;

Cutter; Surface; Univer-

sal Metal; Flat; Univer-

sal) .....A

**PA.—Weissport**

Lehigh Valley Emery Wheel

Co. (Emery) .....E

**R. I.—Providence**

Amer Emery Wheel Wrks.

(Bench; Drill; Plain Tool;

Knife; Scissors) .....B

Brown &amp; Sharpe Mfg. Co.

(Face; Plain Tool; Ream-

er; Cutter; Surface; Uni-

versal Metal; Bench; Cut-

ter) .....AAAA

Builders Iron Foundry

Surface; Universal Met-

al; Bench; Tool) ....AA

Diamond Machine Co.

(Bench; Center; Cup;

Cone; Hub; Disk; Drill;

Emery; Plain Tool; Ream-

er; Cutter; Automatic

Hand Surface; Car Box;

Knife; Mill Pick; Cut-

ter; Lathe; Lathe Center;

Planer Knife; Reamer;

Portable; Surface; Swing

Frame; Tool) .....B

Iroquois Machine Co. (Disk;

Face; Plain Tool; Surface;

Universal Metal) .....A

**VT.—Bennington**

Scott, Olin (Wood Pulp)

A

**VT.—Springfield**

Park &amp; Woolson Machine

Co. (Shear) .....B

**WIS.—Appleton**

Valley Iron Wrks. Co.

(Wood Pulp) .....C

**WIS.—Janesville**

Rock River Machine Co.

(Bench) .....D

**WIS.—Madison**

Gisholt Machine Co. (Plain

Tool; Lathe; Lathe Cen-

ter; Universal .....AAA

Northern Electrical Mfg. Co.

(Electrically Driven)

AAAA

**GRINDERS (Con.)****WIS.—Manitowoc**

Smalley Mfg. Co. (Cob;

Crushers .....B

**WIS.—Milwaukee**

Allis-Chalmers Co. (Oil

Cake) .....AAAA

Milwaukee Cock Grinder Co.

(Cock) .....X

**WIS.—Oshkosh**

Ransom Mfg. Co. (Plain

Tool, Belt; Motor Driven;

Wet Tool) .....D

**WIS.—Port Washington**

Western Implement Co.

(Sickle; Mower Knife).E

**WIS.—Racine**

Gorton Machine Co., Geo.

(Drill) .....B

Racine Malleable &amp; Wrought

Iron Co. (Sickle; Mower

Knife) .....A

**GRINDSTONES****CONN.—Hartford**

Francis &amp; Co., 859 Main..B

**CONN.—New Haven**

Bronson &amp; Townsend Co.,

406 State.....B

**ILL.—Aurora**

Wilcox Mfg. Co. (Mounted;

Loose) .....B

**MICH.—Port Austin**

Wallace Co. ....B

**MO.—St. Louis**

Pleuger &amp; Henger Mfg. Co.

(Family) .....A

**N. Y.—Buffalo**

Buffalo Foundry Supply Co.,

345 Babcock .....A

Smith Sons, Jno. E., 56

B'way .....B

**New York City**

Fairbanks Co., 416 Broome

(Family) .....AAAA

McCroden &amp; Co., Jno., 33

West (Family) .....AA

Millers Falls Co., 28 Warren

(Family) .....AA

Niles-Bement-Pond Co., 136

Liberty (Mounted) AAAA

Peck, Stow &amp; Wilcox Co.,

27 Murray (Family) ....

AAAA

Pike Mfg. Co., 151 Cham-

bers (Family; Razor;

Unmounted) .....A

**OHIO—Akron**

Whitman &amp; Barnes Mfg. Co.

(mounted) .....AAAA

**OHIO—Cincinnati**

Morris &amp; Co., E. K., 317

W. 2d.....A

Obermayer Co., S. ....AA

**OHIO—Cleveland**

Cleveland Stone Co., Hickok

Bldg. (Mounted; Un-

mounted) .....AAAA

Independent Stone Co., Cu-

ayhag Bldg. (Mounted;

Unmounted) .....B

Ohio Quarries Co., 190

Euclid Av.....B

**OHIO—Elyria**

Grafton Stone Co. (also

Scythe Stones) .....B

Middleburg Stone Co....X

**OHIO—Marietta**

Marietta Stone Co. (Inc.)

(for Saw; Edge Tools) E

**PA.—Philadelphia**

Mitchell, Wilson, 312 N. 4th

B

**PA.—Reading**

Penn Hardware Co. (Kit-

chen) .....AA

Reading Hardware Co. (Fam-

ily) .....AAAA

**R. I.—Providence**

Atlantic Grindstone Co.

(Mounted; Unmounted) B

Goff, Jas. C., 31 Point....B

**VA.—Richmond**

Gordon Metal Co.....C

**GRIPS****CONN.—Torrington**

Union Hardware Co. (Bicy-

cle) .....AA

**ILL.—Chicago**

Klein &amp; Son, M., 89 W. Van

**GRIPS (Con.)**  
 Buren (Wire).....B  
**ILL.—Litchfield**  
 Litchfield Foundry & Machine Co. (Cable).....A  
**MASS.—Boston**  
 Boston Belting Co. (Rubber Bicycle) .....AAAA  
 Brown & Wales Co. (Bicycle) .....A  
 Samson Cordage Wks (Cord; Line) .....A  
 Walworth Mfg. Co. (Rubber Bicycle) .....AAAA  
**MO.—St. Louis**  
 Leschen & Sons Rope Co. (Cable) .....AAA  
**N. J.—Jersey City**  
 New Jersey Car Spring & Rubber Co. (Rubber Bicycle) .....AA  
**N. J.—Newark**  
 Walker Mfg. Co., D. (Stair Carpet) .....E  
**New York City**  
 Gutta Percha & Rubber Mfg. Co. (Rubber Bicycle) .....AAAA  
**Leng's Sons & Co., J. S., 4**  
 Fletcher (Bicycle).....B  
**Prentiss Vise Co., 44 Barclay (Pipe)**.....C  
**OHIO—Ashtabula**  
 Barber Mfg. Co. (Cable).....C  
**OHIO—Cleveland**  
 Avery Stamping Co. (Wood; Malleable) .....B  
 Federal Mfg. Co. (Bicycle) .....AAAA  
**OHIO—Piqua**  
 Piqua Handle & Mfg. Co. (Bicycle) .....A  
**PA.—Brownsville**  
 Herbertson's Sons, John (Cable) .....D  
**PA.—Philadelphia**  
 Chester Steel Castings Co. (Railway Cable) .....AAAA  
 Morse, Williams & Co. (Elevator Hand Stop).....AA  
**Wharton Jr. & Co., Wm. (Inc.) (Railway Cable)** .....AAA  
**PA.—Pittsburg**  
 Armstrong Cork Co. (Bicycle) .....AAAA  
 Marshall Bros. (Elevator Hand Stop).....AA  
**WIS.—Milwaukee**  
 Kleckhefer Elevator Co., A. (Elevator Hand Stop) O

## GRITS

**DEL.—Wilmington**  
 Lea Milling Co. (Hominy).C  
**IND.—Terre Haute**  
 American Hominy Co. (Hominy) .....AAAA

## GROMMETS

**CONN.—Middletown**  
 Wilcox, Crittenden & Co. (Metal) .....A  
**CONN.—Seymour**  
 Rimmon Mfg. Co. ....B  
**CONN.—Waterbury**  
 Waterbury Brass Co. (Metallic) .....AAAA  
**N. J.—Newark**  
 Jenkinson & Co., R. O. (Bar) .....AA  
**New York City**  
 Poyle & Co., John, 112 Duane (Metal) .....AA  
 Metal Stamping Co., 468 W. B'way (Brass; Metal) B  
 Stimpson & Son, Edwin B. (Brass) .....B  
**OHIO—Dayton**  
 Dayton Mfg. Co. (Metal).A

## GROOVERS

See Also Machinery

**CONN.—Southington**

**GROOVERS (Con.)**  
 Peck, Stow & Wilcox Co. (Sheet Metal) .....AAAA  
**MASS.—Orange**  
 Chase Turbine Mfg. Co. (Automatic) .....A  
**N. J.—Newark**  
 Johnson, Wm. (Sheet Metal) .....D  
**N. Y.—Buffalo**  
 Niagara Machine & Tool Wks. (Sheet Metal) ....A  
**OHIO—Ashtabula**  
 Barber Mfg. Co. (Sheet Metal) .....C

## GROS-GRAINS

See Silk Goods

## GRUBBERS

See Agricultural Implements

## GUANO

See Also Fertilizers

**ALA.—Roanoke**  
 Roanoke Guano Co. ....C  
**GA.—Albany**  
 Pioneer Guano Co. ....A  
**GA.—Atlanta**  
 Old Dominion Guano Co. ....A  
**GA.—Savannah**  
 Savannah Guano Co. ....A  
**N. J.—Fort Monmouth**  
 New York & New Jersey Oil & Guano Co. ....D  
**N. C.—Wilmington**  
 Navassa Guano Co. ....AAA  
**VA.—Norfolk**  
 Columbia Guano Co. ....A

## GUARDS:

See Also Hardware; Carriage for Wagon Box Guards; For Watch Guards  
 See Next Heading

**COLO.—Denver**  
 Brewer & Co., E. P., 1008 15th (Razor) .....G  
**CONN.—Easthampton**  
 Bevin Bros. Mfg. Co. (Trouser) .....A  
**CONN.—Georgetown**  
 Gilbert & Bennett Mfg. Co. (Wire; Window; Spark; Tree; Grate; Grave; Lam. Light) .....AAA  
**CONN.—New Haven**  
 Hendryx & Co., Andrew B. (and Cage Screens).....A  
**DEL.—Wilmington**  
 Amer. Vulcanized Rubber Co. (Journal Box Dust) .....AAAA

**ILL.—Chicago**  
 Barbee Wire & Iron Wks. (Wire; Asylum; Wheel; Window; Sk-light; Electric Light; Elevator; Bottle; Grave; Door; Lawn; Portable; Radiator; Spark; Store Front; Tree) B  
 Central Electric Co., 266 5th Av. (Electric Lamp; Wire) .....A  
 Fairbanks, Morse & Co., Franklin & Monroe (Cattle for Railway) .....AAAA  
 Harrington & King Performing Co. (Radiator)....A  
 Railroad Supply Co., Old Colony Bldg. (Cattle for Railway) .....B  
 Sturges & Burn Mfg. Co. (Bicycle) .....A  
 Turner Brass Wks. (Bicycle Chain) .....A  
**ILL.—De Kalb**  
 De Kalb Fence Co. (Tree) AA

**ILL.—Freeport**  
 Stover Mfg. Co. (Bicycle) AA  
**IND.—Fort Wayne**  
 Old's Wagon Wks. (Bicycle Chain; Bicycle Mud)...X



**GUARDS (Con.)**

**IND.—Hammond**  
National Surface Guard Co.  
(Cattle for Railway)....O

**IND.—Indianapolis**  
Atkins & Co., E. C. (Saw)  
AAAA

**LAUTER, H. (Bicycle Mud).B**

**KY.—Louisville**  
Dow Wire Works Co. (Win-  
dow; Spark).....D

**MAINE—Portland**  
Burrows Co., E. T. (Wire)  
AA

**MASS.—Boston**  
Folsom Snow Roof Guard  
Co., 116 South (Roof  
Snow).....X

**Murdock Corporation (Win-  
dow Wire).....X**

**MASS.—Clinton**  
Clinton Wire Cloth Co.  
(Wire; Elevator; Radi-  
ator; Window Wire).AAA

**MASS.—Hopedale**  
Draper Co. (Belt Hole;  
Shuttle).....AAAA

**MASS.—Lowell**  
Mack & Co., W. A. (Oil for  
Engines).....C

**MASS.—Springfield**  
Applied Device Co. (Lamp)  
X

**Bigelow-Cheney Wire Works**  
(Wire; Asylum; Counter;  
Elevator; Nursery; Sky-  
light; Window).....A

**Wagor Mfg. Co., P. R.**  
(Electric Lamp Wire)...G

**MASS.—Woburn**  
Smith & Wallace (Car)...D

**MASS.—Worcester**  
Crompton & Knowles Loom  
Wks. (Shuttle).....AAAA

**Deane & Co., Henry E.**  
(Window).....C

**Hamblin & Russell Mfg. Co.**  
(Electric Lamp Wire)..B

**National Mfg. Co. (Electric  
Lamp Wire).....A**

**Parker Wire Goods Co.**  
Lamp; Light).....D

**Spencer Wire Co. (Lawn;  
Snow; Ice; Tree).....A**

**Wire Goods Co. (Lamp;  
Light).....A**

**Wright Wire Co. (Electric  
Lamp; Elevator; Lawn;  
Tree; Window Wire)..AA**

**MICH.—Detroit**  
Acme Fancy Wire Wks.  
(Incandescent Lamp)...D

**Amos & Co., Chas., 94 W.**  
Larned (Electric Lamp;  
Wire).....F

**Barnum Wire & Iron Wks.,**  
E. T. (Grave).....B

**Bolles Iron & Wire Wks., J.**  
E. (Window).....X

**Burton, C. D., P. O. Box**  
746 (Razor).....X

**Inglis Wire & Iron Wks.,**  
Wm., 59 Woodbridge  
(Electric Lamp; Wire)...C

**Scott Bros. Electric Co., 8**  
Farrar (Electric Lamp;  
Wire).....H

**MICH.—Grand Rapids**  
Baldwin, Tuthill & Bolton  
(Saw).....B

**MICH.—Kalamazoo**  
Kalamazoo Railway Supply  
Co. (Cattle, for Railway)  
B

**Merrill-Stevens Mfg. Co.**  
(Cattle, Steel, for Rail-  
ways).....D

**MICH.—Three Rivers**  
Sheffield Car Co. (Cattle,  
for Railways).....AA

**MO.—Kansas City**  
Kansas City Wire & Iron  
Wks. (Window).....A

**MO.—St. Louis**  
Brownell Co. (Car)....AAA

**Handlan-Buck Mfg. Co., 212**  
N. 3rd (Cattle, Chain Sur-  
face for Railways)....AA

**Ludlow-Saylor Wire Co.**  
(Window; Elevator;  
Grate; Grave; Lamp;  
Light; Tree).....AA

**GUARDS (Con.)**

**N. J.—Boonton**  
Lincoln Iron Wks. (Door;  
Window).....B

**N. J.—Hoboken**  
Woodman, Joel H. (Auto-  
mobile Mud).....A

**N. J.—New Brunswick**  
India Rubber Co. (Bicycle  
Frame).....AA

**N. J.—New Orange**  
American Veneer Co. (Auto-  
mobile Mud).....D

**N. Y.—Buffalo**  
Buffalo Wire Wks. Co.  
(Elevator; Grate; Win-  
dow).....A

**Forayth Mfg. Co., 308 Ter-  
race (Bicycle Chain; Bi-  
cycle Mud; Bicycle  
Sprocket).....C**

**Western Wire Goods Co.**  
(Lamp; Light).....D

**New York City**  
Cable Excelsior Wire Mfg.  
Co., Wm. (Wire; Win-  
dow).....B

**Dewitt Wire Cloth Co.**  
(Wire).....A

**Dimond, Thos. (Iron Fold-  
ing; Tree).....A**

**Estey Wire Wks. Co., 59**  
Fulton (Electric Lamp  
Wire; Grate; Grave;  
Tree; Window Wire)...D

**Fiske Iron Wks., J. W.**  
(Window; Door; Tree)..B

**Gleason Mfg. Co., E. P., 20**  
W. Houston (Electric  
Lamp; Wire).....B

**Gould-Mersereau Co.**  
(Counter).....B

**Hartman Mfg. Co. (Tree)**  
X

**Howard & Morse (Wire;  
Asylum; Church Window;  
Elevator; Nursery; Cell  
Door; Spark; Tree; Grate;  
Lamp; Light; Window  
Wire).....AAAA**

**Johns, H. W.—Manville Co.**  
(Journal Box Dust).AAAA

**Joseph, Sigmund, 245 B'way**  
(Electric Lamp; Wire)...G

**Maxwell Son, John (Cage  
Screens).....X**

**Pitt Composite Iron Wks.,**  
Wm. H., 111 5th Av.  
(Window; Folding; Sta-  
tionery).....D

**Stimpson & Son, Edwin B.**  
(Trouser).....B

**Tower & Lyon Co., 95**  
Chambers (Trouser)...B

**Westervelt, A. B. & W. T.**  
(Tree).....B

**N. Y.—Unadilla**  
Tie Co. (Trouser).....D

**OHIO—Akron**  
Whitman & Barnes Mfg. Co.  
(Mower; Reaper)....AAAA

**OHIO—Canton**  
Diebold Safe & Lock Co.  
(Cell Door).....AAA

**Kohler & Co., F. E. (Tree)**  
B

**OHIO—Cincinnati**  
Bromwell Brush & Wire  
Goods Co. (Window;  
Spark).....AA

**Cellar Door Guard Co.**  
(Door).....D

**Stewart Iron Wks. (Tree).A**

**OHIO—Cleveland**  
Cleveland Wire Spring Co.  
(Skylight; Snow; Ice)..A

**Forest City Steel & Iron Co.**  
(Elevator; Tree; Window  
Wire; Snow; Ice).....A

**Tyler, C. W. S. (Elevator)**  
AAAA

**Universal Skirt Guard Co.**  
(Bicycle Dress).....F

**Van Dorn Iron Wks. Co.**  
(Cell Door; Door; Win-  
dow; Tree).....AA

**OHIO—Columbus**  
International Fence & Fire-  
proofing Co. (Tree)....A

**OHIO—Dayton**  
City Forge & Iron Wks.  
(Tree; Window Wire)...D

**GUARDS (Con.)**

**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred. J.  
 (Window; Spark; Tree;  
 Grate; Grave; Lamp;  
 Light; Window Wire)...B  
**OHIO—Kenton**  
 Champion Iron Co. (Win-  
 dow; Tree).....AA  
**OHIO—Toledo**  
 Donovan Wire & Iron Co.  
 (Tree).....C  
 Toledo Saw Co. (Circular  
 Saw).....C  
**PA.—Allegheny**  
 Carlin's Sons, Thos. (Door;  
 Window).....A  
 Hipwell Mfg. Co. (Electric  
 Lamp; Wire).....D  
**PA.—Elwood City**  
 Glen Mfg. Co. (Grate;  
 Grave; Tree; Window  
 Wire).....C  
**PA.—Philadelphia**  
 Berger Bros. Co., 231 Arch  
 (Snow; Ice).....A  
 Brill Co., J. G., 62nd &  
 Woodland Av. (Car)....  
 AAAAA  
 Darby & Sons, Edw., 232  
 Arch (Electric Lamp  
 Wire; Elevator; Stall;  
 Spark; Tree; Grate;  
 Grave; Window Wire)...A  
 Gaumer Co., John L. (Win-  
 dow).....C  
 Klemm & Co., 132 N. 5th  
 (Electric Lamp; Wire)...C  
 Paxson Co., J. W. (Window  
 Wire).....AA  
**PA.—Pittsburg**  
 McDowell Mfg. Co., 541  
 Wood (Window, Expanded  
 Metal).....D  
**PA.—So. Bethlehem**  
 Bethlehem Foundry & Mach.  
 Co. (Lawn; Tree; Win-  
 dow Wire).....C  
**R. I.—Providence**  
 Olason Architectural Metal  
 Co. (Snow; Ice).....C  
**VA.—Alexandria**  
 Alexandria Iron Works  
 (Door).....D  
**WIS.—Janesville**  
 Automatic Machine Co.  
 (Adjustable Saw).....F  
**WIS.—Two Rivers**  
 Aluminum Mfg. Co. (Bicy-  
 cle Chain).....A

**GUARDS:****WATCH**

See Also Jewelry

**MASS.—Sandwich**  
 Armstrong Braiding Co.  
 (Silk).....D  
**MASS.—Springfield**  
 Union Braiding Co. (Silk)...C  
 New York City  
 Jonas & Co., Wm. (Silk)...C

**GUDGEONS**

**MASS.—Worcester**  
 Wire Goods Co. (Spool) ...A  
 New York City  
 Brown Co., A. & F. ....B  
**PA.—New Brighton**  
 Townsend, C. C. & E. P...  
 AAAA

**GUIDEBOARDS**

New York City  
 Hartman Mfg. Co. (Steel)...X

**GUIDES**

**ILL.—Decatur**  
 Mueller Mfg. Co., H. (Hop-  
 per Cock).....AAA  
**IND.—Indianapolis**  
 Atkins & Co., E. C. (Saw)  
 AAAAA  
 Barry Saw Co. (Saw) ....C  
**MASS.—Fitchburg**  
 Simonds Mfg. Co. (Band ...  
 Saw).....AAA  
**MASS.—Hopedale**  
 Draper Co. (Spooler)...AAAA

**GUIDES (Con.)**

**MASS.—Springfield**  
 Bigelow-Cheney Wire Wks.  
 (Felt; Wire).....A  
**MICH.—Grand Rapids**  
 Baldwin, Tuthill & Bolton  
 (Saw).....B  
 New York City  
 Mitchell-Bissell Co., 88  
 Murray (Porcelain; Enam-  
 elled).....X  
 Tiebout, W. & J., 118  
 Chambers (Sheet; Rope)B  
**OHIO—Dayton**  
 Dayton Malleable Iron Co.  
 (Air Brake Lever) ...AA  
**OHIO—Hamilton**  
 Black-Clawson Co. (Felt;  
 Wire).....AAA  
**OHIO—Youngstown**  
 Finished Steel Co. (Engine,  
 Shapes for).....A  
**PA.—Beaver Falls**  
 Standard Gauge Steel Co.  
 (Finished; Compressed  
 Steel Car; Cold Pressed  
 Steel Elevator).....A  
**PA.—Danville**  
 Curry & Co. (Elevator)...B  
**PA.—Philadelphia**  
 Disston & Sons, Henry  
 (Band Saw).....AAAA  
**VT.—Montpelier**  
 Lane Mfg. Co. (Saw) ....A  
**WIS.—Milwaukee**  
 Filer & Stowell Co. (Ltd.)  
 (Saw).....AAA

**GUIMPS**

See Trimmings; Dress

**GUITARS**

See Musical Instruments

**GUM**For Drug Gums, See Fol-  
 lowing Heading

**CAL.—San Francisco**  
 Amer Chic Co. (Chewing)  
 AAAAA  
 Newton Gum Co. (Chewing)  
 C  
**CONN.—New Haven**  
 Century Chemical Co.  
 (Chewing).....F  
**ILL.—Chicago**  
 Amer. Chic Co. (Chewing)  
 AAAAA  
 Barrett & Co., M. L. (Ara-  
 bic; Tragacanth; &c.)...A  
 Brewer, Chas. A. (Chewing)  
 C  
 Ripe Fruit Gum Co. (Chew-  
 ing).....C  
 Wheaton & Co., J. C.  
 (Chewing).....B  
 Wrigley, Jr., & Co., Wm.  
 (Chewing).....A  
 Zeno Mfg. Co. (Chewing)...A  
**ILL.—Rock Island**  
 West, L. E. (Chewing) ..C  
**IND.—Indianapolis**  
 Fitch & Co., A. M. (Chew-  
 ing).....C  
**IND.—Madison**  
 Roberts & Co., W. B.  
 (Chewing).....C  
**KY.—Louisville**  
 Amer Chic Co. (Chewing)  
 AAAAA  
 Colgan Gum Co. (Chewing)  
 C

**KY.—Paducah**  
 Van Culin Mfg. Co. (Chew-  
 ing).....D  
**MAINE—Portland**  
 Curtis & Son Co. (Chewing;  
 Spruce).....A  
 Rundlet Bros. (Chewing) .F  
**MD.—Baltimore**  
 Baltimore Chewing Gum Co.  
 (Chewing).....E  
 Faultless Chemical Co.  
 (Chewing).....E  
 Lauer & Suter, (Chewing)...A  
**MASS.—Boston**  
 Davidson Rubber Co. (Dental)  
 A  
**MASS.—Malden**  
 National Chic Co. (Chew-

**GUM (Con.)**  
 ing) .....F  
**MICH.**—Detroit  
 Schroder, V. (Chewing) ..O  
**MICH.**—Niles  
 Noble Mfg. Co., K. W.  
 (Chewing) .....F  
**MICH.**—Omo  
 Seng Chemical Co. (Chew-  
 ing) .....F  
**MO.**—Kansas City  
 Lidwell Gum Co. (Chewing)  
 E  
**MO.**—St. Louis  
 Amer. Chewing Gum Co.  
 (Chewing) .....C  
 Chicola Mfg. Co. (Chewing)  
 A  
 Van Culin Mfg. Co. (Chew-  
 ing) .....E  
**N. J.**—Newark  
 Amer. Pepsin Gum Co.  
 (Chewing) .....E  
 Columbia Gum Co. (Chew-  
 ing) .....D  
**N. J.**—Trenton  
 Trenton Rubber Mfg. Co.  
 (Pure Sheet) .....A  
**N. Y.**—Brooklyn  
 Amer. Chic Co. (Chewing)  
 AAAAA  
 Doherty, Eugene (Pure  
 Sheet) .....D  
**N. Y.**—Buffalo  
 Buffalo Sour Pepsin Gum  
 Co. (Chewing) .....F  
 Medical Gum Co., (Chewing)  
 E  
**New York City**  
 Amer. Chic Co. (Chewing)  
 AAAAA  
 Bishop Gutta Percha Co.  
 (Pure Sheet) .....B  
 Goodyear Rubber Co. (Pure  
 Sheet) .....AAAA  
 Green & Co., D. E., 1 Platt  
 (Arabic; Tragacanth) ..A  
 Gutta Percha & Rubber Mfg.  
 Co. (Dental; Pure Sheet)  
 AAAAA  
 Hoople & Androvette, 218  
 Fulton (Gambler) .....A  
 Kleinert Rubber Co., I. B.  
 (Dental) .....A  
 Klipstein & Co., A., 122  
 Pearl (Gambler; Traga-  
 canth; Arabic) .....AA  
 Lamson & Bro., Jno. S., 77  
 Malden La. (Varnish) ..A  
 Thurston & Braidich, 130  
 William (Arabic; Traga-  
 canth, etc.) .....AA  
 Traun Rubber Co. (Dental)  
 E  
 Winterbourne & Co., S.  
 (Varnish) .....B  
**N. Y.**—Watertown  
 Stokes, F. A. (Chewing) ..F  
**OHIO**—Akron  
 Akron Rubber Wks. (Pure  
 Sheet) .....AAAA  
**OHIO**—Canton  
 Southern Gum Co. (Chewing)  
 D  
**OHIO**—Cincinnati  
 Buhr, Pfaff Co. (Chewing)  
 B  
 Chusit Gum Co. (Chewing) E  
 Dental Chewing Gum Co.  
 (Chewing) .....F  
 Doscher Bros. (Chewing) B  
 Kenton Baking Powd. Co.  
 (Chewing) .....A  
 Smith Co., H. D. (Chewing)  
 B  
 Wehking, F. (Chewing) E  
**OHIO**—Cleveland  
 Beeman Chemical Co.  
 (Chewing) .....B  
 Cuyahoga Chemical Co.  
 (Chewing) .....D  
 Heisel, G. L. (Chewing) ..F  
 Selleck-Fischer Mfg. Co.  
 (Chewing) .....E  
 White & Son, W. J.  
 (Chewing) .....B  
**OHIO**—Dayton  
 Royal Remedy & Extract  
 Co. (Chewing) .....B  
 Ware Coffee Co., C. F.  
 (Chewing) .....A  
**OHIO**—Findlay  
 Gobel, W. H. (Chewing) D

**GUM (Con.)**  
**OHIO**—Lima  
 Banta & Son, F. J. (Chew-  
 ing) .....O  
**OHIO**—Salem  
 Grove Co. (The) (Chewing)  
 E  
**OHIO**—Toledo  
 National Chewing Gum Co.  
 (Chewing) .....D  
 Toledo Chewing Gum Co.  
 (Chewing) .....A  
**PA.**—Erie  
 Erie Pepsin Gum Co.  
 (Chewing) .....D  
**PA.**—Meadville  
 Garfield Gum Co. (Chew-  
 ing) .....D  
**PA.**—Philadelphia  
 Amer. Chewing Gum Co.  
 (Chewing) .....C  
 Fleer & Co., Frank H.  
 (Chewing) .....AA  
 Green's Chemical Co., Dr.  
 (Chewing) .....C  
 Hance Bros. & White  
 (Chewing) .....AA  
**PA.**—Pittsburg  
 Soda Mint Gum Co.  
 (Chewing) .....D  
**PA.**—Reading  
 Kola Chemical Co. (Chew-  
 ing) .....E  
**PA.**—Warrior's Mark  
 Malena Co. (Chewing) ...C  
**R. I.**—Providence  
 Davol Rubber Co. (Pure  
 Sheet) .....AA  
**TENN.**—Knoxville  
 Biddle, W. D. (Chewing) E  
**TENN.**—Memphis  
 Coleman, Solomon (Chew-  
 ing) .....A  
**TENN.**—Nashville  
 Hoggins-Murkin Mfg. Co.  
 (Chewing) .....C  
 Valentino Mfg. Co. (Chew-  
 ing) .....A

**GUMMERS**  
**CAL.**—San Francisco  
 California Saw Wks., 208  
 (Mission (Saw) .....A  
**GA.**—Atlanta  
 Southern Saw Wks. (Saw) B  
 Wood Gummer & Filer Co.  
 (Saw) .....F  
**ILL.**—Cairo  
 Reed, Jos. B. (Saw) ....B  
**ILL.**—Chicago  
 Chicago Wheel & Mfg. Co.  
 (Saw) .....C  
 Covell Mfg. Co. (Saw; Emery  
 Wheel) .....C  
**IND.**—Indianapolis  
 Atkins & Co., E. C. (Saw,  
 Emery Wheel) .....AAAA  
**LA.**—Pool's Bluff  
 Pierce & Pounds (Cotton) D  
**MASS.**—Fitchburg  
 Simonds Mfg. Co. (Saw)  
 AAA  
**MICH.**—Detroit  
 Star Corundum Wheel Co.  
 (Ltd.) (Saw) .....E  
**MICH.**—Grand Rapids  
 Austin & Son (Saw) .....B  
**MISS.**—Corinth  
 Adams Machine Co., W. T.  
 (Saw) .....AA  
**N. Y.**—Buffalo  
 Rogers & Co., S. C., 10 Lock  
 (Saw) .....C  
**N. Y.**—Malone  
 Hinds, Thos. (Band Saw) D  
**New York City**  
 Amer. Woodworking Machin-  
 ery Co., 136 Liberty (Saw)  
 AAAAA  
 Hoe & Co., R. 504 Grand  
 (Saw) .....AAAA  
**OHIO**—Cincinnati  
 Rowe & Trunnell, 123 W. 2d  
 (Saw) .....E  
**OHIO**—Salem  
 Silver Mfg. Co. (Saw) ..AA  
**OHIO**—Tiffin  
 Sterling Emery Wheel Mfg.  
 Co. (Saw) .....A  
**PA.**—Allegheny  
 Ajax Mfg. Co. (Saw) ....D  
**PA.**—Beaver Falls  
 Emerson, Smith & Co.

**GUMMERS (Con.)**  
 (Saw) .....A  
**PA.—Philadelphia**  
 Atlantic Wks. (Inc.) 23d &  
 Arch (Saw) .....B  
 Disston & Sons, Henry (Inc.)  
 (Saw) .....AAAA  
**PA.—Pittsburg**  
 Amer. Axe & Tool Co. (Saw)  
 .....AAAA  
**PA.—Stroudsburg**  
 Tanite Co. (Saw) .....A  
**PA.—Williamsport**  
 Andrews & Sons, E. (Emery  
 Saw) .....D  
**WIS.—Milwaukee**  
 Filer & Stowell Co. (Ltd.)  
 (Saw) .....AAAA

## GUMS: DRUG

**MICH.—Detroit**  
 Parke, Davis & Co. ....AAAA  
**New York City**  
 Fuerst Bros. & Co. ....D  
 Hill's Sons Co., Edw. ....AA  
 Hopkins & Co., J. L. ....A  
 Klipstein & Co., A. ....AA  
 Lehn & Fink .....AAAA  
 McKesson & Robbins .....AAAA  
 Magnus & Lauer .....C  
 Parke, Davis & Co. ....AAAA  
 Patterson, Boardman & Co.  
 ....AAA  
 Schieffelin & Co. ....AA  
 Thurston & Braidich  
 (Arabic; Senegal; Traga-  
 canth) .....AA  
**R. I.—Providence**  
 Arnold, Hoffman & Co. AA

## GUNPOWDER

**DEL.—Wilmington**  
 Dupont Co., E. I. ....AAAA  
**ILL.—Chicago**  
 Aetna Powder Co., 148  
 Dearborn .....A  
 Amer. Powd. Mills, 188  
 Madison .....AA  
**MAINE—Portland**  
 Oriental Powder Mills AAA  
**MD.—Baltimore**  
 Hazard Powd. Co., (The)  
 (Br.) 22 S. Calvert AAA  
 Laflin & Rand Powder Co.  
 (Br.) 18 S. Charles AAAA  
 Oriental Powder Mills (Br.)  
 130 Hanover .....AAA  
**MICH.—Detroit**  
 Austin Powder Co. ....AA  
**N. Y.—Kingston**  
 Nitro Powder Co. ....C  
**New York City**  
 Dupont Co., E. I. (Br.)  
 ....AAAA  
 Hazard Powder Co., 46  
 Cedar .....AAAA  
 Laflin & Rand Powder Co.,  
 99 Cedar .....AAAA  
 Von Lengerke & Detmold,  
 318 B'way .....A  
**OHIO—Akron**  
 Hardy & Co., O. B. ....B  
**OHIO—Cincinnati**  
 King Powder Co., 5th &  
 Main .....AAA  
**OHIO—Cleveland**  
 Austin Powd. Co. ....AA  
**OHIO—Xenia**  
 Miami Powder Co. ....AA  
**OHIO—Youngstown**  
 Ohio Powder Co. ....AA  
**PA.—Allentown**  
 Blue Ridge Powder Co. ...E  
**PA.—Shamokin**  
 Shamokin Powder Co., In-  
 dependence Av. & Frank-  
 lin .....C

## GUNS

See also Fire-Arms

**MICH.—Grand Rapids**  
 Brummeler & Sons, Wm.  
 (Paris Green) .....C  
 Foster, Stevens & Co. (Paris  
 Green) .....A  
**MICH.—Perry**  
 Olcott & Son, R. S. (Paris  
 Green) .....C  
**N. H.—Antrim**

**GUNS (Con.)**  
 Goodell Co. (Insect Powder)  
 .....A  
**N. Y.—Brooklyn**  
 Kahnweiler's Sons, David  
 (Line Carrying) .....B  
**N. Y.—Utica**  
 Eureka Mower Co. (Paris  
 Green) .....A  
**OHIO—Toledo**  
 Union Fire Arms Co.  
 (Shot) .....B  
**PA.—Philadelphia**  
 Schoenhut & Co., A. (Rubber  
 Ball; Toy) .....A  
**R. I.—Pawtucket**  
 Bliss Mfg. Co., R. (Bow)  
 ....AAAA

## GUTTA

## PERCHA GOODS

**New York City**  
 Bishop Gutta Percha Co. B  
 Goodyear India Rubber  
 Glove Mfg. Co. ....AAAA  
 Gutta Percha & Rubber Mfg.  
 Co. ....AAAA  
 Mechanical Rubber Co.  
 ....AAAA  
**OHIO—Akron**  
 Akron Rubber Works  
 ....AAAA

## GUTTERS

**ILL.—Chicago**  
 Barbee Wire & Iron Wks.  
 (Stable) .....B  
**ILL.—Desplaines**  
 Garland Co., G. M. (Iron  
 Greenhouse) .....D  
**LA.—New Orleans**  
 New Orleans Roofing &  
 Metal Wks. (Cornice) A  
**MAINE—Portland**  
 Berlin Mills Co. (Wooden)  
 ....AAAA  
**MASS.—Boston**  
 Stearns Lumber Co., A. T.  
 ....AA  
**MASS.—Lowell**  
 Mack & Co., W. A. ....C  
**MO.—St. Louis**  
 Harry Steel Wks., O. K. ..B  
**N. J.—Burlington**  
 Steuart & Peterson Co.  
 (Stable) .....A  
**N. Y.—Brooklyn**  
 Wilson & Baillie Mfg. Co.  
 (Steel) .....B  
**New York City**  
 Fiske Iron Wks., J. W.  
 (Stable) .....B  
 Mosley Iron Bridge & Roof  
 Co. (Iron) .....B  
 Wheeling Corrugating Co.  
 (Iron; Tin) .....AAAA  
**N. Y.—Oxford**  
 Clark Blue Stone Co., F. G.  
 (Stone) .....A  
**N. Y.—Syracuse**  
 Stearns & Co., E. C.  
 (Stable) .....AA  
**OHIO—Cleveland**  
 Cleveland Stone Co. (Stone)  
 ....AAAA  
 Garry Iron & Steel Co.  
 (Eave) .....A  
**PA.—Philadelphia**  
 Berger Bros. Co., 231 Arch  
 (Galvanized) .....A  
 Gara, McGinley & Co.  
 (Iron) .....A

## HABITS

See also Clothing; Ladies  
**New York City**  
 Krakauer, Jacques  
 (Riding) .....A  
 Redfern (Ltd.) (Riding) A

## HACKLES

**MASS.—Lowell**  
 Bagshaw, W. H. ....B  
 Dean, John M. ....F  
**N. J.—Newark**  
 Crabb & Co., Wm. ....A

## HAFTS

**PA.—Bethlehem**

**HAFTS (Con.)**  
**Strock & Co., L. W. (Peg-**  
**ging; Sewing Awl) ....D**

## HAIR

**ILL.—Chicago**  
**Armour Curled Hair Wks.**  
**(Curled) .....AAAA**  
**Illinois Leather Co. (Cat-**  
**tle; Goat; Plastering) AA**  
**MD.—Baltimore**  
**Wilkins Co., Wm. (Curled)**  
**AA**

**MASS.—Boston**  
**Sammet & Son, G. W.**  
**(Curled) .....D**  
**Wheeler & Co., A. W.**  
**(Curled) .....B**  
**Willcomb & Co., Geo.**  
**(Curled) .....AA**  
**New York City**  
**Baeder Adamson & Co., 67**  
**Beekman (Curled; Sad-**  
**dlers'; Plastering) AAAA**  
**Ritchie & Co., Geo. B., 57**  
**Ferry (Curled) .....B**  
**Rogers & Co., C. P. (Curled)**  
**A**

**Wilkins Bros., 440 Pearl**  
**(Curled) .....AA**  
**Woll & Sons, Peter, 27**  
**Howard (Curled) .AAAA**

**OHIO.—Cincinnati**  
**Mitchell Co., P. R., 124**  
**Pearl (Curled) .....AA**

**PA.—Philadelphia**  
**Baeder, Adamson & Co., 730**  
**Market (Curled) .AAAA**  
**Coghlan & Co., Jos. T., E.**  
**Lehigh Av. & Edgemont**  
**(Curled) .....D**  
**Cover & Drayton (Plaster-**  
**ing) .....AA**  
**Delany & Co., 209 N. 3d**  
**(Curled) .....AA**  
**Gordon Bros. (Curled) AA**  
**Grover & Son, Jno. D.,**  
**2800 Tulip (Curled) ....A**  
**Tunnell & Co., W. F.**  
**(Curled) .....B**

**Woll & Sons Feather Co.,**  
**Peter (Curled) .....A**

**VT.—Burlington**  
**Whiting, E. B. & A. C.**  
**(Plastering) .....B**

**WIS.—Milwaukee**  
**Gem Hammock & Fly Net**  
**Co. (Curled) .....A**

## HALTERS

See Harness

## HAMES

**IND.—New Albany**  
**Todd Mfg. Co. (Steel) ..B**

**MO.—St. Louis**  
**Nixdorff-Krein Mfg. Co.**  
**(Wooden) .....AA**

**N. H.—Andover**  
**United States Hame Co.**  
**(Wood; Iron) .....AAA**

**N. J.—Newark**  
**Grosner, F. W. (Wood; Iron;**  
**Scotch; Tubular) .....H**

**Peters Harness & Saddlery**  
**Co. (Wood) .....C**  
**Sargeant Mfg. Co. ....A**

**N. Y.—Auburn**  
**Auburn Hame Co. (Common;**  
**Scotch; Steel Clad) ....B**

**N. Y.—Buffalo**  
**Pratt & Letchworth Co. AAA**  
**United States Hame Co. AAA**

**N. Y.—Rome**  
**Bingham Harness Co.**  
**(Wood) .....D**

**N. Y.—Syracuse**  
**Fraser & Jones Co. (Iron;**  
**Wood) .....AA**

**OHIO.—Canton**  
**Elbel Co. (Dog; Goat) ....A**  
**OHIO.—Cleveland**  
**Eberhard Mfg. Co. (Iron) AA**

**PA.—Jeddo**  
**Wise, Geo. ....B**

**VA.—Rural Retreat**  
**American Collar Hame Co.**  
**(Collar) .....F**

## HAMMERS

See also Machinery

**HAMMERS (Con.)**  
**CAL.—San Francisco**  
**Doble Co., Abner (Brick-**  
**layers'; Masons') .....A**

**COLO.—Denver**  
**Shaw Pneumatic Tool Co.,**  
**C. H., 35th & Wasee**  
**(Pneumatic) .....F**  
**CONN.—Bridgeport**  
**Coulter & McKenzie (Drop)**  
**B**

**Knapp & Cowles Mfg. Co.**  
**(Tack; Masons') .....C**  
**CONN.—Collinsville**  
**Collins Co. (Blacksmiths')**  
**AAAA**

**CONN.—Cromwell**  
**Warner & Son, M. B.**  
**(Blacksmiths'; Machin-**  
**ists'; Masons'; Riveting;**  
**Stone Cutters') .....E**

**CONN.—Hamden**  
**Henry Mfg. Co., John T.**  
**(Tack; Nail) .....E**  
**CONN.—Hartford**  
**Billings & Spencer Co. (Drop**  
**Forged Blacksmiths';**  
**Boilermakers'; Drop;**  
**Tack; Nail; Drop Forged**  
**Machinists'; Horse**  
**Shoers') .....AA**  
**Pratt & Whitney Co. (Drop)**  
**AAAA**

**CONN.—Ivoryton**  
**Comstock, Cheney & Co.**  
**(Piano) .....AA**  
**CONN.—Meriden**  
**Merriman, A. H. (Drop) ..C**  
**CONN.—New Britain**  
**Humason & Beckley Mfg.**  
**Co. (Carpenters' Claw;**  
**Masons'; Tack; Nail;**  
**Bricklayers') .....A**

**Landers, Frary & Clark**  
**(Tack; Nail) .....AAA**  
**Stanley Rule & Level Co.**  
**(Tack; Nail; Magnetic;**  
**Upholsters') .....AAA**

**CONN.—New Haven**  
**Brown & Co., R. H. (Steak)**  
**B**

**Kilborn & Bishop Co. (Bill**  
**Posters') .....C**  
**Miner & Peck Mfg. Co.**  
**(Drop) .....X**  
**Scranton & Co. (Power) ..C**  
**CONN.—Southington**  
**Peck, Stow & Wilcox Co.**  
**(Blacksmiths'; Machin-**  
**ists'; Riveting; Tack;**  
**Nail; Shoemakers') AAAA**

**CONN.—Waterbury**  
**Waterbury Farrell Fdry. &**  
**Mach. Co. (Drop) .....AA**

**ILL.—Chicago**  
**Chicago Pneumatic Tool Co.,**  
**Fisher Bldg. (Calking;**  
**Pneumatic; Casting Scal-**  
**ing; Pneumatic Clipping;**  
**Riveting; Beading) AAAA**

**Elmes Engineering Wks.,**  
**Chas. F., N. Morgan &**  
**Fulton (Power) .....A**  
**Fairbanks, Morse & Co.,**  
**Franklin & Monroe (Pneu-**  
**matic) .....AAA**

**Higgins & Son, John C., 165**  
**W. Kinzie (Bush) .....E**  
**Murphy & Co., Christopher**  
**204 Dearborn (Pneumatic)**  
**B**

**Nicol & Co. (Steak) ....D**  
**Piano & Organ Supply Co.,**  
**125 Racine Av. (Piano) AA**  
**Railway Appliances' Co., Old**  
**Colony Bldg. (Pneumatic)**  
**A**

**Vaughan & Bushnell Mfg.**  
**Co., 875 Carroll Av. (Ma-**  
**chinalists') .....A**  
**Vulcan Iron Wks., 63 Mil-**  
**waukee Av. (Pile Drivers';**  
**Steam Pipe) .....AA**

**Whitman & Barnes Mfg. Co.**  
**(Machinists'; Riveting;**  
**Tack; Nail) .....AAAA**

**ILL.—Decatur**  
**Tait Mfg. Co., F. B. (Lever)**  
**A**

**ILL.—Downers Grove**  
**Dicke Tool Co. (Upholsters';**  
**Bricklayers') .....C**  
**ILL.—Freeport**  
**Arcade Mfg. Co. (Cast Claw;**

**HAMMERS (Con.)**  
Tack; Nail; Foot Power) A  
Stover Mfg. Co. (Claw; Riv-  
eting; Cast Tack; Nail) AA

**ILL.—Moline**  
Williams, White & Co.  
(Drop; Justice; Power;  
Steam; Tack; Nail;  
Spring; Tire Welding) AA

**IND.—Anderson**  
Wooley Fdry. & Machine Co.  
(Power) .....B

**IND.—Evansville**  
Evansville Tool Wks.  
(Blacksmiths'; Boilermak-  
ers'; Bush; Farriers'; Ma-  
cadamizing; Machinists';  
Masons'; Napping; Pav-  
ers'; Stone Cutters'; Nail;  
Tack; Tanners') .....A

**IND.—Indianapolis**  
Atkins & Co., E. C.  
(Pavers'; Saw) .....AAAA

**IOWA—Dubuque**  
Davis, Geo. E. (Drop;  
Power) .....E

**MASS.—Boston**  
Ames Plow Co. (Pavers';  
Stone) .....AAAA

Beaudry & Co., 8 Oliver  
(Power) .....D

Harvey, H. H., 608 Atlantic  
Av. (Blacksmiths'; Boil-  
ermakers'; Masons'; Pav-  
ers'; Riveting; Slaters';  
Stone Cutters'; Bricklay-  
ers'; Shoemakers') .....D

Isele & Son, A. W., 51 Pitt.  
(Blacksmiths'; Boilermak-  
ers'; Masons'; Pavers';  
Slaters'; Stone Cutters') F

Lockwood Mfg. Co., E. B.  
(Inc.) (Steam) .....X

Robertson, Arthur R., 144  
Oliver (Magnet; Bill Post-  
ers') .....F

Whitcher & Co., Frank W.  
(Shoemakers') .....A

**MASS.—Cambridgeport**  
Tower Co., Sylvester (Plano)  
A

**MASS.—Fitchburg**  
Sawyer Tool Mfg. Co. (Ma-  
chinists'; Blacksmiths';  
Boilermakers'; Carriage  
Ironers'; Chipping; En-  
gineers) .....C

**MASS.—Kingston**  
Drew & Co., C. (Masons';  
Bricklayers') .....C

**MASS.—North Easton**  
New England Specialty Co.  
(Tack; Nail) .....F

**MASS.—North Hadley**  
Dickinson & Son, E. P.  
(Broom Makers') .....D

**MASS.—Quincy**  
Clark & Co., Alex. (Stone  
Cutters) .....G

**MASS.—Springfield**  
Baush Mach. Tool Co. (Drop;  
Power) .....A

**MASS.—Winchendon**  
Piper, Geo. M. (Tack; Nail)  
X

**MASS.—Worcester**  
Kidder, R. E., 35 Hermon  
(Power) .....E

**MICH.—Alpena**  
Kilne, Lewis T. (Steam) D

**MICH.—Detroit**  
Anderson & Sons., W. H.  
(Blacksmiths'; Boilermak-  
ers'; Bush; Machinists';  
Masons'; Napping; Pav-  
ers'; Slaters'; Stone Cut-  
ters'; Bricklayers') .....C

**MINN.—Mankato**  
Maver Bros. (Trip) .....F

**MINN.—St. Paul**  
Amer. Holst & Derrick Co.  
(Pile Drivers') .....AAA

**MO.—Kansas City**  
Hauk, W. J., 20th & South-  
west Boul. (Bush) .....F

**MO.—St. Louis**  
Brecht Butchers' Supply Co.,  
V. G., 1201 Cass Av.  
(Butchers'; Killing) AAA

Crescent Novelty Mfg. Co.,  
703 S. Bway. (Masons'

**HAMMERS (Con.)**  
Brick; Pavers'; Stone Cut-  
ters') .....B

Schueddig & Son, Ferd., 525  
So. Jefferson (Masons';  
Pavers'; Stone Cutters') G

South St. Louis Foundry,  
7516 So. Bway. (Pile Driv-  
ers') .....C

Standard Railway Equip-  
ment Co., Union Trust  
Bldg. (Calking; Pneumat-  
ic; Beading) .....G

**N. J.—Newark**  
Atha Tool Co. (Black-  
smiths'; Boilermakers';  
Bush; Claw; Coopers'; Ma-  
sons'; Macadamizing; Ma-  
chinists'; Napping; Pav-  
ers'; Stone Cutters'; Tack;  
Nail; Tanners'; Upholster-  
ers'; Magnetic; Bricklay-  
ers') .....A

Bernz, Otto, So. 18th cor. So.  
Orange Av. (Clipping; Ma-  
chinists'; Plumbers') ...B

Heller Bros. Co. (Tack;  
Nail; Blacksmiths'; Chip-  
ping; Carriage Ironers';  
Engineers') .....AA

Kraeuter & Co. (Upholster-  
ers') .....X

Mundv, J. S., 22 Prospect  
(Pile Drivers') .....A

Osborne & Co., C. S., 96 Me-  
chanic (Nail; Tack; Up-  
holsters'; Saddlers') ...B

**N. Y.—Albany**  
Troy Nickel Works, (Jno. E.  
Gaitley) (Solid Steel; full  
Nickel Plated Tack;  
Nail) .....C

**N. Y.—Auburn**  
Crane Fdry. & Mach. Wks.,  
W. W. (Drop; Trip) ....B

**N. Y.—Brooklyn**  
Bliss Co., E. W., 15 Adams  
(Drop; Power) .....AAAA

Merrill Bros., 465 Kent Av.  
(Drop; Trip; Power;  
Spring; Air Cushion Trip)  
A

**N. Y.—Buffalo**  
Bell Engineering Wks.,  
David (Steam) .....F

Contractors' Plant Mfg. Co.,  
125 Erie (Pile Drivers') B

Niagara Machine & Tool  
Wks., cor. Superior &  
Randall (Drop) .....A

Oliver Mfg. Co., W. W.  
(Fibre Faced Jewelers') C

White Co., L. & I. J., cor.  
Perry & Columbia (Coop-  
ers'; Masons'; Pavers';  
Stone Cutters'; Bricklay-  
ers') .....A

**N. Y.—Homer**  
Phoenix Hdw. Mfg. Co.  
(Tack; Nail) .....D

**N. Y.—Little Falls**  
Cheney Hammer Co., Henry  
(Blacksmiths'; Carpenters'  
Claw; Farriers'; Machin-  
ists'; Riveting; Tack;  
Nail; Tanners') .....D

**N. Y.—Montour Falls**  
General Pneumatic Tool Co.  
(Pneumatic Riveting;  
Chipping) .....B

**New York City**  
American Axe & Tool Co.,  
253 Bway. (Bricklayers')  
AAAA

Dudgeon, Richard (Steam) A

Greene, Tweed & Co., 17  
Murray (Interchangeable,  
with Rawhide, Wood or  
Copper Head) .....A

Hungerford Brass & Copper  
Co., U. T., 121 Worth  
(Copper) .....AA

Lidgerwood Mfg. Co., 96  
Liberty (Pile Drivers')  
AAA

McDougall & Potter Co., 606  
W. 55th (Steam) .....D

Manning, Maxwell & Moore,  
85 Liberty (Power; Drop;  
Steam) .....AA

Niles-Bement-Pond Co., 136  
Liberty (Drop; Rubber  
Cushioned H'elve; Pneu-  
matic; Power; Single;

**HAMMERS (Con.)**

Double & Open frame  
Steam) .....AAAA  
Pfriemer, Chas., 229 E. 22d  
(Piano) .....O  
Salem Nail Co., 279 Pearl  
(Slaters' best Steel) ..B  
Schmidt, David H., 1945  
Park Av. (Piano) .....O  
Strauth Bros., 30 10th Av.  
(Piano) .....A  
N. Y.—Norwich  
Maydole Hammer Co., David  
(Blacksmiths'; Bollermak-  
ers'; Crucible Steel Chip-  
ping; Nail; Engineers'  
Farriers; Machinists';  
Claw; Coopers'; Masons';  
Riveting; Stone Cutters';  
Tack; Tinnners'; Magnetic)  
B

**N. Y.—Rochester**

Streeter & Co., N. R.  
(Steak) .....A

**OHIO—Alliance**

Alliance Machine Co. (Drop;  
Steam) .....AA  
Morgan Engineering Co.  
(Drop; Power; Steam)  
AAAA

**OHIO—Canton**

Elbel Co. (Tack; Setter &  
Lifter Combined) .....A

**OHIO—Cleveland**

Cady Machine Co. (Drop) X  
Chisholm & Moore Mfg. Co.  
(Pneumatic) .....AA  
Cleveland Pneumatic Tool  
Co. (Pneumatic; Steam) A  
Lane Tool Co., 1196 Hamil-  
ton (Steam; Drop; Forge)  
D

Strong, Carlisle & Hammond  
Co., 61 Frankfort (Machin-  
ists') .....A

**OHIO—Columbus**

Columbus Anvil & Forging  
Co. (Saw Makers') ....D

**OHIO—Cuyhoga Falls**

Turner, Vaughn & Taylor  
Co. (Power) .....B

**OHIO—Hamilton**

Long & Allstatter Co. (Drop;  
Helve; Power) .....AA  
Niles Tool Wks. Co. (Steam)  
AAAA

**OHIO—Miamisburg**

Kauffman, J. A. (Light  
Power) .....D

**OHIO—Ravenna**

Williams, A. C. (Tack;  
Nail) .....A

**OHIO—Tiffin**

National Machinery Co.  
(Power) .....AA

**OHIO—Toledo**

Toledo Fdry. & Machine Co.,  
202 Cherry (Pile Drivers')  
B

Toledo Machine & Tool Co.  
(Power) .....A

**OHIO—Warren**

Denison Mfg. Co. (Tack) F

**PA.—Allegheny**

Carlins' Sons, Thos. (Pile  
Drivers') .....A

**PA.—Bellefonte**

Lingle, J. H. (Helve) ..D

**PA.—Bethlehem**

Strock & Co., L. W.  
(Sledge) .....D

**PA.—Chambersburg**

Chambersburg Engineering  
Co. (Drop; Power; Steam)  
A

**PA.—Chester**

Black & Co. (Butchers' Kill-  
ing) .....AA

**PA.—Erie**

Erie Specialty Co. (Con-  
fectioners' Candy) ....B

**PA.—Glassport**

American Axe & Tool Co.  
(Brick) .....AAAA

**PA.—Harrisburg**

Hickok Mfg. Co., W. O.  
(Bookbinders' Beating) AA

**PA.—Ogontz**

Hammond & Son, C. (Black-  
smiths'; Masons'; Rivet-  
ing; Tack; Nail; Brick-  
layers'; Saddlers'; Shoe-  
makers') .....A

**HAMMERS (Con.)****PA.—Philadelphia**

Bement, Niles & Co.  
(Steam) .....AAAA  
Dallett Co., Thos. H., 2303  
York (Pneumatic) .....B  
Dienelt & Eisenhardt, 1802  
N. Howard (Power) .A  
Disston & Sons, Henry  
(Inc.) (Tack; Nail) AAAA  
Germantown Tool Wks., 518  
Commerce (Brick) ....A  
Justice & Co., Philip S.,  
14 N. 5th (Power) ....D  
Nittinger, August (Hog  
Killing) .....A  
Phila. Pneumatic Tool Co.,  
21st & Allegheny Av.  
(Calking; Pneumatic;  
Pneumatic Chipping) ..B  
Phila. Steel & Iron Co.  
(Tack; Nail) .....X

Plumb, Fayette B. (Inc.)  
(Machinists'; Masons';  
Napping; Pavers'; Rivet-  
ing; Stone Cutters'; Shoe-  
makers') .....AA

Sellers & Co., Wm. (Inc.)  
1600 Hamilton (Steam)  
AAAA

Stortz & Son, Jno., 210 Vine  
(Masons'; Pavers'; Sla-  
ters') .....E

Stow Flexible Shaft Co.,  
26th & Collowhill (Electric  
Claw) .....B

Stubbs Steel Co. (Bush) ..E  
U. S. Metallic Packing Co.,  
(Pneumatic) .....B

**PA.—Pittsburg**

Baird Machinery Co., V.  
(Steam) .....B

Hubbard & Co., Murland  
Bldg. (Blacksmiths';  
Stone Cutters') .....AA

Iron City Tool Wks., 32nd  
& Smallman (Black-  
smiths'; Masons'; Nap-  
ping) .....A

Jones & Laughlins Steel Co.  
(Blacksmiths'; Machin-  
ists'; Masons'; Riveting)  
AAAA

Klein-Logan Co., So. 13th &  
Breed (Blacksmiths';  
Bush; Masons'; Napping;  
Stone Cutters') .....A

Pittsburg Tool & Drop Forge  
Co., Arrott Bldg. (Ma-  
sons'; Napping) .....D

Scaife Fdry. & Mach. Co.,  
28th & Smallman (Drop) B

Tretheway & Co., Saml.  
(Ltd.) (Steam, especially  
for tool steel) .....F

**PA.—Reading**

Chantrell Tool Co. (Cast-  
Iron; Steel; Nail; Tack) B

Franklin Specialty Co.  
(Nickel Plated Claw;  
Tack; Nail) .....G

**PA.—South Bethlehem**

Bethlehem Fdry. & Mach.  
Co. (Pile Drivers'; Steam)  
C

**PA.—Wrightsville**

Wrightsville Hdw. Co.  
(Tack; Nail; Upholster-  
ers'; Steak; Toy) .....B

**R. I.—Providence**

Iroquois Machine Co. (Plain;  
Automatic Drop) .....A

**VT.—Barre**

Trow & Holden (Stone Cut-  
ters') .....B

**VT.—St. Johnsbury**

Fairbanks & Co., E. & T.  
(Power) .....AAAA

**W. VA.—Wheeling**

Warwood Tool Co. (Heavy)  
B

**WIS.—Racine**

Dickey Mfg. Co., A. P.  
(Drop) .....F

**HAMMOCKS**

CAL.—San Francisco  
Neville & Co. (Inc.) .....A

**CONN.—Middletown**

Palmer, I. E. (Arawana  
Mills) Double; Patent;  
Willow) .....AAAA

**ILL.—Chicago**

Tricksen Mfg Co. ....E

## HAMMOCKS (Con.)

**MASS.**—Boston  
Amer. Net & Twine Co... AAA  
**MASS.**—North Weymouth  
Brayshaw, James .....F  
**MASS.**—Quincy  
Thomas & Co., T. B. ....F  
**MINN.**—Minneapolis  
Lloyd Mfg. Co. (Woven Wire) .....A  
**MO.**—St. Louis  
Missouri Tent & Awning Co. ....B  
**N. J.**—Mt. Holly  
Standard Hicks Hammock Co. ....C  
**New York City**  
Boyle & Co., John 112 Duane (Canvas) .....AA  
Hoffman-Corr Mfg. Co., 107 Duane .....AA  
Travers Bros. Co., 41 Worth .....AA  
**OHIO**—Columbus  
Sun Mfg. Co. (Automatic; Swinging) .....A  
**OHIO**—Dayton  
Ohio Bake Co. (Lawn) ..AA  
**PA.**—Philadelphia  
Fowler Net & Twine Co., 200 Market .....C  
Masland Co., Joseph H., 4819 Germantown Av. ....E  
Patterson, Jos. B., 8th & Dauphin .....B  
Shoyer & Co., D. W., 18th & Bristol .....B  
Weston & Wells Mfg. Co., 1110 Noble .....B  
Woodcock Bros. ....C  
**WIS.**—Fond du Lac  
Fond du Lac Awning & Tent Co. ....B  
**WIS.**—La Crosse  
La Crosse Hammock Co...D  
Western Hammock Co...E  
**WIS.**—Milwaukee  
Gem Hammock & Fly Net Co. (Woven Cotton; Knot; Mexican Grass) .....A  
Meinecke & Son, A. (Woven Cotton; Knotted; Mexican Grass) .....AA

## HAMPERS

**ALA.**—Bridgeport  
Bridgeport Woodenware Mfg. Co. (Bean) .....B  
**ILL.**—Chicago  
Chicago Willow & Rattan Wks., 424 Blue Island Av. (Automobile) .....C  
Wilt, Chas. T. ....B  
**IND.**—Peru  
Peru Basket Co. (Square Clothes) .....B  
**MASS.**—Gardner  
Heywood Bros. & Wakefield Co. (Willow) .....AAAA  
**MICH.**—Belding  
Ballou Basket Wks. (Candy Shipping) .....B  
**MO.**—St. Louis  
Huke Rattan & Willow Ware Mfg. Co., Wm. (Reed; Rattan) .....D  
**New York City**  
Leipzig, Abraham (Laundry Shipping) .....A  
**N. Y.**—Foughkeepsie  
Lane & Bro., W. T. (Canvas Shipping) .....C  
Poughkeepsie Art Pulp Co. (Automobile) .....F  
**WIS.**—Milwaukee  
Meinecke & Son, A. (Laundry Shipping) .....AA

## HAMS

See Meat Packers

## HANDCUFFS

**CONN.**—New Haven  
Marlin Fire Arms Co. ...AA  
**N. Y.**—Binghamton  
Wilkinson Mfg. Co. ....A  
**New York City**  
Tower & Lyon Co., 95 Chambers .....B

## HAND-KERCHIEFS

**CONN.**—South Manchester  
Cheney Bros. (Inc.) (Crêpe; Silk) .....AAAA  
**N. J.**—Camden  
Loeb & Schoenfeld Co... AAAA  
**N. J.**—Paterson  
Anderson Bros. (Silk) ...X  
Ashley & Bailey Co. (Silk) AAA  
Ball, Wm. H. (Silk) ...C  
Dexter, Lambert & Co. (Crêpe; Silk) .....AAAA  
Doherty & Wadsworth Co. (Silk) .....AA  
Holmes Silk Co. (Silk) ...A  
Phoenix Silk Mfg. Co. (Silk) .....AAAA  
Taylor Silk Mfg. Co. (Silk) .....C  
**New York City**  
Herrmann, Aukam & Co. (Cotton) .....AAAA  
Schwab & Co., S. M., Jr. (Cotton) .....A  
Stearns & Co., John N. (Silk) .....AAAA  
Horlikoshi & Co., Z. (Silk) B  
**PA.**—Columbia  
Ashley & Bailey Co. (Silk) AAA  
**R. I.**—Providence  
Grosvenor-Dale Co. (Cotton) .....AAAA

## HANDLES

See also Heads; Hardware; Carriage.

**ALA.**—Huntsville  
Henderson, Murphree & Henderson (Wood) ...AA  
Southern Handle Mfg. Co. (Wood) .....C  
**ALA.**—Mobile  
Zelnicker Supply Co., Walter A. (Axe; Maul; Hickory, etc.) .....B  
**ALA.**—Union Springs  
Caldwell & Ramsey (Wood) D  
**ARK.**—Little Rock  
Little Rock Hoop Co. (Wood) .....D  
**ARK.**—Paragould  
Rogers-Meiser Handle Co. (Axe; Pick; Hammer, etc.) .....E  
**CONN.**—Bridgeport  
Burns-Silver & Co. (Ratchet Brake) .....A  
Knapp & Cowles Mfg. Co. (Awl; Iron) .....C  
Krouse, A. & A. L. (Cane; Parasol; Umbrella; Whip) E  
**CONN.**—Clinton  
Kelsey, Horatio (Axe; Hammer; Hatchet; Pick; Soldering Iron; Stave Cutter) E  
**CONN.**—Deep River  
Williams & Marvin Co. (Wood; Auger; Awl; Chisel; File; Wrench; Ice Pick) .....D  
**CONN.**—Hartford  
Billings & Spencer Co. (Drop Forged Brake; Machine; Ratchet Brake) ..AA  
**CONN.**—Meriden  
Foister, Merriam & Co. (Drop) .....AA  
**CONN.**—Middletown  
Rogers & Hubbard Co. (Cutlery) .....A  
**CONN.**—Mount Carmel  
Woodruff & Sons, Walter W. (Drop; Vehicle Seat) A  
**CONN.**—New Britain  
Corbin, P. & J. (Bronze; Door) .....AAAA  
North & Judd Mfg. Co. (Shawl Strap) .....AA



**HANDLES (Con.)**

Stanley Rule & Level Co.  
(Awl; Plane; Saw; Chest;  
Screwdriver) .....AAA  
CONN.—New Haven  
Mallory, Wheeler Co. (Bar;  
Bronze; Store Door) ...AA  
CONN.—Fine Meadow  
Chapin-Stevens Co. (Plane;  
Saw; Chisel; File; Awl;  
Carrying Tool, Wood) ....A  
CONN.—Salisbury  
Salisbury Cutlery Handle  
Co. (Wooden; Outlery).O  
CONN.—Saugatuck  
Doosher Plane & Tool Co.  
(Leather Head Wooden  
Chisel) .....E  
CONN.—Seymour  
Swan Co., Jas. (Auger;  
Chisel) .....A  
CONN.—Southington  
Peck, Stow & Wilcox Co.  
(Auger; File; Soldering  
Iron; Chest) .....AAAA  
CONN.—Stamford  
Yale & Towne Mfg. Co.  
(Store Door) .....AAAA  
CONN.—Torrington  
Union Hdw. Co. (Electric  
Switch; Knife; Mop; Awl;  
Chisel; File; Screw-  
driver) .....AA  
CONN.—Waterbury  
Amer. Ring Co. (Drop) ...A  
Benedict & Burnham Mfg.  
Co. (Drop) .....AAAA  
Plume & Atwood Mfg. Co.  
(Drop) .....AAAA  
GA.—Atlanta  
Atlanta Woodenware Co.  
(Wooden Axe) .....B  
GA.—Rome  
Towers & Sullivan Mfg.  
Co. (Plow) .....B  
ILL.—Chicago  
Adams & Westlake Co., On-  
tario & N. Franklin  
(Ratchet Brake) .....AAAA  
Einhorn & Co., C., 214 S.  
Clinton (Electric Switch)  
G  
Geisen & Co., N. (Wooden  
Hammer) .....B  
Hubbard & Co., 125 Kinzie  
(Mop; Broom) .....X  
McGuire-Cummings Mfg.  
Co., 122 N. Sangamon  
(Brake) .....AA  
Simons Bros. & Co., 108  
State (Cane; Umbrella).A  
ILL.—Chicago Heights  
Hartwell Bros. (Hammer)  
D  
ILL.—Flora  
Meyer Bros. (Wooden Axe,  
etc.) .....B  
ILL.—Freeport  
Arcade Mfg. Co. (Boiler).A  
Stover Mfg. Co. (Chest;  
Mop; Door; Store Door;  
Broom; Boiler) .....AA  
ILL.—Shelbyville  
Shelbyville Handle & Mill-  
ing Co. ....D  
IND.—Auburn  
Cherry & Co., J. M.  
(Wooden) .....D  
IND.—Bluffton  
Buck, J. M. (Wooden) ...C  
IND.—Columbus  
Columbus Handle & Tool  
Co. (Wood Shovel, etc.)  
B  
IND.—Frankfort  
Cleveland & Palmer  
(Wooden) .....D  
Frankfort Handle Mfg. Co.  
(Wooden; Adze; Axe;  
Blacksmiths'; Hammer;  
Hatchet; Hickory; Maul;  
Pick; Sledge) .....E  
IND.—Huntingburg  
Hartwell Mfg. Co. (Adze;  
Axe; Chisel; File; Ham-  
mer; Hatchet; Pick;  
Sledge) .....F  
IND.—Indianapolis  
Atkins & Co., E. C. (Saw)  
AAAA  
IND.—Logansport  
Hillock & Pitman (All  
Kinds Wooden) .....E

**HANDLES (Con.)**

Howe, Saml. E. (Wooden)  
A  
IND.—Marion  
Marion Handle & Mfg. Co.  
(Shovel; Spade) .....X  
IND.—Montpelier  
Jackson Shovel & Tool Co.  
(Wooden Shovel; Spade,  
etc.) .....B  
IND.—New Albany  
Force Handle Co., I. F.  
(Wooden) .....C  
IND.—New Castle  
Jennings, S. P. (Wooden).O  
IND.—New Haven  
Schnitker & Fisher  
(Wooden) .....E  
Sperry Mfg. Co. (Wooden)  
E  
IND.—Vincennes  
Hartwell Bros. (Wooden;  
Adze; Axe; Hammer;  
Hatchet; Hickory; Maul;  
Pick; Sledge) .....B  
Indiana Handle Co.  
(Wooden) .....D  
IND.—Warsaw  
Lesh Mfg. Co., G. B.  
(Farming Tool) .....D  
IOWA—Dubuque  
Adams Co. (Boiler) .....A  
IOWA—Fort Madison  
Iowa Farming Tool Co.  
(Farming Tool) .....A  
KY.—Louisville  
Turner, Day & Woolworth  
Handle Co., 1818 7th  
(Wooden Adze; Axe;  
Blacksmiths'; Farming  
Tool; Hammer; Hatchet;  
Ice Pick; Maul; Pick;  
Hickory; Sledge; Straight  
Taper) .....AA  
MAINE—Augusta  
Harvey Handle Co., H. H.  
(Wooden Hammer; Pick;  
Sledge) .....D  
MAINE—East Hiram  
Flint, Nathan Ripley  
(Axe) .....G  
MAINE—Gardiner  
Oakland Mfg. Co. (Wooden  
Broom) .....B  
MASS.—Boston  
Sewing Machine Supplies  
Co. (Shoe Knife) .....B  
Standard Turning Wks., 58  
State (Wooden) .....C  
MASS.—Fitchburg  
Novelty Turning Co. (Cir-  
cuit Breaker; Electric  
Switch; Wooden Hand  
Tool; Switch, etc.) ....E  
Sawyer Tool Mfg. Co.  
(Wire Valve) .....C  
MASS.—Greenfield  
Bugg Mfg. Co. (Rake) ...F  
MASS.—Harvard  
Murphy & Sons, Robert....F  
MASS.—Leominster  
Goodhue & Phillips (Horn)  
E  
MASS.—Northampton  
Smith, Chas. O. (Wooden  
Broom) .....E  
MASS.—Sharon  
Lothrop Mfg. Co., H. A.  
(Awl) .....X  
MASS.—Westboro  
Hunt Leather Goods Co.  
(Leather Bag) .....B  
MASS.—Worcester  
Warren Leather Goods Co.  
(Leather Trunk) .....B  
MICH.—Birmingham  
Zimmerman, J. N.  
(Wooden) .....E  
MICH.—Cadillac  
Cadillac Handle Co.  
(Broom; Torch) .....C  
MICH.—Coldwater  
Hellenberg & Son, J. B.  
(Wooden) .....E  
MICH.—Escanaba  
Escanaba Wooden Ware Co.  
(Mop; Broom) .....AA  
MICH.—Ewart  
Champion Tool & Handle  
Wks. (Wooden) .....AA  
MICH.—Freeport  
Cheesebrough, Job (Wooden  
Rake) .....D

**HANDLES (Con.)**

**MICH.**—Gallen  
Montrose, Richard W.  
(Farming Tool) .....B  
**MICH.**—Grand Rapids  
Grand Rapids Brass Co.  
(Drop) .....A  
**MICH.**—Jackson  
Withington & Cooley Mfg.  
Co. (Wooden Farming  
Tool; Fork; Hoe; Rake;  
Scoop; Shovel; Spade).AA  
**MICH.**—Mancelona  
Mancelona Handle Co.  
(Wooden) .....B  
**MICH.**—Vanderbilt  
Olds & Hudson (Broom)..A  
**MINN.**—St. Paul  
Rauscher, Jno., 98 W. 3rd  
(Circuit Breaker; Electric  
Switch) .....H  
**MISS.**—Jackson  
Burleigh's Sons, R. G.  
(Wooden) .....B  
**MO.**—Dexter  
I. X. L. Handle Mfg. Co.  
(Wooden) .....D  
**MO.**—Kirksville  
Storm, Jno. (Wooden) ..D  
**MO.**—Memphis  
Rees Bros. Mfg. Co.  
(Wooden) .....E  
**MO.**—Fuxico  
Fulkerson Bros. Handle Co.  
(Wooden) .....D  
**MO.**—St. Louis  
Beck & Corbitt Iron Co.  
(Plow) .....D  
Central Union Brass Co.  
(Brake) .....E  
Handlan-Buck Mfg. Co., 212  
N. 3rd (Car Coupling;  
Iron Shovel) .....AA  
Western Electric Supply Co.  
(Brake) .....X  
**N. H.**—Concord  
Page Belting Co. (Trunk) ..AA  
**N. H.**—Keene  
Ellis, Austin A. (Wooden  
Brush) .....D  
Pierce & Co., F. B.  
(Wooden Brush) .....B  
**N. H.**—Manchester  
Piper, B. H. (Wooden Axe,  
etc.) .....D  
**N. H.**—Milford  
Pierce & Co., W. E.  
(Wooden) .....D  
**N. H.**—North Weare  
Flanders Hardware Co.  
(Butcher's Knife) .....G  
**N. H.**—Sunapee  
Alexander & Perkins (Fork;  
Hoe) .....F  
**N. H.**—Wolfboro Falls  
Berry Co., O. B. (Wooden)  
.....D  
**N. J.**—Newark  
Bannister & Co., A. F.  
(Ivory; Pearl; Iron; Cel-  
luloid Umbrella) .....A  
Celluloid Co. (Celluloid Um-  
brella) .....B  
Cross Mfg. Co., C. E., 67  
Hamilton (Leather Dress  
Suit Case; Bag) .....F  
Durand Mfg. Co., 28 Pros-  
pect (Circuit Breaker).B  
Gould's Son & Co., M.  
(Leather Trunk) .....A  
Jenkinson & Co., R. C.  
(Leather Bag) .....AA  
National Saw Co. (Plane;  
Saw; Cross-Cut Saw)...B  
Sterling-Meaker Co., 420 Og-  
den (Electric Car Brake)  
.....D  
Unger Bros. (Cane; Um-  
brella) .....A  
**N. Y.**—Addison  
Harrison, Jas. S. (Plow;  
Wooden) .....D  
**N. Y.**—Albany  
Troy Nickel Wks. (Gaitley,  
Jno. E.) (Boiler; Valve;  
Soldering Iron; Drop,  
etc.) .....C  
**N. Y.**—Amsterdam  
Amsterdam Broom Co.  
(Mop; Broom) .....A  
**N. Y.**—Brooklyn  
Columbia Machine Wks. &

**HANDLES (Con.)**

Malleable Iron Co., 187  
Chestnut (Adjustable;  
Ratchet Brake) .....A  
Electrose Mfg. Co., 127 N.  
10th (Electric Switch).B  
Williams & Co., J. H., 9  
Richards (Machine;  
Crank) .....AA  
**N. Y.**—Buffalo  
Buffalo Specialty Mfg. Co.,  
375 Ellicott (Rawhide  
Tool; Leather Tool) ...B  
Elias & Bros., G. (Ash)...AA  
Union Mfg. Co. (Mop;  
Wooden) .....C  
**N. Y.**—Horseheads  
Weller Hdw. & Fdry. Co.  
(Boiler) .....D  
New York City  
Barron & Co., Jas. S., 202  
W. B'way (Broom) ...A  
Basch Bros., 67 Spring  
(Cane; Umbrella) .....D  
Bogert & Hopper, 162 Wil-  
liam (Electric Switch)..B  
Carpenter & Bayles, 91  
Chambers (Wooden) ...D  
De Muth & Co., Wm., 507  
B'way (Cane; Umbrella)  
.....AAA  
Estes & Sons, E. B., 45  
John (Electric Switch;  
Cutlery; Knife; Awl;  
Farming Tool; Hammer;  
Hatchet; Ice Pick; Saw;  
Screwdriver; Shoeknife)  
.....AA  
Fradley & Co., J. F., 114 E.  
14th (Cane; Umbrella)..E  
Friedman & Co., M. (Para-  
sol; Umbrella) .....D  
Grote & Co. F., E. 14th St.  
(Ivory) .....D  
Harrison, W. W., 1149  
B'way (Cane; Umbrella)  
.....D  
Gutta Percha & Rubber  
Mfg. Co. (Electric  
Switch) .....AAA  
Houchin Co., Thos. W.  
(Feather Duster; Exten-  
sion Torch) .....D  
Jennings & Co., C. E.  
(Auger) .....B  
Locklin & Sons, P. H., 142  
Fulton (Cane; Umbrella)  
.....G  
Lott & Schmitt, 116 Walker  
(Cane; Umbrella) .....C  
Ludwig, A., 75 Spring  
(Box) .....B  
Luxenberg & Haskell, 177  
Grand (Silver, Gold, etc.,  
Umbrella) .....B  
Marx & Co., A., 210 Canal  
(Cane; Umbrella) .....A  
Metal Stamping Co. (Door;  
Vehicle Seat) .....A  
Millers Falls Co., 28 Warren  
(Auger) .....AA  
Morgenstern & Goldsmith  
(Umbrella) .....C  
Rest, Fenner, Smith Co.,  
(Umbrella) .....C  
Shardlow, Joseph, 116 Ful-  
ton (Ivory Cane) .....D  
Simons, Bro. & Co., 170  
B'way (Cane; Umbrella)  
.....C  
Stokes & Co., Wm. A., 30  
Warren (Umbrella) ....C  
**N. Y.**—Rochester  
Sargent & Greenleaf Co.  
(Store Door) .....AA  
**N. Y.**—Syracuse  
New Process Rawhide Co.  
(Rawhide Tool) .....B  
Stearns & Co., E. C. (Chisel;  
Bar Door) .....AA  
**N. Y.**—Troy  
Hart Specialty Co. (Mop).X  
Parks & Parks (Mop) ...D  
**N. Y.**—Unadilla  
Tie Co. (Labelled Parcel).D  
**N. Y.**—Yonkers  
India Rubber & Gutta  
Percha Insulating Co.  
(Electric Switch) .....B  
**N. C.**—Greensboro  
Merrimon, B. H. (Woolen).A

**HANDLES (Con.)**

**N. O.—McLeanville**  
 Forbes Mfg. Co. (Wooden Broom) .....D  
**OHIO—Akron**  
 Baker - McMillen Co. (Wooden Coffee Pot; Enamelled Wood; Pail; Tool; Rubber Stamp)...B  
 Goodrich Co., B. F. (Electric Switch) .....AAAA  
 Whitman & Barnes Mfg. Co. (Machine) ....AAAA  
**OHIO—Alliance**  
 Transue & Williams Co. (Machine) .....A  
**OHIO—Canton**  
 Kohler & Co., F. E. (Mop; Broom) .....C  
**OHIO—Chagrin Falls**  
 Ober Mfg. Co. (Sad Iron).C  
**OHIO—Cincinnati**  
 Knecht Co., Victor (Leather Trunk) .....B  
**OHIO—Cleveland**  
 Federal Mfg. Co., Amer. Trust Bldg. (File).AAAA  
**OHIO—Columbus**  
 Brown, Hinman & Huntington Co. (Farming Tool).A  
 Ohio Tool Co. (Special; Auger; Awl; Chisel; File; Plane) .....AA  
**OHIO—Dayton**  
 Dayton Mfg. Co. (Brake; Street Car Brake) .....A  
**OHIO—Edon**  
 Shellne, E. R. (Wooden)..D  
**OHIO—Hicksville**  
 Kerr Bros. Mfg. Co. (Brush; Mop; Special; Farming Tool; Fork; Ice Hook; Shovel) .....C  
**OHIO—Lima**  
 Selfridge Co., O. B. (D.).X  
**OHIO—Mansfield**  
 Ohio Brass Co. (Brake; Ratchet Brake) .....AA  
**OHIO—Monroeville**  
 Yingling Bros. & Co. (Wooden) .....B  
**OHIO—Piqua**  
 Piqua Handle & Mfg. Co. (Brush; Carpet Sweeper; Crank; Feather Duster; Knife; Mop; Sad Iron; Torch; Awl; Brace; Cant Hook; Chisel; Cleaver; "D."; Farming Tool; File; Fork; Garden Set; Hammer; Hatchet; Hoe; Ice Hook; Ice Pick; Machine; Rake; Cross-cut Saw; Scoop; Screwdriver; Shoe Knife; Shovel; Spade; Trowel; Straight Taper; Wrench; Valve).A  
**OHIO—Spencerville**  
 Raynolds, W. A. (Wooden) .....C  
**OHIO—Sandusky**  
 Sandusky Tool Co. (Wooden Saw; Plane; File; Chisel; Awl; Auger, etc.) .....A  
**OHIO—Sidney**  
 Benjamin & Son, C. R. (Wooden) .....C  
**OHIO—Wapakoneta**  
 Standard Churn Co. (Wooden) .....B  
**PA.—Bedford**  
 McLaughlin & Son, J. L. (Wooden Axe) .....E  
**PA.—Chester**  
 Keystone Drop Forge Wks. (Machine) .....B  
**PA.—Eldred**  
 Prouty & Co., C. (Wooden Cross-Cut Saw; Cant Hook, etc.) .....B  
**PA.—Kane**  
 Holgate Bros. Co. (Wooden Artists' Brush, etc.) ..B  
**PA.—Lancaster**  
 Lancaster Silver Plate Co. (Umbrella) .....C  
**PA.—Lebanon**  
 Amer. Iron & Steel Mfg. Co. (Brake) .....AAAA  
**PA.—Mechanicsburg**  
 Wilcox Mfg. Co., D. (Machine) .....A

**HANDLES (Con.)**

**PA.—Philadelphia**  
 Brill Co., J. G., 62nd & Woodland Av. (Brass; Malleable Iron Brake; Ratchet Brake) .....AAAA  
 Harvey & Watts Co., 1804 E. Venango (Ivory; Horn; Bone; Wood Umbrella)..A  
 Haslet, Flanagan & Co. (Wash Boiler) .....B  
 Randolph, Wm. C., 243 Arch (Bone; Whisk Broom) .....E  
**PA.—Pittsburg**  
 Armstrong Cork Co. (Cork Fishing Rod) .....AAAA  
**PA.—Reading**  
 Chantrell Tool Co. (Hollow Tool) .....B  
 Penn. Hdw. Co. (Chest).AA  
**PA.—Scranton**  
 Scranton Button Co. (Electric Switch) .....A  
**PA.—Union City**  
 Novelty Wood Wks. Co. (Wooden Awl; File; Ice Pick; Wrench) .....B  
**PA.—Warren**  
 Peterson, Samuel (Wooden Pick; Mining, etc.) ...A  
**PA.—Wrightsville**  
 Wrightsville Hdw. Co. (Roller; Surface Chest).B  
**R. I.—Pawtucket**  
 Bliss Mfg. Co., R. (Auger; Awl; Chisel) .....AAAA  
**R. I.—Providence**  
 Amer. Enamel Co. (Circuit Breaker; Electric Switch) B  
 Braitsch & Co., W. J. (Umbrella) .....C  
**TENN.—Knoxville**  
 Amer. Handle Co. (Ash; Hickory) .....AA  
 Standard Handle Co. (Axe; Hammer; Hickory; Pick; Sledge) .....C  
**TENN.—Nashville**  
 Nashville Spoke & Handle Co. (Axe; Chisel; Farming Tool; Hammer; Hatchet; Hoe; Pick; Ice Pick; Rake; Screwdriver; Sledge; Shoe Knife) .....AA  
 Parkes & Co., Geo. S. (Wooden) .....B  
**TENN.—Sequatchie**  
 Sequatchie Handle Wks. (Wooden) .....D  
**TENN.—Tullahoma**  
 Campbell & Dann Mfg. Co. (Wooden File; Chisel, in the white) .....B  
**VT.—Bellows Falls**  
 Derby & Ball (Farming Tool; Fork) .....B  
**VT.—Burlington**  
 Vermont Shade Roller Co. (Mon) .....A  
**VT.—East Arlington**  
 Judson, J. R. (Wooden Kitchen Knife; Brush, etc.) .....B  
**VT.—Hyde Park**  
 Page, Carroll S. (Bone Knife) .....A  
**VT.—Marion**  
 Look & Lincoln (Plow)...A  
**WIS.—Racine**  
 Racine Malleable & Wrought Iron Co. (Vehicle Seat) .....A

**HANDS**

**MASS.—Winchester**  
 Winn & Son, J. H. (Clock; Watch) .....B  
**New York City**  
 Condell, A., 852 B'way (Artificial) .....D  
 Frees, C. A., 853 B'way (Artificial) .....X  
**OREGON—Portland**  
 Portland Artificial Limb Co. (Artificial) .....F

**HANGERS**

**ALA.—Huntsville**

**HANGERS (Con.)**  
Huntsville Fdry. & Mach.  
Wks. (Nolan & Jones,  
Prop.) (Shaft; Post;  
Bracket) .....B  
**COLO.—Denver**  
Davis Iron Wks., F. M.,  
8th & Larimer (Shaft;  
Post; Bracket) .....AA  
**CONN.—Bridgeport**  
Bridgeport Brass Co. (Chain  
Lamp) .....AAA  
**CONN.—Meriden**  
Bradley & Hubbard Mfg.  
Co. (Chain Lamp).....AAAA  
Miller & Co., Edward  
(Chain Lamp) .....AAAA  
**CONN.—New Britain**  
Corbin, P. & F. (Sliding  
Door) .....AAAA  
Union Mfg. Co. (Barn  
Door) .....AA  
**CONN.—New Haven**  
Peck Bros. & Co. (Pipe)...  
AA  
**CONN.—Norwalk**  
Arnold Co. (Barn Door)...C  
**CONN.—Southington**  
Beaton & Corbin Mfg. Co.  
(Pipe) .....D  
**CONN.—Stamford**  
Yale & Towne Mfg. Co.  
(Sliding Door) .....AAAA  
**CONN.—Waterbury**  
Plume & Atwood Mfg. Co.  
(Sliding Door) .....AAA  
Waterbury-Farrell Fdry. &  
Machine Co. (Shaft; Post;  
Bracket) .....AA  
**DEL.—Wilmington**  
Diamond State Steel Co.  
(Stirrup) .....X  
**GA.—Atlanta**  
Conklin Tin Plate & Metal  
Co. (Eave Trough) ...A  
**GA.—Columbus**  
Golden Fdry. & Mach Co.  
(Shaft; Post; Bracket).A  
**ILL.—Aurora**  
Wilcox Mfg. Co. (Barn;  
Sliding Door) .....B  
**ILL.—Chicago**  
Barbee Wire & Iron Wks.  
(Clothes; Trousers) ....B  
Central Electric Co., 264  
5th Av. (Straight Line  
Trolley Wire) .....A  
Chicago Nut Co., 207 S.  
Canal (Cable) .....E  
Continental Bolt & Iron  
Wks., 22nd & Union  
(Stirrup) .....A  
Crane Co. (Pipe) .....AAAA  
Outter Co., Geo., 127 Ful-  
ton (Arc Lamp) .....C  
Davis Co., Jno., 69 Mich-  
igan (Pipe) .....AA  
Excelsior Steel Furnace Co.,  
40 W. Monroe (Eave  
Trough) .....A  
Illinois Malleable Iron Co.,  
30 W. Monroe (Pipe)...  
AAAA  
Jones Fdry. & Mach. Co.,  
W. A., 143 W. North  
Av. (Shaft; Post; Brack-  
et) .....A  
Kaestner & Co. (Inc.), 241  
S. Jefferson (Shaft; Post;  
Bracket) .....A  
Melchior Bros. Furn. Co.,  
6 Dayton (Garment) ...C  
Peirce, Jr., C. L., 14 S.  
Jefferson (Cable) .....X  
Plamondon Mfg. Co., A.,  
57 S. Clinton (Shaft;  
Post; Bracket) .....A  
Republic Iron & Steel Co.  
(Stirrup) .....AAAA  
Skillin & Richards Mfg.  
Co., 147 Fulton (Shaft;  
Post; Bracket) .....C  
Smith Wire & Iron Wks.,  
F. P., 100 Lake (Jolt)  
AA  
Street & Kent Mfg. Co., 109  
S. Jefferson (Pipe) ...B  
Variety Mfg. Co., 54 N.  
Clinton (Jolt; Shaft  
Post; Bracket) .....D  
Walker & Ehrman Mfg. Co.  
(Bicycle Crank) .....A

**HANGERS (Con.)**  
Webster Mfg. Co., 1075 W.  
15th (Shaft; Post; Brack-  
et) .....AA  
**ILL.—Galva**  
Hayes Pump & Planter Co.  
(Pipe) .....A  
**ILL.—Harvard**  
Hunt, Helm, Ferris & Co.  
(Barn; Sliding Door)...AA  
**ILL.—Joliet**  
Bates Machine Co. (Shaft;  
Post; Bracket) .....AA  
Joliet Mfg. Co. (Eaves  
Trough) .....A  
**ILL.—Kewanee**  
Western Tube Co. (Expen-  
sion Pipe) .....AAA  
**ILL.—Marseilles**  
Moore, Joshua (Pipe) ....F  
**ILL.—Moline**  
Barnard & Leas Mfg. Co.  
(Shaft; Post; Bracket)  
AA  
**ILL.—Ottawa**  
Amer. Hdw. Mfg. Co (Pipe)  
O  
**ILL.—Peoria**  
Clark, Quilen & Morse  
(Eaves Trough) .....A  
**ILL.—Quincy**  
Modern Iron Wks. (Expan-  
sion or Ring Hooks Pipe)  
B  
**ILL.—St. Charles**  
Glenn Mfg. Co. (Pipe)....D  
**ILL.—Sterling**  
Lawrence Bros. (Sliding  
Door) .....AAA  
**ILL.—Streator**  
Iwan Bros. (Wire Conduc-  
tor; Pipe; Eaves Trough)  
O  
**IND.—Indianapolis**  
Tucker & Dorsey Mfg. Co.  
(Garment) .....A  
**IND.—Mishawaka**  
Dodge Mfg. Co. (Self-Oil-  
ing; Shaft; Post; Brack-  
et) .....AAA  
**IND.—New Albany**  
Goetz Box Anchor Co.  
(Jolt) .....O  
**KANS.—Leavenworth**  
Great Western Mfg. Co.  
(Self-Oiling; Post) ...AA  
**KY.—Louisville**  
Ahrens & Ott Mfg. Co.  
(Pipe) .....AAAA  
Horan Stay Hanger Co.  
(Eave Trough) .....F  
**MD.—Baltimore**  
Dietrich Bros., 344 North  
(Stirrup) .....B  
Ellicott Machine Co., Bush,  
cor Severn (Shaft; Post;  
Bracket) .....O  
National Supply Co., 7 W.  
Lombard (Stirrup; Pipe)  
B  
Poole Engineering & Mach-  
ine Co. (Shaft; Post;  
Bracket; Parting) ...AA  
Register's Sons Co., J., 49  
W. Holliday (Pipe) ...A  
**MASS.—Boston**  
Amer. Tool & Machine Co.,  
109 Beach (Self-Oiling;  
Shaft; Post; Bracket).AA  
Anderson Mfg. Co., Albert  
& J. M., (Arc Lamp)...A  
Barrett Mfg. Co., Jas., 215  
Franklin (Pipe) .....O  
Billings Co., D. L., 780  
Dudley (Pipe) .....F  
Boston Bolt Co., 31 Pur-  
chase (Pipe) .....O  
Crawford Specialty Co., 311  
Warren (Pipe) .....F  
Grundy & Co., J. E., 50  
Sudbury (Pipe) .....F  
Hodgdon Brass Wks.  
(Brass Pipe) .....E  
Macallen Co., W. T. C., 888  
Congress (Arc Lamp).AA  
Walworth Mfg. Co., 182  
Federal (Pipe) .....AAAA  
Webb Mfg. Co., F. W., 50  
Elm (Pipe) .....A  
Young, Jos. H., 224 Frank-  
lin (Pine) .....D  
**MASS.—Haydenville**  
Haydenville Co. ((Pipe)...A

**HANGERS (Con.)**

**MASS.—Holyoke**  
Coburn Trolley Track Mfg. Co. (Barn Door) .....A

**MASS.—Lowell**  
Woods, Sherwood & Co. (Plaque; Plate) .....E

**MASS.—Orange**  
Chase Turbine Mfg. Co. (Shaft; Post; Bracket)...A  
Hunt-Rodney Machine Co. (Shaft; Post; Bracket)...A

**MASS.—Worcester**  
Amer. Card Clothing Co. (Shaft; Post; Bracket)...AAA

Burlingame & Co., A. (Shaft; Post; Bracket)...D  
National Mfg. Co. (Garment) .....A  
Wire Goods Co. (Garment)...A

**MICH.—Detroit**  
Anderson & Sons, W. H. (Cable) .....C  
Michigan Bolt & Nut Wks., ft. Meldrum Av. (Stirrup) AA

Park & McKay Co., 55 Bagley (Pipe) .....C

**MICH.—Grand Rapids**  
Sproul & McGurrin (Pipe) B

Wolverine Brass Wks. (Pipe) .....A

**MO.—Kansas City**  
Witte Iron Wks. Co. (Shaft; Post; Bracket)...B

**MO.—St. Louis**  
Kupferle, Jno. C., 2nd & Mound (Expansion Pipe) AA

Medart Patent Pulley Co. (Self-Oiling; Cappillary or Ring Oiling; Shaft; Post; Bracket; Parting)...AAA

Moran Bolt & Nut Mfg. Co., Florida & Main (Stirrup) .....A

Pleuger & Henger Mfg. Co., 11th & Herbert (Pipe)...A

Union Iron & Fdry. Co., 1458 S. 2nd (Stirrup; Shaft; Post; Bracket)...A

**N. H.—North Groton**  
Kidder & Son, Daniel (Sliding Blind) .....F

**N. J.—Boonton**  
Lincoln Iron Wks. (Jolst: Iron Fire-Proofing) ...B

**N. J.—Harrison**  
Hyatt Roller Bearing Co. (Roller; Ball Bearing)...X

**N. J.—Jersey City**  
Griffing Iron Co., A. A., 440 Communipaw Av. (Pipe) .....AA

**N. J.—Newark**  
Cryer & Co., T. B., 240 High (Pipe) .....D

**N. J.—Smithville**  
Smith Machine Co., H. B. (Shaft; Post; Bracket)...A

**N. Y.—Auburn**  
Auburn Ball Bearing Co. (Ball Bearing) .....D

**N. Y.—Brooklyn**  
Hart-Ayres Plumbing Co., 4th Av. & De Graw (Pipe) .....D  
Miller & Van Winkle, 18 Bridge (Cycle) .....A  
Phillips, Jr., A. A., 2219 Pitkin Av. (Bridle Iron Jolst) .....D

**N. Y.—Buffalo**  
Crosby Co. (Coat) .....A  
Howard Iron Wks. (Shaft; Post; Bracket) .....A

**N. Y.—Oshoes**  
Johoes Iron Fdry. & Mach. Co. (Sliding Door) ....B

**N. Y.—Elmira**  
Jronk & Carrier Mfg. Co. (Barn; Sliding Door)...B

**N. Y.—Goshen**  
Newbury, Jay H. (Pipe)...B

**N. Y.—Monroe**  
Newbury Mfg. Co. (Adjustable Expansion, etc.)...D

**New York City**  
Barrou & Co., Jas. S. (Cable) A

**HANGERS (Con.)**

Blake & Williams, 210 W. 20th (Pipe) .....B

Brown Co., A. & F., 26 Cortlandt (Shaft; Post; Bracket) .....B

Cornell & Underhill, 45 Beach (Pipe) .....A

Eaton, Cole & Burnham Co., 253 B'way (Pipe)...AAAA

Evory Mfg. Co., 102 John (Pipe) .....E

Fee & Mason, 68 Beekman (Iron; Brass Pipe) ...F

General Incandescent Arc Light Co., 572 1st Av. (Arc Lamp) .....A

Hiscox & Co., W. T., 28 Cliff (Pipe) .....C

Hurd & Co., 578 B'way Cable) .....D

Johns-Manville Co., H. W., 100 William (Arc Lamp; Cable) .....AAAA

McCabe Hanger Mfg. Co., 425 W. 25th (Car Door)...B

McDougall & Potter Co., 608 W. 55th (Jolst) ...D

Mullaney's Son, Jas., 25th Lexington Av. (Brass Pipe) .....D

Przybil, Paul (Est. of) 512 W. 41st (Shaft; Post; Bracket) .....AA

Reilley Bros. (Plaque; Plate) .....D

Rutzler Co., E., 178 Centre (Pipe) .....A

Simmons Co., Jno., 106 Centre (Pipe) .....AA

United Mfg. & Supply Co., 100 William (Conduit)...D

United Metal Mfg. Co., 186 Wooster (Pipe) .....D

Western Electric Co. (Arc) AAAA

**N. Y.—Portchester**  
Russell, Burdall & Ward Bolt & Nut Co. (Stirrup) AAAA

**N. Y.—Poughkeepsie**  
Lane & Bros. Co. (Cycle; Ball Bearing Door; Barn; Sliding & Elevator Door)A

**N. Y.—Rochester**  
Estes Mfg. Co., 401 State (Ring; Self-Oiling) ...O

**N. Y.—Seneca Falls**  
Climax Specialty Co. (Pipe) .....B

Seneca Falls Mfg. Co. (Sliding Door) .....B

**N. Y.—Syracuse**  
Pass & Seymour (Arc Lamp) A

Stearns & Co., E. C. (Sliding Door) .....AA

**N. Y.—Unadilla**  
Tie Co. (Bicycle) .....D

**N. Y.—Utica**  
Blaiser & Co., M. E. (Pipe) C

**N. Y.—Yonkers**  
Yonkers Specialty Co. (Cable) .....F

**OHIO—Ashland**  
Myers & Bros., F. E. (Farm Gate) .....AAAA

**OHIO—Cambridge**  
Cambridge Roofing Co. (Eave Trough) .....B

**OHIO—Canton**  
Aultman Co. (Shaft; Post Bracket) .....AAAA

Berger Mfg. Co., (Eave-Trough) .....AA

Canton Steel Roofing Co. (Eave-Trough) .....A

Eller & Co., J. H. (Eave-Trough) .....A

Gibbs Mfg. Co. (Garment) A

**OHIO—Cincinnati**  
Cincinnati Tool Co. (Sliding Door) .....A

Creaghead Engineering Co., 313 Walnut (Trolley Wire) .....D

Fay & Egan Co., J. A., cor. Front & John (Self-Oiling; Shaft; Post; Bracket; Drop) .....AAAA

Greenwald Co., I. & E., 714 E. Pearl (Shaft; Post; Bracket) .....A

**HANGERS (Con.)**

Knecht Co., Victor (Post) B  
 Lane & Bodley Co., Cor.  
 John & Water (Shaft; Post; Bracket) .....B  
 Post-Glover Electric Co., 814 W. 4th (Trolley Wire) ..A  
 Schrieber & Sons Co., L., 8th & Eggleston Av. (Joist; Stirrup) .....AA  
**OHIO—Cleveland**  
 Adams-Bagnall Electric Co., Stanton & C. P. Crossing (Arc Lamp) .....B  
 Avery Stamping Co. (Pipe) .....B  
 Bartlett & Snow Co., C. O., French near Columbus (Shaft; Post; Bracket) ..A  
 Chisholm & Moore Mfg. Co. (Door) .....AA  
 Duplex Hanger Co. (Joist; Wall I. Beam) .....D  
 Hill Clutch Co., ft. Waverly Av. (Shaft; Post; Bracket) .....B  
 National Iron & Wire Co. (Steel Joist) .....B  
 Taylor & Boggis Fdy. Co. (Barn Door) .....AA  
 Van Dorn Iron Wks., Co. 1793 E. Madison Av. (Steel Joist; Shaft; Post; Bracket) .....AA  
**OHIO—Columbus**  
 Case Mfg. Co. (Shaft; Post; Bracket) .....A  
 Schroth & Potter (Extension Shade) .....B  
**OHIO—Coshocton**  
 Keagy & Lear Machine Co. (Shaft; Post; Bracket), C  
**OHIO—Cuyahoga Falls**  
 Falls Rivet & Machine Co. (Self-Oiling; Shaft; Post; Bracket) .....A  
**OHIO—Dayton**  
 Dayton Globe Iron Wks. Co. (Shaft; Post; Bracket), B  
 Fletcher Mfg. Co. (Arc Lamp) .....D  
**OHIO—Defiance**  
 Defiance Machine Wks. (Post) .....A  
**OHIO—Kenton**  
 Champion Iron Co. (Stirrup) .....AA  
**OHIO—Manafield**  
 Ohio Brass Co. (Arc Lamp; Trolley Wire) .....AA  
**OHIO—Massillon**  
 Hess, Snyder & Co. (Post) .....AA  
**OHIO—Middletown**  
 Amer. Steel Roofing Co. (Eave-Trough) .....AA  
**OHIO—Niles**  
 Bostwick Steel Lath Co. (Eave-Trough) .....C  
**OHIO—Salem**  
 Clark Co., W. J. (Joist) ..A  
**OHIO—Springfield**  
 Victor Supply Co. (Pipe) ..B  
**OHIO—Toledo**  
 Bissel & Co., F. (M. & P. Insulated Arc Lamp; Cabel) .....A  
 Heartley, Geo. W. (Eave-Through) .....D  
**OHIO—West Lafayette**  
 West Lafayette Mfg. Co. (Coat) .....E  
**OHIO—West Park**  
 Norton Tool Co. (Cable) ..C  
**PA.—Allegheny**  
 Bieseck, P., Allegheny Av. & Rebecca (Wrought Steel Joist) .....C  
**PA.—Allentown**  
 Allentown Fdry. & Mach. Wks. Co. (Shaft; Post; Bracket) .....A  
**PA.—Chambersburg**  
 Woods Sons, T. B. (Shaft; Post; Bracket) .....A  
**PA.—Chester**  
 Keystone Drop Forge Wks. (Step, for Cars) .....B  
**PA.—Erie**  
 Jarecki Mfg. Co. (Pipe) .....AAAA  
 Reed Mfg. Co. (Adjustable Pipe) .....A  
 Taper Sleeve Pulley Wks.

**HANGERS (Con.)**

(Self-Oiling) .....C  
**PA.—Hazleton**  
 Koenig, M. F. (Wire Garment) .....X  
**PA.—Lebanon**  
 Amer. Iron & Steel Mfg. Co. (Stirrup) .....AAAA  
**PA.—Mechanicsburg**  
 Wilcox Mfg. Co., D. (Bicycle Crank) .....A  
**PA.—Muncy**  
 Sprout, Waldron & Co. (Shaft; Post; Bracket; Self-Oiling) .....A  
**PA.—Philadelphia**  
 Belfield & Co., H., 435 N. Broad (Pipe) .....AA  
 Berger Bros. Co., 287 Arch. (Eave-Trough; Pipe) .....A  
 Berger, L. D., 59 N. 2d (Eave-Trough) .....C  
 Cresson Co., Geo. V., 18th & Allegheny Av. (Shaft; Post; Bracket; Parting; Self-Oiling) .....AA  
 Devlin Mfg. Co., Thos., 8d & Lehigh Av. (Pipe) ..AA  
 Flagg & Co., Stanley G., 19th & Penn Av. (Malleable Iron; Pipe) .....AAAA  
 Hall & Carpenter, 518 Race (Garment) .....AA  
 Hoopes & Townsend Co., 1330 Buttonwood (Stirrup; Pipe) .....AA  
 Kriebel & Co., 826 Spring Garden (Pipe) .....D  
 Link Belt Engineering Co. (Shaft; Post; Bracket) AA  
 Mayer & Englund Co., 1026 Filbert (Cable) .....A  
 Merritt & Co., 1024 Ridge Av. (Joist) .....B  
 Pennsylvania Engineering Co., 312 Cherry (Ball Joint Pipe) .....E  
 Pressed Steel Mfg. Co., Ridge Av. & Willow (Ball Bearing) .....D  
 Sellers & Co., Wm., 1600 1600 Hamilton (Shaft; Post; Bracket) .....AAAA  
 Standard Roller Bearing Co., 48th & Girard Av. (Roller Bearing) .....AA  
 Steward & Romaine Mfg. Co., 124 N. 6th (Stirrup) .....B  
 Yocum & Son, Jas., 145 N. 2nd (Adjustable Shaft; Post; Bracket) .....B  
**PA.—Pittsburg**  
 Bailey-Farrell Mfg. Co., 619 Smithfield (Pipe) ....AA  
 Collins Mfg. Co., 104 1st Av. (Pipe) .....X  
 Hubbard & Co., Murtland Bldg. (Cable) .....AA  
 Jones & Laughlin Steel Co. (Shaft; Post; Bracket; Self-Oiling) .....AAAA  
 Kelly & Jones Co., 135 Water (Pipe) .....AA  
 Oliver Iron & Steel Co. (Stirrup) .....AAAA  
 Standard Underground Cable Co. (Electric Cable) AAAA  
**PA.—Pittston**  
 Exeter Machine Wks. (Shaft; Post; Bracket) AA  
**PA.—Reading**  
 Penn Hardware Co. (Barn-Door) .....AA  
 Reading Hdw. Co. (Barn-Door) .....AAAA  
**PA.—So. Bethlehem**  
 Bethlehem Fdry. & Mach. Co. (Stirrup) .....O  
**PA.—Waynesboro**  
 Frick Co. (Shaft; Post; Bracket) .....AAAA  
**PA.—Williamsport**  
 Valley Iron Wks. (Post) ..A  
**PA.—Wrightsville**  
 Wrightsville Hardw. Co. (Barn-Door) .....B  
**R. I.—Pawtucket**  
 Haskell Mfg. Co., Wm. H. (Stirrup) .....AA  
 Pawtucket Mfg. Co. (Stirrup) .....A  
**R. I.—Providence**  
 Brown & Sharpe Mfg. Co.

## HANGERS (Con.)

(Counter Shaft) . . . AAAA  
Iroquois Machine Co. (Roller Bearing) . . . . . A  
New England Butt Co. (Barn-Door) . . . . . AA  
Rhode Island Telephone & Electric Co. (Cable) . . . D  
R. I.—Woonsocket  
Woonsocket Mach. & Press Co. (Shaft; Post; Bracket; Parting; Self-Oiling) . . . AA  
TENN.—Memphis  
Chickasaw Iron Wks. (Shaft; Post; Bracket), A  
VT.—Montpelier  
Lane Mfg. Co. (Post) . . . . A  
VA.—Richmond  
Old Dominion Iron & Nail Wks. Co. (Stirrup) . . . . AA  
W. VA.—Charlestown  
Powhatan Brass & Iron Wks. (Pipe) . . . . . B  
W. VA.—Wheeling  
Wheeling Corrugating Co. (Eaves-Trough) . . . . . AAAA  
WIS.—La Crosse  
Vought-Berger Co. (Cable) C  
WIS.—Kenosha  
Badger Brass Mfg. Co. (Pipe) . . . . . C  
WIS.—Milwaukee  
Filer & Stowell Co. (Shaft; Post; Bracket) . . . . . AAA  
Hoffman & Billings Mfg. Co. (Pipe) . . . . . AA  
League Cycle Wks. (Bicycle; Bicycle Crank) . . . . . D  
Milwaukee Corrugating Co. (Eaves-Trough) . . . . . A  
Willer Mfg. Co., 313 Cedar (Storm Sash) . . . . . A  
WIS.—Racine  
Racine Malleable & Wrought Iron Co. (Bicycle Crank; Farm Gate) . . . . . A

## HANSOMS

See also Carriages; Wagons.

New York City  
Stivers, R. M. . . . . B

## HARDENERS

CONN.—Ansonia  
Farrel Foundry & Mach. Co. (Felt) . . . . . AAAA

## HARDIES

IND.—Evansville  
Evansville Tool Wks. (Straight; Circular Cut) A  
N. J.—Newark  
Heller Bros Co. . . . . AA

## HARDWARE: CARRIAGE, WAGON, ETC.

ARK.—Little Rock  
Dickinson Ball Bearing Wheel & Vehicle Co. (Anti-Friction Axle; Boxes; Ball Bearing) . . . C  
CONN.—Bantam  
Bantam Mfg. Co. (Wire Wheels, Fifth Wheels) . . F  
CONN.—Bridgeport  
Amer. Tube & Stamping Co. (Steel Tires; Spring Steel; Steel Rims; Tubing) . . . AAAA  
Bridgeport Malleable Iron Co. (Malleable Iron Work) . A  
Fletcher, Thomas (Top Prop. Puts; Handles; Moulding) F  
Miller Wire Spring Co. (Seat; Cushion Springs), A  
Spring Perch Co. (Plated Carriage Trimmings) . . B  
White Mfg. Co. (Carriage; Hearse Mountings) . . . . C  
CONN.—Bristol  
Barnes, Wallace Co., (Anti-Rattlers) . . . . . B  
Dunbar Bros. (Anti-Rattlers; Trace Fasteners) . . . . B  
Sessions & Son, J. R. Felloe

## HARDWARE (Con.)

Plates; Steel Washers; Trunk) . . . . . A  
CONN.—Danielson  
Scott, E. W. (Whip Sock-ets; Fasteners) . . . . . C  
CONN.—Derby  
Bassett, D. M. (Bolts; Axle Clips) . . . . . C  
Shelton Co. (Bolts; Lining Nails, etc.) . . . . . C  
CONN.—Hartford  
Billings & Spencer Co. (Drop Forgings) . . . . . A  
Hartford Rubber Wks. (Rubber Anti-Rattlers) . . . . . AAAA  
Premise Mfg. Co. (Fifth Wheels; Shaft Attachments; Steel Rims; Axles) B  
CONN.—Marion  
Frost, L. D., (Est. of) (Bolts; Nuts) . . . . . C  
CONN.—Milldale  
Clark Bros. Bolt Co. (Bolt; Nuts) . . . . . B  
CONN.—Mt. Carmel  
Miller, Willis P. (Axles) . . A  
Mt. Carmel Bolt Co. (Tires; Bolts; Nuts) . . . . . B  
Woodruff & Sons Co., Walter W. (Mountings; Locks; Hinges) . . . . . B  
CONN.—Naugatuck  
Naugatuck Malleable Iron Co. (Malleable; Hub Bands) . . . . . A  
CONN.—New Britain  
Brady, T. H. (Roller Chafe Iron) . . . . . D  
Corbin Screw Corp. (Bolts) AAA  
CONN.—New Haven  
Cowles & Co., C. (Curtain Fasteners; Corner Irons; Silver Mouldings; Step Cover; Lamps) . . . . . C  
Bruen, B. D. (Steps; Whiffletrees; Couplings; Pole Crabs) . . . . . F  
English Mersick Co. (Hinges; Corner Irons; Anti-Candles, etc.) . . . D  
Kilbourn & Bishop Co. (Forgings) . . . . . D  
Ochsner & Son, A. (Tacks; Hinges) . . . . . B  
Perpente Mfg. Co. (Coach Inside Mountings) . . . . F  
Seward & Son Co., M. (Fifth Wheels; Forgings; Dashes) F  
Vulcan Iron Wks. (Malleable Iron Wks.) . . . . . A  
CONN.—Newtown  
Beers & Co., D. G. (Seat Locks) . . . . . E  
CONN.—Norwich  
Conn. Safety Whiffletree Co. (Whiffletree Attachments) . . . . . F  
CONN.—Plantville  
Atwater Mfg. Co. (Forgings) . . . . . B  
Blakester Forging Co. (Forgings) . . . . . C  
Smith & Co., H. D. (Forgings) . . . . . C  
Thompson Drop. Forging Co. (Forgings) . . . . . F  
CONN.—Seymour  
Matthews Mfg. Co., H. A. (Sheet Steel Stampings) B  
CONN.—Southington  
Peck, Stow & Wilcox Co. (Bolts; Nuts, etc.) . . . . AAAA  
Southington Cutlery Co. (Tire Bolts) . . . . . A  
CONN.—Unionville  
Upon Nut Co. (Bolts; Nuts, etc.) . . . . . AAAA  
CONN.—Waterbury  
Seovill Mfg. (Brass Hub; Bands) . . . . . AAAA  
CONN.—Winsted  
Moore Co., Franklin (Bolts; Axle; Clips, etc.) . . . . B  
D. C.—Washington  
Kendall, J. B. (Brake Block) A  
ILL.—Ashkum  
Comstock, C. H. (End Gate Irons) . . . . . B  
ILL.—Carpentersville

**HARDWARE (Con.)**

**Ills. Iron & Bolt Co. (Skeins)** A  
**ILL.—Chicago**  
 Calumet Tire Rubber Co. (Rubber Anti-Rattlers) B  
 Chicago Drop Forge & Fdy. Co. (Drop Forgings) ... B  
 Chicago Screw Co. (Ball Bearing Axles) ... X  
 Columbia Screw Co. (Bolts) B  
 Continental Bolt & Iron Wks. (Bolts) ... C  
 Gibson, Wm. (Seat Back; Cast; Bolster Springs) ... C  
 Kelley, Maus & Co. (Ball Bearing Axles) ... AA  
 Kienzle, W. F., 92 Ohio (Plated Carriage Trim-mings) ... C  
 Mitchell Skein & Fdry. Co. (Wagon Skeins; Tire Benders) ... C  
 Morgan & Wright (Rubber Anti Rattlers) ... AA  
 Standard Carriage Lamp Co. (Pole Crabs; Door Hand-les) ... E  
 Tubular Rivet & Stud Co. ... C  
 Union Drop Forge Co. (Drop Forgings) ... A  
**ILL.—Chicago Heights**  
 Wood, Smith & Co. (Axles) A  
**ILL.—Jerseyville**  
 Jerseyville Nov. Wks. (Anti-Rattlers; Thill Couplers) F  
**ILL.—Kishwaukee**  
 Johnson, F. C. (Neck Yoke Centres; Seat Hooks) ... B  
**ILL.—Moline**  
 Anderson, J. W. (Top Box Fasteners for Farm Wag-ons) ... F  
**ILL.—Orion**  
 Anderson, C. A. (Wagon Boxes) ... E  
**ILL.—Princeton**  
 Star Ball Bearing Axle Co. (Axles; Anti Rattlers; Shifters) ... F  
**ILL.—Quincy**  
 Empire Roller Fifth Wheel Wks. (Fifth Wheel) ... E  
**ILL.—Rockford**  
 Rockford Bolt Wks. (Bolts) ... F  
 Sovereign Co., C. E. (Neck Yoke Centres) ... D  
**ILL.—Rock Island**  
 White, Geo. (Wagon Brake; Lock) ... C  
**ILL.—Streator**  
 Gahm Mfg. Co. (Buggy Top Attachment; Sheet Metal Stampings) ... C  
**ILL.—Tonica**  
 Lambert Co., J. C. (Wagon Tongue Supports) ... F  
**IND.—Anderson**  
 Anderson Foreign Co. (Shift-ing Rails; Top Joints) ... C  
**IND.—Connersville**  
 Ansted Spring & Axle Co. (Spring & Axles) ... A  
**IND.—Elkhart**  
 Buescher Mfg. Co. (Seat; Dashrails; Pole; Shaft; Singletree Tips) ... C  
**IND.—Goshen**  
 Goshen Eyelet Co. (Eyelets) E  
**IND.—Hammond**  
 Cinn. & Hammond Spring Co. (Springs) ... D  
**IND.—Muncie**  
 Meeks, J. A. (Rivets) ... C  
 Whitely Malleable Castings Co. (Malleable Irons) ... A  
**IND.—So. Bend**  
 Sandage Steel Skein Co. (Steel; Cast Skeins; Tu-yere Irons; Brake Blocks) B  
**IND.—Wabash**  
 Amer. Shaft Holder Co. (Anti-Rattlers) ... F  
 Launder, Harter & Hursh Mfg. Co. (Anti Ratlers; Trace Holders) ... D  
**IOWA—Davenport**  
 Bettendorf Axle Co., (Hollow Steel Axles) ... AA

**HARDWARE (Con.)**

**IOWA—Marshalltown**  
 Aegis Co. (Nut Locks for Top Props.) ... G  
**IOWA—Muscatine**  
 Giesler & Co. (Wagon Brakes) ... D  
**IOWA—Oakville**  
 Oakville Mfg. Co. (Wagon Cleats) ... C  
**KANS.—Beloit**  
 Cathan, Chas. (Shaft Coup-lers) ... F  
**KANS.—Holton**  
 Wolverton Bros. (Singletrees Couplings) ... F  
**KY.—Augusta**  
 Neider Co., F. A. (Top Props. & Nuts) ... C  
**KY.—Louisville**  
 Drummond Mfg. Co. (Axles) A  
**KY.—Newport**  
 Higgin Mfg. Co. (Knobs; Prop. Nuts; Blocks) ... A  
**KY.—Owensboro**  
 Owensboro Forging Co. (Forgings) ... D  
**MD.—Baltimore**  
 Hutton & Co., Geo. H. (Jump Seat Iron) ... E  
**MASS.—Amesbury**  
 Atwood Mfg. Co. (Mould-ings) ... A  
 Dow, G. S. (Rocker Plates) F  
 Gray & Davis (Mountings) D  
 Osgood, Morrill (Fifth Wheels) ... C  
**MASS.—Boston**  
 Amer. Mason Safety Tread Co. (Steps) ... C  
 Am. Roller Bearing Co. (Ball; Roller Axles) ... B  
 Boston Belting Co. (Rubber Anti-Rattlers) ... AAAA  
 Boston Woven Hose & Rub-ber Co. (Rubber Anti-Rat-lers) ... AAAA  
 Non Corrosive Metal Co. (Mountings) ... D  
 Revere Rubber Co. (Rubber Anti-Rattlers) ... AAAA  
 Specialty Mfg. Co. (Roller Chafe Irons) ... F  
 Tubular Rivet & Stud Co. Rivets) ... AA  
 Weld Mfg. Co. (Dash Hooks) D  
**MASS.—Canton**  
 Kinsley Iron & Machine Co. (Axles; Axle Boxes) ... A  
**MASS.—Chicopee Falls**  
 Page-Storms Drop Forge Co. (Forgings) ... B  
**MASS.—Lawrence**  
 Archibald Wheel Co. (Roller Bearing Axles) ... A  
**MASS.—Merrimac**  
 Merrimac Plating Wks. (Mountings) ... E  
 Patton, G. B. (Top Stays), F  
**MASS.—South Egremont**  
 Dalzell & Ives Wrought Box Co. ... E  
**MASS.—So. Framingham**  
 Am. Roller Bearing Co. ... F  
**MASS.—Springfield**  
 Blake Mfg. Co. (Shaft Tips) F  
**MASS.—W. Medway**  
 Nat. Roller Chafe Iron Co. (Roller Chafe Iron) ... F  
**MASS.—Worcester**  
 Coes & Co., Loring (Forg-ings) ... B  
 Houghton & Buxton Mfg. Co. (Shaft Tips) ... E  
 Morgan Spring Co. (Cushion; Back Springs) ... C  
 Parker & Co., J. L. (Shaft Tips) ... E  
 Worcester Ferrule & Mfg. Co. (Shaft Tips) ... D  
 Worcester Malleable Iron Co. (Castings) ... C  
**MICH.—Albion**  
 Nat. Spring & Wire Co. Cushion Back; Gear Springs) ... D  
**MICH.—Battle Creek**  
 Neverbreak Shaft Ends Co. (Steel Shaft Ends) ... F



**HARDWARE (Con.)**

**MICH.—Buchanan**  
Lee & Porter (Ball Bearing Axles; Gear) .....A

**MICH.—Charlotte**  
Dolson, Jno. L. (Seat Fasteners) .....D

**MICH.—Detroit**  
Detroit Forging Co. (Pails; Bow Sockets) .....B  
Douglas & Loomuson Co. (Rails) .....D  
Mich. Bolt & Nut Wks. ...A  
Smith & Co., Jos. N. (Line; Dash Rails) .....C  
Wegner Mfg. Co. (Shaft Couplers; Anti-Rattlers) D

**MICH.—Dowagiac**  
Farr, Willis M. (Sand; Mud; Dust Bands) .....D

**MICH.—Grand Rapids**  
Grand Rapids Malleable Co. (Fifth Wheels) .....A  
Whiteside Wheel Co. (Steel Wheels) .....F

**MICH.—Jackson**  
Hutchinson Roller Bearing Co. (Roller Bearing) ...X  
Jackson Cushion Spring Co. (Shaft Tips; Cushion Springs) .....D  
Lewis Spring & Axle Co. (Springs; Axles) .....A  
McKeel & Co., Geo. A. (Shaft Tips; Point Bands) C

**MICH.—Kalamazoo**  
D'Arcy Spring Seat Co. (Seat; Cushion Springs) C

**MICH.—Pontiac**  
Pontiac Axle Co. (Axles) ..B

**MICH.—Saginaw**  
Moffett Vehicle Bearing Co. (Roller Bearings) .....B

**MINN.—St. Paul**  
Perkins Mfg. Co. (Wagon Box Guards) .....D

**MO.—Carrollton**  
Brocksmith Anti-Rattler Co. (Anti-Rattlers) .....D

**MO.—St. Louis**  
Hagey Stove Co. (Bolster Springs) .....B  
Neustadt Perry Co. (Ball Bearing Axles) .....C  
Nixdorff-Krein Mfg. Co. (Wagon Chains) .....A  
St. Louis Axle Co. (Axles) E  
Timken Roller Bearing Axle Co. (Roller Axles) .....B

**N. H.—Exeter**  
Rubber Step Mfg. Co. (Rubber Covered Steps) .....E

**N. H.—Penacook**  
Concord Axle Co. (Sand Bands; Roller Axles, etc.) B

**N. J.—Freehold**  
Pneumatic Wheel Co. (Axles Ball; Roller; Pneu. Wheels) .....D

**N. J.—Jersey City**  
N. J. Car Spring & Rubber Co. (Rubber Anti-Rattlers) .....AA

**N. J.—Newark**  
Harper, Walter J. (Carriage; Hears Mountings) E  
Lockwood Mfg. Co. (Mountings) .....E  
Searls Mfg. Co. (Dash Rails; Mountings Whip Sockets) C  
Strieby & Foote Co. (Gear Iron & Steps) .....C

**N. J.—Trenton**  
Crescent Belting & Packing Co. (Rubber Anti-Rattlers) .....A  
Empire Rubber Mfg. Co. (Rubber Anti-Rattlers), A  
Eureka Rubber Mfg. Co. (Rubber Anti-Rattlers), A  
Grieb Rubber Co. (Rubber Anti-Rattlers) .....D  
Hamilton Rubber Mfg. Co. (Rubber Anti-Rattlers) A  
Home Rubber Co. (Rubber Anti-Rattlers) .....A  
Trenton Malleable Iron Co. (Hub Bands) .....B  
Trenton Rubber Mfg. Co. (Rubber Anti-Rattlers) B  
Trenton Spring Mattress Co.

**HARDWARE (Con.)**

(Cushion Springs) .....D

**N. Y.—Auburn**  
Auburn Ball Bearing Co. (Ball Bearings) .....E  
Olapp Mfg. Co., E. D. (Drop Forgings; Fifth Wheels) B  
Beeles Co., Rich (Forgings; Fifth Wheels; Anti-Rattlers) .....A

**N. Y.—Binghamton**  
Crandall Stone & Co. (Bow Sockets; Forgings) .....A

**N. Y.—Brooklyn**  
Am. Roller Bearing Co. (Roller Bearing) .....A  
Wurster & Co., F. W. (Axles) .....A

**N. Y.—Buffalo**  
Feeders Mfg. Co. (Dashes) D  
Pratt & Letchworth Co. (Forgings) .....AAA  
McKinnon Dash Co. (Dashes) AA

**N. Y.—Cortland**  
Cately & Etting (Prop. Springs; Levers) .....D  
Cortland Carriage Goods Co. (Bow Sockets; Tops; Joints; Dashes; Shifting Rails) .....B

**N. Y.—Dunkirk**  
Am. Air Tool Co. (Axles) ..C  
Mulholland Co. (Gear Iron; Shaft Couplers) .....D

**N. Y.—Fishkill-on-the-Hudson**  
Potter Morgan Co. (Springs; Brake Blocks) .....D

**N. Y.—Holland**  
Tanner, D. F. (Bolster Springs) .....F

**N. Y.—Hunt**  
Bennett Mfg. Co. (Steel Dashes) .....F

**N. Y.—Jamestown**  
Weber Mfg. Co. (Whiffletree; Shaft Tips) .....F

**N. Y.—Medina**  
Bignall Mfg. Co. (Skeins; Boxes) .....C

**New York City**  
Metal Stamping Co. (Shaft Couplers; Carriage Knobs; Eyelets; Steel Shaft Ends) .....A  
Sartus Ball Bearing Co. (Ball Bearing Axles) ...X  
Standard Anti-Friction Equipment Co. (Axles; Ball Roller) .....B

**N. Y.—Oneida**  
Aubeuf, F. J. (Anti-Rubbers; Coupler) .....D  
Oneida National Chuck Co. (Anti-Rattlers; Shaft Couplers; Trace Holders) B

**N. Y.—Oriskany**  
Oriskany Malleable Iron Co. (Malleable Work) .....C

**N. Y.—Ossining**  
Rowe, Jas. H. (Brake Blocks) .....E

**N. Y.—Port Chester**  
Russell, Burdsall & Ward Bolt & Nut Co. (Tire; Wagon; Bolts) .....AA

**N. Y.—Rochester**  
Ideal Mfg. Co. (Anti-Rattlers) .....B  
Schlegel Mfg. Co. (Plated Carriage Trimmings) ...B

**N. Y.—Rome**  
Fitch Gear Co. (Gear; Seat; Fasteners, etc.) .....D

**N. Y.—Springville**  
Weismantle, F. (Shaft Shifter) .....F

**N. Y.—Starkville**  
Brandow Leroy S. (Bolster Plates) .....F

**N. Y.—Syracuse**  
Bradley & Son, C. C. (Wheel Clamps; Anti-Rattlers) ..D  
Syracuse Malleable Iron Wks. (Malleable Goods) ..A  
Weston & Co., I. A. (Steel Rims for Wheels; Ball Bearing Axles) .....D

**N. Y.—Troy**  
Troy Malleable Iron Co. (Malleable Castings) ..AA

**N. Y.—Union**  
Union Forging Co. (Drop Forgings) .....B

**HARDWARE (Con.)****N. Y.—Utica**

Empire State Shaft Coupler Co. (Anti Rattlers; Chafe Iron) .....D  
 Giblin & Co. (Whiffletree Hooks) .....C  
 Weston-Mott Co. (Steel Rims for Pneumatic Wheels; Ball Bearing Axles) .....B

**N. Y.—Wellsville**

Freeland & Son (Pole; Single & Doublefree Iron) ...F

**N. Y.—Westmoreland**

Westmoreland Malleable Iron Co. (Malleable Work) C

**OHIO—Akron**

Diamond Rubber Co. (Rubber Anti-Rattler) ....AAA  
 Goodrich Co., B. F. (Rubber Anti-Rattlers) ....AAAA

**OHIO—Ashtabula**

Ashtabula Carriage Bow Co. (Top Bow Sockets; Steel Washers) .....D

**OHIO—Bellville**

Perfection Spring Nut Co. (Spring Nuts) .....F

**OHIO—Canton**

Cleveland Axle Mfg. Co. (Steel Axles) .....A  
 Cleveland Canton Spring Co. (Springs) .....B  
 Timken Roller Bearing Axle Co. (Roller Bearing Axles) B

**OHIO—Carthage**

Hess Spring & Axle Co. (Springs; Axles) .....AA

**OHIO—Cincinnati**

Albrecht Co., Chas. H. (Prop Rests; Knobs; Curtain Fasteners) .....B

Cinn. Bow Socket Co. (Bow Sockets) .....E

Cinn. Carriage Goods Co. (Shaft Couplers) .....D

Cinn. & Hammond Spring Co. (Springs) .....A

Corcoran Sons, T. H. (Dash Rails; Mountings. Lamps) B

**Crane & Breed Mfg. Co.**

(Hearse Mountings) ...AA

Enterprise Brass & Plating Wks. (Mountings; Dash & Seat Rails) .....D

Greno, C. L. (Cushion Springs) .....A

Kinsley, J. R. (Mountings; Rails) .....C

Lounsberry & Sons, G. H. (Cushion Seat; Back Springs) .....B

Martin Singletree Clip Co. E

Monarch Carriage Goods Co. (Prop Nuts; Rests; Knobs; Anti-Rattlers, etc.) ...D

Murdoch, Jas. R. (Rails; Bands; Tips, etc.) .....C

Murray, Wm., A. (Cushion Seats; Back Springs) ...E

Queen City Forging Co. (Forgings) .....B

Schacht Mfg. Co. (Wire Wheels; Gears) .....C

Tower Mfg. Co. (Tacks) ...C

**OHIO—Cleveland**

Bettcher Mfg Co. (Washers; Burrs) .....E

Bourne & Knowles Mfg. Co. (Nuts; Washers; Felloe Plates) .....A

Cleveland Bolt & Mfg. Co. (Bolts) .....C

Cleveland Hardware Co. (Steel Carriages) ....AA

Cleveland Wire Spring Co. (Cushion Seat; Back Springs) .....B

Eberhard Mfg. Co. (Malleables) .....AA

Federal Mfg. Co. (Tubular Gears) .....AAAA

Kirk Latty Mfg. Co. (Tire Bolts; Rivets; Tacks) ...B

Lansan & Sessions Co. (Bolts) .....A

Nat. Screw & Tack Co. (Tire Bolts; Rivets) ...AA

Topliff Mfg. Co., I. N. (Bow

**HARDWARE (Con.)**

Sockets; Steel Washers) AA

Upson Nut Co. (Bolts) AAAA

**OHIO—Columbus**

Brown Mfg. Co., Jno. W. (Lamps; M't'gs.) ....B

Columbus Bolt Wrks. (Bolts; Nuts; Fifth Wheels) .....A

Columbus Brass Co. (Hearse Trimmings) .....C

Columbus Skein & Iron Wrks. (Skeins) .....C

Lamnan Co., E. B. (Corner Screws; Felloe Plates; Clip Yokes) .....C

Midgley Mfg. Co. (Steel Wheels) .....A

Peters & Heron Dash Co. (Dashes) .....C

Schreyer, G. (Steel Skeins) C

**OHIO—Coshocton**

Houston-Hay Axle Co. (Axles) .....X

Keagy & Lear Mach. Co. (Steel Axles) .....C

**OHIO—Dayton**

Corbin Screw Corp. (Bolts) AAA

Dayton Malleable Iron Co. (Malleable Work) ...AAA

Meeker Mfg. Co. (Ball Bearing Steel Axles) .....D

**OHIO—Elyria**

Topliff & Ely Co. (Bow Socket; Equalizer) ...A

**OHIO—Fremont**

Herbrand Co. (Drop Forgings; Fifth Wheels) ....C

**OHIO—Geneva**

Geneva Metal Wheel Co. (Steel Wheels) .....B

**OHIO—Mansfield**

Union Fdry. & Mach. Wrks. (Thimble Skeins; Wood Axles) .....D

**OHIO—Springfield**

Bettendorf Metal Wheel Co. (Steel Wheels) ....AAA

Springfield Malleable Iron Co. (Malleable) .....B

**OHIO—Struthers**

Cooper Co., J. A. & D. P. (Reaches & Gear Irons) D

**OHIO—Sunbury**

Wheaton & Cockrell (Buggy Runner Attachments) ...D

**OHIO—Toledo**

Am. Tubular Axle Co. (Axles) .....C

Foster Co., C. M. (Wagon Skeins; Axles Boxes) U

Kroh Co., E. Z. (Dashes) ..E

**OHIO—Troy**

McKinnon Dash Co. (Dashes) .....A

**OHIO—Youngstown**

Fredonia Mfg. Co. (Gear; Iron; Couplings) .....D

**PA.—Allegheny**

Liggett Spring & Axle Co. (Springs; Axles) ....AA

**PA.—Carlisle**

Gardner's Sons, F. (Axles) A

**PA.—Corry**

Raymond Mfg. Co. (Top Prop Washers; Anti-Rattlers; Coll Springs) ...C

**PA.—Elizabethtown**

Dauphin Axle Co. (Axles) X

**PA.—Elwood City**

Baker Forge Co. (Forgings) X

**PA.—Emigsville**

Nat. Tubular Axle Co. (Self Oiling Axles) .....C

**PA.—Erie**

Erie Malleable Iron Co. (Rim; Hub Bands) ....A

Erie Torsion Spring Co. (Pole; Seat; Bolster Springs) .....B

Reno Mfg. Co. (Safety Pole Tips) .....F

**PA.—Girard**

Ely Mfg. Co., Theo. J. (Anti-Rattlers) .....C

**HARDWARE (Con.)**

**PA.—Lancaster**  
 Nat. Mfg. Co. (Fifth  
 Wheels) .....D  
 Stand Ball Axle Wrks.  
 (Axles-Ball) .....B  
 Star Ball Retainer Co. (Ball  
 Bearing Retainers) .....B  
**PA.—Lebanon**  
 Am. Iron & Steel Mfg. Co.  
 (Iron Tires) .....AAAA  
**PA.—Mercer**  
 Bell & Co., Jno. W. (Anti-  
 Rattlers; Shafts Couplers) .....E

**PA.—Millersburg**  
 Millersburg Fifth Wheel Co.  
 (Fifth Wheel) .....B

**PA.—Milton**  
 Milton Mfg. Co. (Nuts; Iron  
 Washers) .....A

**PA.—New Brighton**  
 Townsend, C. C. & E. P.  
 (Tire Bolts; Rivets) ..AA

**PA.—No. East**  
 Fernald Mfg. Co. (Anti-  
 Rattlers; Shaft-Couplers) .....F

**PA.—Northumberland**  
 Keystone Forging Co. (Fifth  
 Wheel; Forging) .....B

**PA.—Philadelphia**  
 Am. Axle Wrks. (Axles) ..X  
 Devlin Mfg. Co., Thomas  
 (Castings) .....AAA

Excelsior Brass Wrks (Hub  
 Bands; Handles; Whips;  
 Sockets) .....F

Hindermeyer & Son, Jos.  
 (Hub Bands; Oil Cup) ..F

King Fifth Wheel & Gear  
 Co. (Roller Bearing Fifth  
 Wheel) .....D

Modern Mfg. & Plating Co.  
 (Mountings) .....F

Philadelphia Hdw. & Mal-  
 leable Iron Wrks. (Cast-  
 ings) .....B

Pressed Steel Mfg. Co. (Ball  
 Bearing Axles) .....E

Skelly & Co., Thos. P.  
 (Bolts) .....D

Standard Roller Bearing Co.  
 (Roller Bearings; Steel  
 Balls) .....B

Weston & Wells Mfg. Co.  
 (Torison Springs for Cush-  
 ions) .....C

**PA.—Pittsburg**  
 Ahlborn & Neckermann  
 Baker Mfg. Co., Jas. H.  
 (Drop Forgings; Wagon  
 Irons) .....A

(Axles) .....X  
 Crucible Steel Co. of Am.  
 (Axles) .....AAAA

Jarvis Co., Adam S. (Axle  
 Boxes) .....A

Jones & Laughlin, (Ltd.)  
 (Steel Tires) .....AAAA

Keystone Axle Wrks.  
 (Axles) .....B

McLean & McGinness (Dash-  
 es) .....A

Oliver Iron & Steel Co.  
 (Bolts; Steel Tires; Wag-  
 on Hdw.) .....AAAA

Pittsburg Tubular Steel  
 Whiffletree Co. (Steel  
 Whiffletrees; Neck Yokes) .....B

Standard Chain Co. (Wagon  
 Chains) .....AAAA

**PA.—Pittston**  
 Rommel & Co., G. B.  
 (Axles) .....X

**PA.—Rankin**  
 Duquesne Forge Co.  
 (Nickel Steel Axles) ..A

**PA.—Scranton**  
 Scranton Axle Wrks.  
 (Axles) .....A

Scranton Forging Co. (Drop  
 Forgings) .....A

**PA.—Waverly**  
 Stone Mfg. Co., P. B. (Wag-  
 on Tongue Support Spgs.) .....X

**PA.—Wilkesbarre**  
 Sheldon Axle Co. (Axles) .....AA

**R. I.—Pawtucket**  
 Haskell Mfg. Co., Wm. H.

**HARDWARE (Con.)**

(Spgs.; Bolts; Screws) .....A

**R. I.—Providence**  
 Am. Ball Co. (Steel Balls) .....D

Am. Screw Co. (Tire Bolts;  
 Screws) .....AAAA

**VT.—Montpelier**  
 Sabin Machine Co. (Anti-  
 Rattlers; Couplers) .....E

**W. VA.—Wheeling**  
 Spears Axle Co. (Axles) ..B  
 Wheeling Hinge Co. (Bolts;  
 Washers; &c.) .....AA

**WIS.—Boscobel**  
 Ruka Bros. Mfg. Co. ....B

**WIS.—Milwaukee**  
 Am. Mfg. Co. (Pole Tips) .....H

Milwaukee Wagon Iron  
 Wrks. (Neck Yokes; Sing-  
 letree Brake Locks) ..AA

Wis. Malleable Iron Co.  
 (Wagon Malleables) ....A

Wrought Washer Mfg. Co.  
 (Plate Washers; Fellow  
 Plates) .....A

**WIS.—Racine**  
 Adams & Son, E. B. (Bol-  
 ster Springs) .....O

Belle City Malleable Iron Co.  
 (Malleable) .....B

Harvey Spring Co. (Truck  
 Platform; Bolster Springs) .....D

Higgins Spring & Axle Co.  
 (Axles; Bolsters; Seat;  
 Vehicles Springs) .....B

Imperial Bit & Snap Co.  
 (Whip Sockets; Rim Hold-  
 ers) .....B

Racine Economy Spg. Co.  
 (Bolster Springs) .....D

Racine General Mfg. Co.  
 (Wagon Hdw.) .....E

Racine Malleable & Wrought  
 Iron Co. (Whip Sockets;  
 Wagon Brakes) .....B

Racine Metal Stamping Co.  
 (Shaft Iron) .....H

Racine Pole & Spring Co.  
 (Bolster Spgs.) .....E

Racine Steel & Iron Mfg. Co.  
 (Wagon Skelns) .....X

Tecktonius, E. C. (Bolster  
 Springs; Pole Supports) .....F

**WIS.—So. Milwaukee**  
 Stowell Mfg. & Fdry. Co.  
 (Carriage; Wagon Malle-  
 ables) .....A

**HARDWARE:**  
**TRUNK**

**CONN.—Bristol**  
 Sessions & Son, J. H.  
 (Trunk) .....AA

**MICH.—Detroit**  
 Michigan Stamping Co. ..F  
 Premier Mfg. Co., 58 Shel-  
 by (Trunk Suit Case) X

**MO.—St. Louis**  
 St. Louis Trunk Hdw. Mfg.  
 Co., 208 S. 17th (Trunk) .....D

**N. J.—Newark**  
 Goldsmith & Son, L. ....A

Gould Sons Co., M. ....A  
 Newman Hdw. Co., R. ..B

**N. Y.—Buffalo**  
 Keim, John R. ....AA

**WIS.—Milwaukee**  
 Milwaukee Stamping Co.  
 (Trunk) .....E

**HARDWOOD**  
 See Lumber

**HARNESS**  
 See also Saddlery & Harness

**CONN.—Middletown**  
 Russell Mfg. Co. (Halters;  
 Surcingle) .....AAAA

**CONN.—Waterbury**  
 Novelty Mfg. Co. (Dog) A  
**DEL.—Middletown**  
 Parker Son Co., J. C.  
 (Halters) .....B

**HARNESSES (Con.)**

**ILL.—Aurora**  
Frazier & Co., W. S.  
(Breaking) .....A  
**ILL.—Bloomington**  
Green Co., B. C. (Buggy) B  
**ILL.—Chicago**  
Bressman & Co., F. 142  
Monroe (Halters) .....E  
**KY.—Louisville**  
Harbison & Gathright  
(Buggy; Carriage) ...AA  
**MASS.—Holyoke**  
Holyoke Halter Mfg. Co.  
(Halters) .....F  
**MASS.—Westfield**  
Planet Mfg. Co. (Halters) D  
**MINN.—Winona**  
Minnesota Harness Factory  
(Halters) .....O  
**MO.—St. Louis**  
Copeland Halter Co. (Halters) .....X  
Meyer, Bannerman & Co.,  
618 N. 8th (Contractors';  
Supplies) .....AAA  
Sickles Saddlery Co., J. B.  
21st & Washn. Av. (Con-  
tractors'; Supplies) ...A  
**N. H.—Concord**  
Page Belting Co. (Halters) AA  
**N. J.—Newark**  
Harness Mfg. Co. ....E  
**N. Y.—Buffalo**  
Buffalo Weaving & Belting  
Co. (Web) .....A  
New York City  
Abercrombie & Fitch, 314  
Bway. (Pack) .....B  
Medford Fancy Goods Co.  
(Dog) .....E  
Smith-Worthington Co., 40  
Warren (Bridles) ....B  
**N. Y.—Utica**  
Adams Bros. & Co.  
(Halters) .....C  
**OHIO—Cincinnati**  
Eagle Harness Co. (Pony) F  
Engelke Saddlery Co.  
(Bridles) .....C  
Perkins-Campbell Co.  
(Halters) .....AA  
**OHIO—Columbus**  
Hayden Saddlery Hdw.  
Co., P. (Contractors';  
Supplies) .....A  
**TENN.—Nashville**  
Nashville Saddlery Co.  
(Halters) .....AA  
**WIS.—Milwaukee**  
Western Rawhide & Belt-  
ing Co. (Halters) .....B

**HARNESSES**

**ILL.—Chicago**  
Street & Co., R. R., 184  
Washington (Loom) ...A  
**MASS.—Clinton**  
Gibbs, Loom, Harness &  
Reed Co. (Loom) .....B  
**MASS.—Fall River**  
Webster Loom Harness Co.  
(Loom) .....D  
Williams Co., J. H. (Loom) A  
**MASS.—Lawrence**  
Clegg, Thos. W. (Loom) F  
Emmone Loom Harness Co.  
(Loom) .....A  
**MASS.—Lowell**  
Carruthers, Robt. (Loom) B  
Harris, Geo. W., 199 Per-  
kins (Loom) .....B  
**MASS.—New Bedford**  
Fowler, Henry C. (Loom) E  
**N. J.—Newark**  
Crabb & Co., Wm. (Loom) A  
**N. J.—Paterson**  
Hall & Co., I. A., 30 Ham-  
ilton Av. (Loom; Fancy  
Loom) .....A  
Paterson Reed & Harness  
Co. (Loom; Fancy Loom;  
Weaving) .....B  
Ulrich & Co. (Loom) ....C  
Walder, J. (Loom) ....AA  
**PA.—Philadelphia**  
Schaum & Uhlinger, N. 2nd  
& Glenwood Av. (Loom;  
Fancy Loom) .....AAA

**HARNESSES (Con.)**

**R. I.—Pawtucket**  
Blackstone Reed & Harness  
Co. (Loom) .....F  
Excelsior Loom Reed Wks.  
(Loom) .....E  
**R. I.—Providence**  
Amer. Supply Co., 11  
Eddy (Loom) .....AA  
**S. C.—Spartanburg**  
Andrews Loom, Reed &  
Harness Co. (Loom) ..O

**HARPOONS**

New York City  
Tiebout, W. & J., 118 Cham-  
bers .....B

**HARPS**

See also Musical Instruments

**CONN.—Bridgeport**  
Bridgeport Brass Co.  
(Lamp) .....AAA  
**CONN.—Meriden**  
Bradley & Hubbard Mfg.  
Co. (Lamp) .....AAAA  
Miller & Co., Edward  
(Lamp) .....AAAA  
Holmes, Booth & Haydens  
(Inc.) (Lamp) .....AAAA  
**MICH.—Kalamazoo**  
Star Brass Works (Trolley) O

**HARROWS**

See Agr. Implements

**HARVESTERS**

See Agr. Implements

**HASPS**

**CONN.—New Britain**  
Humason & Beckley Mfg.  
Co. ....A  
Stanley Wks. ....AAA  
**ILL.—Aurora**  
Wilcox Mfg. Co. ....B  
**ILL.—Chicago**  
Vaughn & Bushnell Mfg.  
Co. ....A  
**ILL.—Sterling**  
Lawrence Bros. (Hinge;  
Wrought iron) .....AAA  
**N. Y.—Elmira**  
Cronk & Carrier Mfg. Co. B  
New York City  
Cary Mfg. Co., 19 Roose-  
velt (Crate) .....B  
Sargent & Co., 151 Leonard  
(Hinge) .....AAAA  
**OHIO—Canton**  
Ney Mfg. Co. ....B  
**PA.—Allegheny**  
McKinney Mfg. Co.  
(Hinge) .....AAA  
**PA.—Erie**  
Griffing Mfg. Co. (Hinge) A  
**PA.—Philadelphia**  
Conroy, P. J. ....X  
White Dental Mfg. Co., S.  
S. ....AAAA  
**PA.—Pittsburg**  
Lanz & Sons, M. ....AA  
**PA.—Reading**  
Reading Hdw. Co. (Hinge;  
Wrought iron) .....AAAA  
**W. VA.—Wheeling**  
Wheeling Hinge Co. ...AA  
**WIS.—Racine**  
Racine General Mfg. Co. E

**HASSOCKS**

See Furniture

**HATCHES**

**MASS.—Florence**  
Norwood Engineering Co.  
(Elevator; Safety) ....B  
**MASS.—Holyoke**  
Holyoke Machine Co. (Ele-  
vator Safety) .....AA  
**WIS.—Milwaukee**  
Kleckhefer Elevator Co., A.  
(Elevator Safety) .....O

## HATCHETS

**CONN.—Collinsville**  
Collins Co. ....AAAA  
**CONN.—Southington**  
Peck, Stow & Wilcox Co. ....AAAA  
**CONN.—Westport**  
Bradley's Sons, G. W. ...D  
**ILL.—Freeport**  
Arcade Mfg. Co., (Boys, Lay) .....A  
**ILL.—Streator**  
Iwan Bros. ....C  
**IND.—Evansville**  
Evansville Tool Wks. (All Kinds) .....A  
**MAINE—Hallowell**  
North Wayne Tool Co. (Tobacco) .....C  
**MAINE—Skowhegan**  
Williams & Co., C. A. ...D  
**MASS.—Winchendon**  
Mason & Parker ....AAA  
**N. J.—Newark**  
Atha Tool Co. ....A  
Harding Edge Tool Co., cor. McWhorter & Oliver F  
**N. Y.—Buffalo**  
White Co., L. & I. J., cor. Perry & Columbia ....A  
**N. Y.—Cattaraugus**  
U. S. Edge Tool Co. ....D  
**N. Y.—Cohoes**  
Peck Edge Tool Co. (All Kinds) .....X  
**N. Y.—Dunkirk**  
Bomer Axe Co. ....B  
**N. Y.—Homer**  
Phoenix Hdw. Mfg. Co. .D  
New York City  
Amer. Axe & Tool Co., 253 Bway .....AAAA  
Wiebusch & Hilger (Ltd.) 13 Murray .....A  
**OHIO—Findlay**  
Findlay Axe & Tool Co. .A  
**OHIO—Ravenna**  
Williams, A. C. ....A  
**OHIO—West Park**  
Norton Tool Co. (Axe Pattern) .....C  
**PA.—Chester**  
Black & Co., H. B. ...AA  
**PA.—Glassport**  
Amerisan Axe & Tool Co. (Bench) .....AAAA  
**PA.—Ogontz**  
Hammond & Son, C. (All Kinds) .....A  
**PA.—Philadelphia**  
Germantown Tool Wks., 518 Commerce .....A  
Phila. Steel & Iron Co. (Carpenters') .....X  
Plumb, Fayette R., cor. Tucker & Trenton Av. AA  
**PA.—Reading**  
Chantrell Tool Co. (Cast Iron; Steel) .....B  
Franklin Specialty Co. (Nickel Plated) .....G  
**PA.—Wrightsville**  
Wrightsville Hdw. Co. ...B

## HATS & CAPS

**CAL.—San Francisco**  
Fleisher, Wolf (Cloth Caps) .....A  
**CONN.—Bethel**  
Baird-Untiedt Co. (Fur Hats) .....B  
**CONN.—Danbury**  
Green & Sons, John W. (Inc.) (Fur Hats) ....B  
Hawes, Von Gal Co. (Inc.) (Fur Hats) .....A  
Holley & Co., L. C. (Fur Hats) .....A  
Loewe & Co., D. E. (Felt Hats) .....B  
McLachlan & Co., H. (Fur Hats) .....B  
Mallory & Sons, E. A. (Felt Hats) .....AA  
Meeker Bros. & Co. (Fur Hats) .....B  
Merritt & Son, C. H. (Fur; Felt Hats) .....A  
National Hat Co. (Fur Hats) 8

**HATS & CAPS (Con.)**  
**CONN.—Milford**  
Mitchell, W. G. (Straw) C  
**CONN.—New Milford**  
New Milford Hat Co. (Fur Hats) .....A  
**CONN.—South Norwalk**  
Dennis & Blanchard (Straw) .....C  
Hubbell, Wm. B. (Fur Hats) B  
Wilson & Co., Jno. C. (Fur Hats) .....A  
Volk Hat Co. (Coach Hats) .....D  
**GA.—Atlanta**  
National Straw Hat Wks. (Childrens' Straw Hats) C  
Piedmont Hat Mfg. Co. (Childrens' Felt Hats) ..E  
Wiseberg Bros. (Cloth Caps) .....D  
**ILL.—Chicago**  
Armstrong Mfg. Co., E. A. (Cloth Caps) .....D  
Elger & Bro., E., 1249 Wash Av. (Ladies' Felt Hats) .....AA  
Forster, G. F. Son & Co. (Cloth Caps) .....D  
Hackner Bros. & Bruski D  
Kaatz, Marcus (Cloth Caps) C  
Schetnitz, S. & Co. (Cloth Caps) .....C  
Shoninger Bros. Mfg. Co. (Childrens') .....C  
Taylor & Parrott (Cloth Caps) .....B  
**ILL.—Decatur**  
Home Mfg. Co. (Ladies' Sun Bonnets) .....D  
**ILL.—Mattoon**  
Buck Mfg. Co., Geo. N. (Sun Bonnets) .....B  
**IND.—Wabash**  
Pioneer Hat Wks. (Nathan Meyer & Co.) (Fur Hats) A  
**MAINE—Portland**  
Ayer, Houston & Co. (Fur; Wool Hats) .....A  
Somers & Co., Robert F. (Silk and Stiff Hats) D  
**MD.—Baltimore**  
Brigham-Hopkins Co. (Silk and Straw) ..AA  
Duke, Montague & Gillet Co. (Straw) .....B  
Gehrman & Co. P. F. (Childrens') .....C  
Howser & Co., G. S. (Cloth Caps) .....B  
Strouse & Co., J. S. (Felt Hats) .....D  
Townsend & Grace Co. (Straw) .....B  
**MASS.—Amesbury**  
Merrimac Hat Co. (Boys Soft Wool Hats) A  
**MASS.—Amherst**  
Hills Co. (Straw) .....B  
**MASS.—Athol**  
Powers & Sons, O. J. (Panama Hats) .....C  
**MASS.—Attleboro**  
Wilmarth & Co., W. D. (Felt) .....D  
**MASS.—Boston**  
Brodersen & Day. (Straw) B  
Dinner, I. H. (Cloth) ...D  
Guyer Hat Co. (Felt Hats) A  
Lamson & Hubbard, 92 Bedford (Silk; Fur Hats) ..A  
Rosnosky & Co., Wm. (Cloth Caps) .....D  
Smith & Cheney Co. (Straw) .....X  
Stoughton Rubber Co. (Rubber) .....AA  
Tower & Co., A. T., 18 Simmons (Oiled Hats) ..AA  
Williamson & Sleeper (Straw; Womens' Felt) ..B  
**MASS.—Fall River**  
Bristol County Hat Wks. (Fur and Wool Hats) ..A  
Old Colony Hat Co. (Fur Hats) .....B

**HATS & CAPS (Con.)**

**MASS.—Franklin**  
 Franklin Hat Co. (Ladies; Straw) .....X  
**MASS.—Haverhill**  
 Thorn & Co., W. B. (Felt Hats) .....A  
**MASS.—North Dana**  
 Goodman Co., H. W. (Straw) .....C  
**MASS.—So. Framingham**  
 Barber & Co., T. L. (Felt Hats) .....A  
**MICH.—Detroit**  
 Armstrong Regalia Co. (Military; Police; Firemen's; Yachting Caps) C  
 Crown Hat Mfg. Co. (Black Hats) .....D  
 Detroit Cap Mfg. Co. (Cloth Caps) .....C  
**MICH.—Kalamazoo**  
 Henderson Ames Co. (Band; Police; Firemen's) A  
**MINN.—St. Paul**  
 Marks & Co., A. S. (Cloth Caps) .....D  
**MO.—St. Joseph**  
 Johnston-Woodbury Hat Co. (Cloth) .....B  
**MO.—St. Louis**  
 Gram & Glass (Cloth Caps) D  
**N. J.—Hoboken**  
 Brittain, Horace (Straw) A  
 Heath, Joseph A. (Cloth Caps) .....D  
**N. J.—Newark**  
 Connett & Co., E. V. (Fur Hats) .....AA  
 Excelsior Hat Works (Beaver Hats) .....B  
 Ferry, Weber & Co., 325 5th Av. (Fur Hats) .....AA  
 Fisch, Jos., 24 Arch (Fur Hats) .....A  
 Fulcher, R. & A. (Fur Hats) A  
 Hedden Co., C. M. (Fur Hats) .....X  
 Henegan, John H. (Straw) X  
 Parmelee & Co., H. D. (Fur Hats) .....B  
 Seitz & Son, Albert (Fur Hats) .....A  
 Rummel Co., J. (Felt) ...A  
**N. J.—New Brunswick**  
 Barkeley & Co., J. M. (Maids' Caps) .....D  
**N. J.—Orange**  
 Austin, Drew & Co. (Fur Hats) .....B  
 Berg & Co., (Felt; Fur) A  
 Brennan, Carr & Co. (Felt Hats) .....A  
 Cummings Son & Co., F. (Felt) .....A  
 Harrop, Gist & Co. ....A  
 No Name Hat Mfg. Co. (Felt) .....A  
**N. J.—Woodbine**  
 Quaker City Knitting Mills (Toques; Tams) .....A  
**N. Y.—Albany**  
 Lashever & Co., H. (Cloth Caps) .....D  
**N. Y.—Augusta**  
 Cunningham & Son, James (Scotch Caps) .....D  
**N. Y.—Brooklyn**  
 Mundheim Co., Samuel (Straw; Fur) .....AA  
 Spear & Co. (Cloth Caps) C  
**N. Y.—Buffalo**  
 Miller, John (Cloth Caps) D  
**N. Y.—Fishkill on Hudson**  
 Dutchess Hat Wks. (Fur; Wool Hats) .....AA  
**N. Y.—Matteawan**  
 Matteawan Mfg. Co. (Wool Hats) .....A  
**N. Y.—Middletown**  
 Union Hat Co. (Straw) ...C  
**N. Y.—New York City**  
 Alland Bros., 661 Broadway, (Straw; Ladies') A  
 Alley & Allen, 606 Broad-

**HATS & CAPS (Con.)**

way, (Ladies' Hats) ...D  
 American Railway Supply Co. (Uniform Caps) ...C  
 Apple & Co., 621 Broadway, (Imitation- Panama) .....D  
 Bamberger & Son, 4 East 11th (Infants') .....B  
 Berg Bros., 225 Wooster (Duck; Felt; Ladies' Hats) .....D  
 Blom & Mayer (Ladies') A  
 Blum & Koch (Straw) ...A  
 Borettil, R., 70 W. 3d (Wool Hats) .....C  
 Brower, Alex. R. (Silk; Opera; Ladies' Riding Hats) .....C  
 Brown, Alex. R. (Straw) C  
 Burgess & Co., A. D. 106 West 11th (Ladies' Hats) .....D  
 Cairns & Bro. (Firemen) D  
 Carpenter, Wm. H., 621 B'way (Ladies' Hats) D  
 Carroll & Co., Wm. (Straw) .....AAAA  
 Cohen, Cassel (Fur Caps) B  
 Cornell & Co., M. S., W. B'way & Prince (Silk; Fur Hats) .....B  
 Cotton, H. L. & Co. (Infants') .....C  
 Crierger & Meyer, 621 B'way (Ladies' Felt Hats) ...E  
 Davis Mark, Sons & Co. (Cloth) .....A  
 Demmerle & Co. (Cloth Caps) .....C  
 Dunlap & Co. (Felt; Silk) AA  
 Eaves Costume Co., 586 7th Av. (Theatrical Hats) .....D  
 Feltenstein & Joffe, 586 B'way (Ladies' Hats) ...B  
 Fox, Lederer & Co. (Cloth Caps) .....B  
 Frankfeldt, L. & Sons (Cloth Caps) .....AAAA  
 George, A. E. (Straw) ...D  
 Goodyear Rubber Co., 787 B'way (Rubber) .....AAAA  
 Goodyears Ind. Rubber Glove Mfg. Co., 503 B'way (Rubber) .....AAAA  
 Heiliger, I. (Infants') ...D  
 Helmann & Leichten, 602 B'way (Ladies' Hats) AA  
 Herzig, L. & Co. (Infants) B  
 Hildeshelmer & Schlesinger (Infants') .....B  
 Hirschberg & Co., 15 Waverly Pl. (Cloth) ...C  
 Hodgman Rubber Co., 806 B'way (Rubber) .....AA  
 Hofenheimer, Alex. & Co., (Infants; Lace; Silk) ...C  
 Knox, E. M. (Felt; Silk) AAA  
 Liberman & Co., S. N., 710 B'way .....D  
 Love, Scott & Jaursch (Boys'; Childrens' Cloth) .....C  
 Lustig Bros. (Cloth Caps) A  
 Marty & Son, 42 East Houston (Straw) .....D  
 Maxim & Goldsmith, 621 Broadway (Straw) ...D  
 Mindheim, Max, 67 Prince Street .....A  
 Mork Co., M. S. (Straw) A  
 Olson, John, 138 Grand Aluminum Firemen's Hats) .....X  
 Phipps & Atchison, 145 5th Av. (Ladies'; Cloth) ...C  
 Rosenbluth, A. & H. (Advertising Caps) ...C  
 Rosenthal-Samstag Co., 598 B'way (Ladies' Hats) ...D  
 Richman, Wm. 98 F'klin (Tam; Toques) .....B  
 Schanilo & Anderson (Straw) .....D  
 Schiller, S., 604 B'way (Ladies' Hats) .....C  
 Schultz & Co., Jos. (Ladies'

**HATS & CAPS (Con.)**

Felt; Straw) .....A  
 Seybel Co., F. M. (Ladies')  
 D  
 Shields & Co., J. S., 596  
 B'way (Silk) .....B  
 Simonson, Lichtenstein  
 Pachner Co., (Cloth Caps)  
 A  
 Standard Oiled Clothing  
 Co., 152d & Union Av.  
 (Oiled Hats) .....A  
 Stern, B. & Co. (Silk;  
 Lace; Infants') .....C  
 Stiehl, G. H. & Co.  
 Childrens' Caps) .....D  
 Ury & Mendelson Bros.  
 (Ladies' Hats) .....C  
 Velleman & Co. (Straw) D  
 Wallner, Henry & Son  
 (Cloth & Plush Hats) ...D  
 Young & Staples (Straw)  
 D

**N. Y.—Peekskill**  
 Peekskill Hat Mfg. Co.  
 (Fur Hats) .....B

**N. Y.—Prospect**  
 Hoag, C. F. (Toques) ..B  
 Wolf Mfg. Co. (Childrens'  
 Headwear) .....C

**N. Y.—Richfield Springs**  
 Richfield Springs Cloth  
 Cap Co. ....B

**N. Y.—Utica**  
 Balch Bros. & West Co.  
 (Felt) .....D  
 Mohawk Valley Cap Fac-  
 tory (Cloth; Knit Caps)  
 B

Northrup, D. W. (Scotch  
 Caps) .....A

**N. Y.—Yonkers**  
 Waring Hat Mfg. Co. (Fur  
 Hats) .....AA

**OHIO—Cincinnati**  
 Cincinnati Cap Co. (Caps)  
 D

Tobias Bro. & Co., Chas.  
 (Cloth; Military; Band  
 Caps) .....B

**OHIO—Cleveland**  
 Bamber & Neumam  
 (Toques) .....C

**PA.—Adamstown**  
 Fitchorn, Redcay & Co.  
 (Wool) .....A

**PA.—Harrisburg**  
 Blough Mfg. Co. (Sun-  
 bonnets) .....B

**PA. Mohns Store**  
 Kessler & Co., Jacob C.  
 (Wool Hats) .....X

Spratz & Co., J. H.  
 (Straw) .....B

**PA.—Philadelphia**  
 Fenton, J. H. (Silk Hats) B  
 Branson & Co., Howard I.  
 (Infants') .....C

Held & Co., Frank P.  
 (Cloth; Ladies') .....C  
 Miller & Co., Geo. P.  
 (Straw) .....C

Price & Vogt, Cor. Berks &  
 Hancock (Fur Hats) ...B  
 Roelofs & Co., Henry H.  
 (Felt Hats) .....AA

Rothachild & Co., S. (In-  
 fants) .....C  
 Schoble & Co., Frank (Felt  
 Hats) .....X

Schoenfeld, Tuch & Co. (In-  
 fants' Caps) .....B  
 Smith & Co., W. H. V.  
 (Straw) .....D

Stetson & Co., Jno. B.  
 (Felt Hats) .....AAAA

Welberger, Louis H.  
 (Silk; Children's) .....D

**PA.—Reading**  
 Alexander & Co., Geo. W.  
 (Fur Hats) .....A

Hendel Co., C. W. (Fur  
 Hats) .....A  
 Hendel & Sons, Geo. (Fur;  
 Wool Hats) .....AA

Kessler & Sons, C. F. (Wool  
 Hats) .....B  
 Miller & Co., John R. (Wool  
 Hats) .....AA

Mohn & Bros. (Wool) ...AA  
**R. I.—Providence**  
 Feiner Cap Co. (Cloth Caps)  
 C

**HATS & CAPS (Con.)**

**WIS.—Milwaukee**  
 Middleton Mfg. Co. (Cloth  
 Caps) .....B

**HAULS**

**ILL.—Chicago**  
 Allis-Chalmers Co. (Log)  
 AAAA

**IND.—Indianapolis**  
 Chandler & Taylor Co.  
 (Log) .....AA

**MICH.—Detroit**  
 Buhl Malleable Co. (Log)  
 A

**MICH.—Saginaw**  
 Wickes Bros. (Log) ....AAA  
**N. J.—High Bridge**  
 Taylor Iron & Steel Co.  
 (Log) .....AAAA

**N. C.—Charlotte**  
 Mecklenberg Iron Wks.  
 (Log) .....X

**OHIO—Columbus**  
 Jeffrey Mfg. Co. (Car)  
 AAAA

**TENN.—Jackson**  
 Southern Engine & Boiler  
 Wks. (Log) .....AA

**VT.—Montpelier**  
 Lane Mfg. Co. (Log) ...A

**WIS.—Milwaukee**  
 Allis-Chalmers Co. (Log)  
 AAAA

**HAVERSACKS**

**CONN.—Hartford**  
 Wiley & Son Co., Wm. H.  
 A

**New York City**  
 Boyle & Co., John, 112  
 Duane .....AA

Goodyear's Ind. Rub. Glove  
 Mfg. Co. ....AAAA  
 Hodgman Rubber Co. ....AA

McHugh, John F. ....C

**HAZEL, WITCH**

See Witthazael

**HEADERS**

See also Machy

**CAL.—Stockton**  
 Shaw Co., H. C. ....A

**CONN.—Bridgeport**  
 Automatic Machine Co.  
 (Rod) .....B

**CONN.—Hartford**  
 Cook Co., Asa S. (Rivet;  
 Wooden Screw) .....B

Pratt & Whitney Co. (Bolt)  
 AAAA

**CONN.—Waterbury**  
 Blake & Johnson (Wire) ..A  
 Manville Machine Co., E. J.  
 (Bicycle) .....C

Waterbury-Farrell Fdy. &  
 Machine Co. (Bolt) ...AA

**ILL.—Chicago**  
 Pfeiffer Boiler Co., Chris.  
 63 Mich. (Steam) .....C

**ILL.—Pekin**  
 Acme Harvester Co. (Bolt)  
 X

**ILL.—Peoria**  
 Acme Harvester Co. (Grain)  
 X

**MASS.—Fitchburg**  
 Putnam Machine Co. (Bolt)  
 A

**MASS.—Greenfield**  
 Wells Bros. Co. (Bolt) ...A

**MASS.—Springfield**  
 Bausch Mach. Tool Co  
 (Bolt) .....A

**N. J.—Salem**  
 Ayars' Machine Co. (Fruit  
 Can) .....B

**N. Y.—Batavia**  
 Johnston Harvester Co.  
 (Reaper) .....AAAA

**N. Y.—Brooklyn**  
 Upham & Bros. V. B., 30  
 Hudson Av. (Rivet) ...X

**N. Y.—Buffalo**  
 Howard Iron Works (Bolt)  
 A  
 Niagara Mach. & Tool Wks  
 (Fruit Can; Rivet) ...A

**HEADERS (Con.)**  
 Sherwood Mfg. Co. (Steam) B  
**OHIO—Cleveland**  
 Acme Machinery Co. (Bolt) AA  
 Ajax Mfg. Co., cor. Lake & Wason (Rivet) AA  
 McMyler, John, 182 Columbus (Rivet; Bolt) AA  
**OHIO—Hamilton**  
 Niles Tool Wks. (Bolt) AAAA  
**OHIO—Tiffin**  
 National Mchy. Co. (Rivet; Rod; Bolt; Stove Rod) AA

## HEADINGS

See Heads; Cooperage

## HEADLIGHTS

**CAL.—San Francisco**  
 Boesch Lamp Co., 585 Mission (Electric; Locomotive) O  
**ILL.—Chicago**  
 Adams & Westlake Co. Ontario, cor. N. Franklin (Acetylene Gas; Arc; Locomotive; Street; Interurban Oil) AAAA  
 Pyle National Elec. Headlight Co., Monadnock Bldg. (Electric; Locomotive) D  
 Wilson & Co., F. Cortez, 239 Lake (Acetylene; Locomotive) B  
**IND.—Evansville**  
 Schroeder Headlight Co. (Locomotive) D  
**IND.—Fort Wayne**  
 Fort Wayne Electric Corporation (Electric; Locomotive) AAAA  
**MASS.—Boston**  
 Dewey Co., F. O., 28 Canal (Electric; Locomotive) D  
 Sherbourne & Co., 53 Oliver (Locomotive) A  
 Wheeler Reflector Co., 156 Pearl (Electric; Locomotive) C  
**MICH.—Detroit**  
 Buhl Stamping Co. (Locomotive) AA  
**MO.—St. Louis**  
 Eagle Generator Co., 1530 Pine (Acetylene Gas) A  
 Handlan-Buck Mfg. Co., 210 N. 3d (Locomotive) AA  
**Kraushaar Brass Mfg. Co.,**  
 510 Elm (Locomotive) A  
**St. Louis Car Co.,**  
 8000 No. B'way (Arc) AAAA  
**Western Electric Supply Co. (Electric Locomotive)** X  
**N. Y.—Buffalo**  
 Russell & Watson, 145 Main (Locomotive) D  
**U. S. Headlight Co.,**  
 (Locomotive) B  
**New York City**  
 Dietz Co., R. E. (Locomotive) A  
 Dressel Railway Lamp Wks  
 3878 Park Av. (Locomotive) D  
 Morris, E. P., 15 Cortlandt (Electric) D  
**N. Y.—Rochester**  
 Glazier Head Light Co., 7 Griffith (Locomotive) E  
 Ham Mfg. Co., C. T., 731 Oak (Locomotive; Traction Engine) AA  
 Rochester Head Light Wks. (Locomotive) D  
 Star Head Light Co., 13 Allen (Electric; Locomotive) X  
**N. Y.—Schenectady**  
 General Electric Co. (Electric; Locomotive) AAAA  
**N. Y.—Syracuse**  
 Crouse-Hinds Co. (Electric; Locomotive) A  
**OHIO—Cincinnati**  
 Cinn. Railway Supply Co.

**HEADLIGHTS (Con.)**  
 (Locomotive) A  
**OHIO—Dayton**  
 Dayton Mfg. Co. (Arc; Incandescent; Locomotive) A  
**OHIO—Mansfield**  
 Ohio Brass Co. (Electric; Locomotive) AA  
**PA.—Philadelphia**  
 Brill Co., J. G., 62nd & Woodland Av. (Electric Car; Locomotive) AAAA

## HEADS

See also Cooperage

**CONN.—Bridgeport**  
 Brainting, F. K. (Doll) F  
**CONN.—Elmwood**  
 Whitlock Coil Pipe Co. (Exhaust) AA  
**CONN.—Hartford**  
 Pratt & Whitney Co. (Emery Wheel Grinding; Index; Dividing; Screw Cutting Die) AAAA  
 Sterling Blower & Pipe Mfg. Co. (Exhaust) A  
**CONN.—New Haven**  
 Geometric Drill Co. (Screw Cutting Die) C  
**CONN.—Norwich**  
 Rogers & Co., C. B. (Lathe) AAAA  
**ILL.—Chicago**  
 American Spiral Pipe Wks., 1173 S. Paulina (Exhaust) B  
 Chicago Rawhide Mfg. Co. (Drum) A  
 Curtis-Leger Fixture Co., 126 Franklin (Wax) B  
 Diamond Whip Co., 85 W. North Av. (Drum) E  
 Lyman, W. C., 49 Michigan (Exhaust) D  
 Prentice Co., L. H., 84 Sherman (Exhaust) A  
 Ryerson & Son, Jos. T., 22 Milwaukee Av. (Flanged Boiler) AAAA  
 Warren, James P., 134 N. Jefferson (Exhaust) X  
**ILL.—Quincy**  
 Gardner Governor Co. (Exhaust) AA  
**ILL.—Springfield**  
 Springfield Boiler & Mfg. Co. (Flanged Boiler) A  
**IND.—Indianapolis**  
 Atkins & Co., E. C. (Dado) AAAA  
**IOWA—Dubuque**  
 Adams Co. (Cylinder) A  
**MASS.—Boston**  
 Chandler & Farquhar Co. (Polishing) B  
 Sturtevant Co., B. F. (Exhaust) AAAA  
 Woods Machine Co., S. A. (Matcher) AA  
**MASS.—Fall River**  
 Fall River Fdy. & Mach. Co. (Railway) F  
**MASS.—Greenfield**  
 Goodell-Pratt Co. (Polishing) B  
**MASS.—Hopedale**  
 Draper Co. (Railway) AAAA  
**MASS.—Leominster**  
 Tilton & Cook (Cane) A  
**MASS.—Lowell**  
 Lowell Machine Shop (Railway) AAAA  
**MASS.—Newton Upper Falls**  
 Saco & Pettie Mach. Shops (Railway) AAAA  
**MASS.—Taunton**  
 Mason Mach. Wks. (Railway; Cotton Railway) AA  
**MASS.—Whitinsville**  
 Whitin Machine Wks. (Railway) AAAA  
**MICH.—Detroit**  
 Young Bros. Co., 263 Franklin (Exhaust) E  
**MICH.—Grand Rapids**  
 Fox Machine Co., 127 N. Front (Dado) A  
 Waddell Mfg. Co. (Carved Grotesque) B



# HEADS (Con.)

MO.—St. Louis  
Wangler Boller & Sheet  
Iron Works Co.; Jos. F.  
(Exhaust Pipe) .....A  
N. J.—Jersey City  
Griffing Iron Co., A. A.  
(Exhaust) .....AA  
N. J.—Newark  
Hanson & Van Winkle Co.  
(Polishing) .....AA  
Maher & Flockhart (Man-  
hole) .....A  
N. J.—Smithville  
Smith Machine Co., H. B.  
(Cutter; Matcher; Step)  
A  
N. Y.—Brooklyn  
Gretsch Mfg. Co., Fred  
(Banjo) .....C  
Williams & Co., J. H. (Golf  
Club) .....AA  
N. Y.—Buffalo  
Pratt & Letchworth Co.  
(Piston; Cross) .....AAA  
N. Y.—Mechanicstown  
Rogers, Fred (Drum) ....F  
New York City  
Abendroth & Root Mfg. Co.,  
99 John (Exhaust Pipe;  
Condenser) .....A  
Abendroth & Stein, 284  
Pearl (Exhaust) .....F  
A m e r i c a n Woodworking  
Machinery Co., 186 Lib-  
erty (Cutter; Jointer;  
Matcher) .....AAAA  
Bushnell Co., Jno. L., 126  
Liberty (Exhaust) .....E  
Fradley & Co., J. F. (Inc.)  
(Cane) .....E  
Garvin Machine Co., 187  
Varick (Index; Dividing)  
AA  
Grote & Co., F. (Cane)....D  
Handel, Louis, 213 Centre  
(Guitar; Mandolin) ....D  
Kaldenberg Importing &  
Trading Co. (Cane) ....D  
Kelley & Son, Benj. F., 91  
Liberty (Exhaust) .....B  
Koven & Bro., L. O., 50  
Cliff (Exhaust) .....A  
Locklin & Sons, P. H.  
(Cane) .....G  
Patterson & Co., Frank L.,  
28 Cortlandt (Exhaust).E  
Robertson & Sons, Jas. L.,  
204 Fulton (Exhaust) ..D  
Rutler Co., E., 176 Centre  
(Exhaust) .....A  
Simmons Co., Jno., 110  
Centre (Exhaust) ....AA  
Slotkin & Praglin, 210 Canal  
(Emery Wheel Grinding)  
B  
Standard Steam Specialty  
Co., 111 5th Av. (Ex-  
haust) .....D  
Stewart & Potter Co. (Golf  
Stick) .....B  
Thompson & Co., Richard,  
126 Liberty (Exhaust)...F  
Thomson, W. S., 418 W.  
27th (Cutter) .....F  
905 5:6 '5 543 Register—392  
Weisker & Co., Chas., 55  
E. 8th (Birds) .....F  
Winckler & Son, L. (Cane)  
C  
Zucker & Levett & Loeb Co.,  
528 W. 25th (Polishing).A  
N. Y.—Rochester  
Huther Bros. (Dado) ....B  
N. Y.—Syracuse  
Direct Separator Co. (Ex-  
haust) .....C  
Van Wie, Irvin (Deep Well  
Pump Power) .....C  
OHIO—Akron  
Burt Mfg. Co. (Exhaust)..C  
OHIO—Cincinnati  
American Tool Works Co.  
6th & Eggleston (Screw  
Cutting Die) .....AA  
Cincinnati Milling Machine  
Co., Spring Grove Av. &  
Alfred (Index; Dividing)  
AA  
Fay & Egan Co., J. A.,  
cor. Front & John (Cut-  
ter; Matcher) .....AAAA  
Lee, Thomas (Exhaust)...C

# HEADS (Con.)

Littleford Bros., 453 E.  
Pearl (Exhaust) .....B  
OHIO—Cleveland  
Acme Machinery Co. (Screw  
Cutting Die) .....AA  
Avery Stamping Co., Lake &  
Coe (Flanged Boiler; Cy-  
linder) .....B  
Garry Iron & Steel Co. (Con-  
ductor) .....A  
OHIO—Springfield  
Hopkes Mfg. Co. (Cast Iron  
Exhaust) .....A  
OHIO—Tiffin  
National Machinery Co.  
(Bolt Cutter) .....AA  
OHIO—Toledo  
National Cement & Rubber  
Mfg. Co. (Braser) .....C  
PA.—Bradnock  
Bradnock Machine & Mfg.  
Co. (Air) .....A  
PA.—Chester  
Chester Steel Castings Co.  
(Piston; Cross) .....AA  
PA.—Coatesville  
Lukens Iron & Steel Co.  
(Flanged Boiler) .....AAAA  
Worth Bros Co. (Flanged;  
Dished Boiler) .....AA  
PA.—Erie  
Modern Tool Co. (Self-open-  
ing Screw Head Die) ...E  
Sims Co. (Exhaust) .....D  
PA.—Harrisburg  
Central Iron & Steel Co.  
(Flanged Boiler) ..AAAA  
PA.—Kane  
Holgate Bros. Co. (Brush).B  
PA.—Lancaster  
Lancaster Silver Plate Co.  
(Cane) .....C  
PA.—Milton  
Shimer & Sons, Samuel J.  
(Expansion Cutter; Joint-  
er; Matcher; Sash Cutter)  
A  
PA.—Philadelphia  
Hoopes & Townsend Co.  
(Steeple) .....AAA  
Kensington Engine Works,  
Beach & Vienna (Exhaust)  
A  
Knell, Francis B. (Doll)..H  
Power & Co., L. (Est. of)  
22 South 23d (Cutter;  
Matcher) .....A  
Simons Bros. & Co. (Cane)  
A  
Watson & McDaniel Co., 146  
N. 7th (Exhaust) .....C  
PA.—Pittsburg  
Carnegie Steel Co. (Ltd.)  
(L o c o m o t i v e; Cross)  
AAAA  
Crucible Steel Co. of Amer-  
ica, Frick Bldg. (Steel  
Planer) .....AAAA  
PA.—Pottstown  
Glasgow Iron Co. (Flanged;  
Dished Steel Boiler).AAA  
PA.—Scranton  
Union Steam Specialty Co.  
(Exhaust) .....A  
R. I.—Providence  
Braltsch & Co., W. J.  
(Cane) .....C  
Briggs & Sons' Co., J.  
(Cane) .....A  
Brown & Sharpe Mfg. Co.  
(Index; Dividing) .AAAA  
VT.—Springfield  
Jones & Lamson Machine Co.  
(Screw Cutting Die) ..AA  
WASH.—Seattle  
Philbrick Cutter Head Co.  
(Cutter) .....E

# HEARSES

See also Carriages & Wagons

CONN.—New Haven  
Goodrich & Co., J. T. ....AA  
ILL.—Sterling  
Rock Falls Mfg. Co. ....A  
IND.—Indianapolis  
Robbins, Irvin & Co. ....D  
MASS.—New Bedford  
Brownell, Geo. L. ....B  
MO.—St. Louis  
St. Louis Coffin Co. ....AA

**HEARSEES (Con.)**

N. J.—Newark  
 Quimby & Co., J. M. ....A  
 N. Y.—Albany  
 Gould Co., James .....B  
 M. Y.—Rochester  
 Cunningham, Son & Co., Jas.  
 AAAAA

OHIO—Cincinnati  
 Crane & Breed Mfg. Co.  
 AA

Sayers & Scovill .....AA

OHIO—Ravenna

Riddle Coach & Hearse Co.  
 AA

**HEARTHS**

N. Y.—Long Island City

Leininger, Peter H. ....D

N. Y.—Oxford

Clark Bluestone Co., F. G.  
 (Stone) .....A

PA.—East Bangor

East Bangor Consolidated  
 Slate Co. (Slate) ....AA

PA.—Philadelphia

Philadelphia Roll & Machine  
 Co. (Open) .....A

PA.—Pittsburg

Aiken & Co. (Tile) .....B

Star Encaustic Tile Co.  
 (Tile) .....B

PA.—Tunkhannock

Hawke Stone Co. ....D

VT.—Fairhaven

Fairhaven Marble & Marble-  
 ized Slate Works .....B

WIS.—Milwaukee

Allis-Chalmers Co. (Fore)  
 AAAAA

**HEATERS**

See also Furnaces; Boilers;  
 Super Heaters

CAL.—San Francisco

Ribbons Water Heating Co.  
 (Water; Bath; Tank) ..G

Tay Co., Geo. H., 49 1st  
 (Hot Water) .....AA

Wilson Co., Wm. F. (Hot  
 Water) .....A

CONN.—Bridgeport

Coulter & McKensie Machine  
 Co. (Feed Water) .....B

CONN.—Derby

Birmingham Iron Foundry  
 (Stationary) .....AA

CONN.—Elmwood

Whitlock Coll Pipe Co.  
 (Feed Water) .....AA

CONN.—Hartford

Davis & Son, I. B. (Feed  
 Water; Steam) .....A

CONN.—Meriden

Bradley & Hubbard Mfg. Co.  
 (Oil) .....AAAA

CONN.—New Haven

Foekett & Bishop Co., Grand  
 & Railroad Av. (Feed  
 Water; Greenhouse;  
 Steam; Hot Water) ....B

National Pipe Bending Co.  
 (Feed Water; Combination  
 Hot Water; Air;  
 Stationary; Hot Water)  
 B

CONN.—New London

Hopson & Chapin Mfg. Co.  
 (Hot Water) .....B

CONN.—Putnam

Putnam Fdy. & Machine Co.  
 (Steam; Hot Water) ....B

CONN.—Stamford

Stamford Fdy. Co. (Hot Air;  
 Hot Water Combination)  
 A

Stamford Gas Stove Co.  
 (Gas; Gas Water; Bath;  
 Tank) .....B

CONN.—Thompsonville

Bushnell Press Co., G. H.  
 (Oil Seed Meal) .....A

CONN.—Waterbury

Plume & Atwood Mfg. Co.  
 (Gas; Oil) .....AAA

DEL.—Wilmington

Remington Machine Co.  
 (Steam; Hot Water) ..A

ILL.—Chicago

Allis-Chalmers Co., Home

**HEATERS (Con.)**

Ins. Bldg. (Feed Water)  
 AAAAA

American Radiator Co.,  
 Lake & Dearborn (Water  
 Tank; Laundry; Steam;  
 Hot Water) .....AAAA

Baragwanath & Son, Wm.,  
 52 W. Division (Feed  
 Water) .....C

Barier Mfg. Co., A. C., 104  
 Lake (Oil) .....B

Chicago Flexible Shaft Co.  
 Carriage) .....B

Chicago Heater & Supply  
 Co., 54 Dearborn (Combina-  
 tion) .....E

Colles & Co., E. G. T., 42  
 S. Clinton (Feed Water)  
 B

Excelsior Steel Furnace Co.,  
 38 W. Monroe (Combina-  
 tion) .....A

Fairbanks, Morse & Co.,  
 cor. Franklin & Monroe  
 (Galvanized Steel Tank)  
 AAAAA

Fuller-Warren Co., 147 Lake  
 (Steam; Hot Water) ...B

Illinois Malleable Iron Co.,  
 30 W. Monroe (Water  
 Tank; Steam; Hot Water)  
 AAAAA

Instantaneous Water Heat-  
 ing Co., 90 Ohio (Instan-  
 taneous; Bath; Water;  
 Tank) .....D

Kellogg, Mackey, Cameron  
 Co., 222 Lake (Steam;  
 Hot Water) .....AAA

Kimbark, S. D., 80 Michigan  
 Av. (Tire) .....X

Kost Mfg. Co., 152 E. Lake  
 (Gas Jet) .....X

Kroeschell Bros. Co., 29  
 Erie (Feed Water; Green-  
 house) .....A

Lyman, W. C., 49 Michigan  
 (Asphalt; Tar) .....D

McGuire-Cummings Mfg.  
 Co., 122 N. Sangamon  
 (Car; Curling Iron) ...A

National Boiler Works, 60  
 Fulton (Feed Water) ...B

Nicol & Co. (Curling Iron)  
 D

Prentice & Co., L. H., 34  
 Sherman (Greenhouse) ..A

Rubel & Co., 82 Lake  
 (Steam; Hot Water) ...B

Smith Co., Charles, 122 Lake  
 (Hot Air; Water; Gas;  
 Bath; Tank) .....D

Wilson & Co., F. Cortes  
 (Portable) .....B

Wolf Co., Fred W., 139  
 Rees (Juice) .....AAA

ILL.—Decatur

Oakes, Wm. L. (Feed  
 Water) .....D

ILL.—Galva

Hayes Pump & Planter Co.  
 (Hot Water) .....A

ILL.—Harvard

Hunt, Helm, Ferris & Co.  
 (Tank) .....AA

ILL.—Joliet

Adams Steel & Wire Co.  
 (Instantaneous Water;  
 Bath; Tank) .....D

ILL.—Kewanee

Kewanee Boiler Co. (Steam;  
 Hot Water) .....AA

Peters Pump Co. (Steam;  
 Hot Water) .....A

ILL.—Moline

Barnard & Leas Mfg. Co.  
 (Wheat; Hot Water;  
 Steam) .....AA

ILL.—Peoria

McAleeman Boiler Co. (Hot  
 Water; Steam) .....A

O'Neill Water Heater Mfg.  
 Co. (Water; Bath; Tank)  
 E

ILL.—Rockford

Eclipse Gas Stove Co. (Gas;  
 Gas Water; Tank; Bath)  
 B

IND.—Anderson

Anderson Fdy. & Machine  
 Wks. (Steam; Hot Water)  
 B

**HEATERS (Con.)**  
**IND.—Butler**  
Butler Co. (Tank) ..... B  
**IND.—Evansville**  
Carmody, J. D. (Greenhouse) ..... B  
**IND.—Goshen**  
Kelly Fdy. & Mach. Co. (Tank) ..... A  
**IND.—Indianapolis**  
Knight & Jillson Co. (Bath; Steam; Hot Water; Tank; Coal; Gas) ..... AAA  
Nordyke & Marmon Co. (Wheat) ..... AAA  
**IND.—Kendallville**  
Flint & Walling Mfg. Co. (Tank) ..... AA  
**IND.—Logansport**  
Dorner Truck & Fdy. Co. (Electric Car) ..... X  
**IND.—Terre Haute**  
Prox & Brinkman Mfg. Co. (Steam; Hot Water) .... A  
**IOWA—Burlington**  
Murray Iron Works Co. (Feed Water) ..... A  
**IOWA—Des Moines**  
Des Moines Mfg. & Supply Co., 121 Court Av. (Hot Water; Steam) ..... A  
**IOWA—Waterloo**  
Kelly & Tannhill Co. (Tank) ..... C  
**KY.—Newport**  
Higgin Mfg. Co. (Vehicle) ..... A  
**LA.—New Orleans**  
Hautman & Loeb Co. (Ltd.) 217 Gravier (Juice) ..... B  
Murphy, Jno. H., 643 Magazine (Juice) ..... AA  
Payne & Joubert, 423 Carondelet (Juice) ..... A  
**MAINE—Portland**  
Portland Stove Foundry Co. (Combination; Hot Water) ..... B  
**MD.—Baltimore**  
Bibb Stove Co., B. C., 107 Light (Baltimore; Fire Place) ..... A  
Flynn & Emrich, 222 N. Holliday (Steam; Hot Water) ..... B  
Sheppard & Co., Isaac A., cor. Eastern Av. & Chester (Steam; Hot Water) ..... AAA  
Weisskittle & Son, G., Aliceanna & Washn. (Gas Radiator; Oil) ..... A  
Wood Co., W. S., 18 N. Howard (Steam; Hot Water) ..... B  
**MASS.—Boston**  
Bernstein Electric Mfg. Co., 286 Roxbury (Electric Fan) ..... B  
Empire Laundry Machy. Co. (Gas) ..... C  
Gurney Heater Mfg. Co., 74 Franklin (Water; Bath; Tank; Laundry; Steam) . B  
Highland Foundry Co. (Hot Water; Steam) ..... B  
Magee Furnace Co., 38 Union (Hot Water; Steam; Combination) ..... AA  
Page Bros. & Co., 227 Cambridge (Oil) ..... B  
Simplex Electric Heating Co. (Electric Car; Fan) . B  
Smith & Anthony Co., 48 Union (Hot Water; Steam) ..... AA  
Walker & Pratt Mfg. Co., 38 Union (Combination Water; Bath; Tank; Hot Water; Steam) ..... AA  
Walworth Construction & Supply Co., 100 Pearl (Greenhouse) ..... B  
Walworth Mfg. Co. (Feed Water) ..... AAAA  
**MASS.—Springfield**  
Giant Heater Co., 82 Monmouth (Gas Jet) ..... D  
**MASS.—Taunton**  
Taunton Locomotive Mfg. Co. (Feed Water) ..... A  
Weir Stove Co. (Hot Water;

**HEATERS (Con.)**  
Steam) ..... A  
White-Warner Co. (Hot Water; Steam) ..... B  
**MASS.—Westfield**  
Smith Co., H. B. (Steam; Hot Water; Steam Portable) ..... AA  
**MASS.—Worcester**  
Stewart Boiler Works, Albany & Muskego (Steam; Hot Water) ..... B  
**MICH.—Ann Arbor**  
Schneider Closet & Heater Co. (Bath; Water) ..... F  
**MICH.—Detroit**  
American Electric Heater Co. (Electric; Sad Iron; Curling Iron; Sterilizing) ..... B  
Day Metallic Mfg. Co., 8th above Michigan (Water; Bath; Tank) ..... E  
Detroit Electric Co., 47 State (Electric) ..... F  
Detroit Heating & Lighting Co. (Hot Water; Steam) ..... B  
Detroit Stove Works (Gas; Oil; Instantaneous Water; Water; Bath; Tank) ..... AAAA  
Ideal Mfg. Co., 546 Franklin (Fire Place; Water; Bath; Tank) ..... A  
Peninsular Stove Co. (Hot Water; Steam) ..... AA  
**MICH.—Grand Rapids**  
Weatherly & Pulte (Steam Glue) ..... C  
**MICH.—Jackson**  
Novelty Mfg. Co. (Tank; Aluminum Oil) ..... A  
**MICH.—Kalamazoo**  
Humphrey Co. (Gas; Instantaneous Water; Bath; Tank; Domestic Circulating) ..... C  
**MICH.—Monroe**  
Monroe Fdy. & Furnace Co. (Combination) ..... B  
**MICH.—Saginaw**  
Wickes Bros. (Feed Water; Steam; Hot Water) . AAA  
**MINN.—Minneapolis**  
Howell & Co., R. R. (Tank) ..... B  
Kinne Mfg. Co., 213 S. 2d (Oil) ..... B  
**MIN.—St. Paul**  
South Park Fdy. & Mach. Co. (Hot Water) ..... B  
**MISS.—Corinth**  
Adams Machine Co., W. T. (Feed Water) ..... AA  
**MO.—Kansas City**  
Cotter, James, 923 E. 12th (Steam; Hot Water) .... B  
**MO.—St. Louis**  
American Stove Co., 414 N. 6th (Gas; Instantaneous Water; Bath; Tank) ..... AAAA  
Front Rank Steel Furnace Co., 2301 Lucas Av. (Hot Water; Steam) ..... B  
Handlan-Buck Mfg. Co., 212 N. 3d (Sand) ..... AA  
Schifferle, Fredolin, 1224 S. B'way (Water; Bath; Tank) ..... C  
**N. H.—Exeter**  
Exeter Machine Works (Hot Water; Steam) ..... B  
**N. J.—Burlington**  
Stuart & Peterson Co. (Steam Glue) ..... A  
**N. J.—Camden**  
Webster, Warren & Co. (Feed Water) ..... AA  
**N. J.—Jersey City**  
Flynn, W. S., 74 Hudson (Feed Water) ..... C  
Griffing Iron Co., A. A. (Car; Feed Water; Exhaust Steam; Steam; Hot Water) ..... AA  
Phillips Mfg. Co., West Side Av. (Greenhouse) . X  
**N. J.—Passaic**  
De Vries Bros. (Feed Water) ..... E

**HEATERS (Con.)**

**N. Y.—Albany**  
 Albany Steam Trap Co.  
 (Feed Water) .....D  
 Weller, Anton (Steam; Hot  
 Water) .....B  
**N. Y.—Binghamton**  
 Gaylord & Eltapence Co.  
 (Steam; Hot Water) ...B  
**N. Y.—Brooklyn**  
 Pioneer Iron Works, 151  
 William (Juice) .....A  
 Scollay, John A. (Est. of)  
 (Greenhouse) .....C  
**N. Y.—Buffalo**  
 American Radiator Co., 1741  
 Elmwood Av. (Steam;  
 Hot Water) .....AAAA  
 Buffalo Dental Mfg. Co.  
 (Gas) .....B  
 Dopp Co., H. W., 522 Elli-  
 cott (Steam Jacketed  
 Glue) .....D  
 Iroquois Iron Works, 178  
 Walden Av. (Asphalt) ..A  
 Learmouth, Robert, White  
 Bldg. (Feed Water) ....E  
 Niagara Machine & Tool  
 Works (Soldering Iron).A  
 Seamans, Irving M., 377  
 Maryland Av. (Automatic  
 Gas; Cold Water, for  
 Kitchen Boilers; Instanta-  
 neous Water) .....F  
 Squier Mfg. Co., Geo. L.,  
 420 Niagara (Juice).AAA  
 Stewart Heater Co. (Feed;  
 Steam Water; also Combina-  
 tion) .....D  
**N. Y.—Geneva**  
 Herendeen Mfg. Co. (Steam;  
 Hot Water; Stationary)  
 AA  
 New York Central Iron  
 Works Co. (Hot Water;  
 Steam) .....B  
**N. Y.—Irvington**  
 Lord & Burnham Co. (Hot  
 Water; Steam; Green-  
 house) .....A  
**N. Y.—Ithaca**  
 Williams Bros. (Steam)..AA  
**N. Y.—Lockport**  
 American District Steam Co.  
 (Automatic Water, for  
 heating water direct from  
 steam lines) .....AAA  
**N. Y.—Long Island City**  
 Stuebner Iron Works, G. L.  
 (Asphalt; Tar; Gravel).B  
**N. Y.—Medina**  
 Swett Iron Works, A. L.  
 (Hot Water) .....A  
**N. Y.—Newburg**  
 Coldwell-Wilcox Co. (Juice;  
 Greenhouse; Steam; Hot  
 Water) .....B  
**New York City**  
 Abendroth Bros., 109 Beek-  
 man (Fire Place; Water;  
 Bath; Tank; Steam)....A  
 American Gas Furnace Co.  
 (Gas) .....A  
 Baker, Smith & Co., 83 W.  
 Houston (Car; Steam;  
 Hot Water) .....AA  
 Baker, Wm. C. (firm of),  
 143 Liberty (Automatic  
 Car; Freight Car) .....B  
 Barstow Stove Co., 228  
 Water (Fire Place; Hot  
 Water; Combination).AA  
 Bernstein Co., S., 88 W.  
 B'way (Water; Bath;  
 Tank) .....D  
 Boynton Furnace Co., 207  
 Water (Fire Place; Hot  
 Water; Stationary; Com-  
 bination; Steam) .....A  
 Cornell Co., J. B. & J. M.,  
 26th & 11th Av. (Juice)  
 AA  
 Crane Co., Wm. M., 1131  
 B'way (Gas; Glue; In-  
 stantaneous Water; Bath;  
 Tank) .....A  
 Creamer & Co., W. G., 96  
 John (Car) .....A  
 Criterion Gas Stove Mfg. Co.  
 (Inc.), 445 G'wich (Gas)  
 X  
 Dame & Townsend Co., 76  
 John (Glue) .....B

**HEATERS (Con.)**

Deeley & Co., Robert, 507  
 W. 82d (Juice) .....AA  
 Fuller & Warren Co. (of  
 Troy, N. Y.) 256 Water  
 (Steam; Hot Water)...AA  
 Gilbert & Barker Mfg. Co.,  
 82 John (Gas; Coll Gas  
 Water; Bath; Tank; In-  
 stantaneous Water) ...A  
 Gold Car Heating & Light-  
 ing Co. (Car; Steam; Hot  
 Water) .....B  
 Goldstein, Joseph, 323 Pearl  
 (Gas; Oil) .....D  
 Gorton & Lidgerwood Co.,  
 96 Liberty (Steam; Hot  
 Water) .....B  
 Goubert Mfg. Co., 85 Lib-  
 erty (Feed Water) ....B  
 Graff Furnace Co., 208  
 Water (Steam; Hot Wa-  
 ter) .....B  
 Griffing Iron Co., A. A. (of  
 Jersey City, N. J.) (Hot  
 Water; Steam) .....AA  
 Hadaway Electric Heating  
 & Engineering Co., 228  
 W. B'way (Electric)...D  
 Hammacher, Schlemmer &  
 Co., 209 Bowery (Glue)  
 AAA  
 Harrisburg Mfg. & Boiler  
 Co., 95 Liberty (Steam;  
 Hot Water) .....B  
 Helpershausen Bros. (Hot  
 Water) .....D  
 Herendeen Mfg. Co. (of Ge-  
 neva, N. Y.), 89 Cort-  
 landt (Steam; Hot Water)  
 A  
 Hitchings & Co., 233 Mercer  
 (Water; Bath; Tank; Hot  
 Water; Greenhouse) ...B  
 Houchin Co., Thos. W. (Cur-  
 ling Iron) .....D  
 Huber Co., Henry, 244 5th  
 Av. (Water; Bath; Tank)  
 Hydrocarbon Burner Co.  
 (Oil) .....X  
 International Heater Co. (of  
 Utica, N. Y.) (Steam; Hot  
 Water) .....AAAA  
 Johns-Manville Co., H. W.,  
 100 William (Car; Elec-  
 tric Car) .....AAAA  
 Kay Co., W. H., 244 Fulton  
 (Greenhouse) .....D  
 Kelley & Son, B. F., 91  
 Liberty (Feed Water) ..B  
 Koven & Bro., L. O., 50  
 Cliff (Asphalt; Feed Wa-  
 ter) .....A  
 Lawler Water, Feed &  
 Damper Regulator Co.,  
 189 Mercer (Water; Bath;  
 Tank) .....F  
 Lord & Burnham Co., 1133  
 B'way (Hot Water) ....A  
 Manhattan Brass Co., 333  
 E. 28th (Oil) .....A  
 Manhattan Gas Heating Co.,  
 903 7th Av. (Gas; Gas  
 Jet) .....X  
 Miller & Co., Edward, 28  
 W. B'way (Oil) .....AAAA  
 Mott Iron Works, J. L.,  
 84 Beekman (Bath; Tank;  
 Water; Sad Iron; Steam;  
 Hot Water; Combination)  
 AA  
 Munsell & Co., Eugene, 218  
 Water (Gas) .....B  
 Nason Mfg. Co., 71 Beek-  
 man (Glue; Hot Water;  
 Steam) .....B  
 New York Central Iron  
 Works Co. (of Geneva, N.  
 Y.), 150 Nassau (Steam;  
 Hot Water) .....B  
 Niles-Bement-Pond Co., 136  
 Liberty (Steam Glue)  
 AAAA  
 Patterson & Co., Frank L.,  
 26 Cortlandt (Feed Water)  
 E  
 Pierce, Butler & Pierce Mfg.  
 Co. (of Syracuse, N. Y.),  
 16 E. 29th (Steam; Hot  
 Water) .....AAAA  
 Prometheus Electric Co., 60  
 Reade (Electric Car) ...F  
 Raymond Mfg. Co. (of Mid-

**HEATERS (Con.)**

dietown, N. Y.), 252  
Water (Steam; Hot Water) .....B  
Richardson & Boynton Co.,  
234 Water (Hot Water; Steam; Combination) ..A  
Robertson & Sons, Jas L.,  
204 Fulton (Feed Water) .....D  
Safety Car Heating & Lighting Co., 163 3'rdwy Automatic Car; Freight Car) .....AAA  
Sheppard & Co., Isaac A., (of Phila., Pa.), 512 Pearl (Steam; Hot Water) .....AAA  
Southard-Robertson Co., 257 Water (Combination) ..B  
Smith Co., H. B. (of Westfield, Mass.), 133 Centre (Steam; Hot Water) ..AA  
Standard Steam Specialty Co., 111 5th Av. (Feed Water) .....D  
Suvio Lighting & Heating Co., 1079 8d Av. (Gas Jet) .....D  
Thatcher Furnace Co., 240 Water (Steam; Hot Water) .....A  
Thayer & Co. (Inc.), 89 Cortlandt (Feed Water) ..E  
Tragesser Steam Copper Works, John (Water) ...B  
Troy Laundry Mach. Co. (Ltd.) (Laundry) .....AA  
Union Stove Wks., 70 Beekman (Gas Radiator; Fire Place) .....AA  
Walsh Co., Owen, 19 Roosevelt (Curling Iron) ....D  
Wheeler Condenser & Engineering Co., 120 Liberty (Feed Water) .....A  
Worthington Pumping Engine Co. (Feed Water) .....AAAA  
N. Y.—North Tonawanda  
Armitage-Hersuell Co. (Hot Water; Steam) .....A  
N. Y.—Oneida  
Warner's Safety Boiler Co. (Steam; Hot Water) ..A  
N. Y.—Rochester  
Clark Novelty Co. (Soldering Iron; Copper) .....D  
Co-operative Fdy. Co. (Hot Water; Steam) .....AAA  
Reynolds, James, 83 Mill (Greenhouse) .....O  
N. Y.—Seneca Falls  
American-La France Fire Engine Co. (Fire Engine; Engine House) .....B  
N. Y.—Syracuse  
Bates, Edw. P., 228 W. Water (Greenhouse; Hot Water; Steam) .....B  
Pierce, Butler & Pierce Mfg. Co. (Hot Water; Steam) .....AAA  
N. Y.—Troy  
Adams Laundry Machy. Co. (Sad Iron) .....B  
Fuller & Warren Co. (Car; Water; Bath; Tank; Baltimore; Steam; Combination; Fire Place; Hot Water) .....AA  
Henderson, Frank (Combination) .....F  
Mahony Mfg. Co. (Water; Hot Air; Steam & Hot Air Combination; Steam; Hot Water) .....B  
West Side Fdy. Co. (Steam; Hot Water) .....A  
N. Y.—Utica  
Giblin & Co. (Steam; Hot Water; Combination) ..B  
Hart & Crouse Co. (Steam; Hot Water; Combination) ..AA  
International Heater Co. (Steam; Hot Water; Combination) .....AAA  
Palmer, C. F. (Combination) .....C  
Utica Heater Co. (Steam; Hot Water; Combination) .....B

**HEATERS (Con.)**

OHIO—Ashtabula  
Barber Mfg. Co. (Combination; Hot Water; Hot Air) .....C  
OHIO—Canton  
Best Street Light Co. (Soldering Iron) .....B  
Novelty Iron Co. (Steam; Hot Water) .....A  
OHIO—Cincinnati  
Blymyer Iron Works Co. (Fruit Drying) .....B  
Lane & Bodley Co. (Feed Water) .....B  
Littleford Bros., 453 E. Pearl (Asphalt; Tar) ...B  
MacLeod & Co., Walter, 463 E. Front (Asphalt) ....B  
Phillips Gas Stove Works, 420 E. 8th (Gas; Tank; Gas Water; Bath; Instantaneous Water) .....D  
Towsley Mfg. Co., John T. (Steam Glue) .....B  
Watkins Mfg. Co., F. M. (Sad Iron) .....B  
OHIO—Cleveland  
Cleveland Fdy. Co. (Oil) ...A  
Dangler Stove & Mfg. Co., 863 Perkins Av. (Gas; Oil) .....AAAA  
Mustee Bros., 204 Cedar Av. (Instantaneous Bath; Water; Tank) .....F  
Schneider & Trenkamp Co., 479 Case Av. (Gas; Oil; Water; Bath; Tank; Instantaneous Water) .....AAAA  
Smith & Co., W. A., 120 Champlain (Car) .....E  
Standard Lighting Co., 16 Perkins (Oil; Gas) .....AAAA  
Union Machine & Boiler Co., 108 River (Feed Water) ..X  
OHIO—Columbus  
Elk Heater Mfg. Co. (Natural Gas) .....F  
Peerless Stove & Range Co. (Gas Water; Bath; Tank) .....D  
OHIO—Dayton  
Dayton Supply Co., 439 E. 1st (Steam; Hot Water; Instantaneous Water; Bath; Tank) .....A  
OHIO—Hamilton  
Kahn Bros., F. & L. (Gas; Gas Water; Bath; Tank) .....A  
OHIO—Marietta  
Marietta Boiler Works (Feed Water) .....A  
OHIO—Martins Ferry  
Acme Sheet Metal Co. (Gas) .....D  
Stanton Heater Co. (Steam; Hot Water) .....B  
OHIO—Springfield  
Hoppes Mfg. Co. (Feed Water) .....A  
Kelly Co., O. S. (Asphalt) .....AA  
OHIO—Toledo  
National Supply Co. (Water; Bath; Tank) .....AAAA  
Ransom & Randolph Co. (Water; Bath; Tank) ...A  
OHIO—Vermilion  
Duplex Heating & Mfg. Co. (Hot Water) .....B  
OHIO—Warren  
Day-Ward Co. (Water) ..B  
PA.—Allegheny  
Stephenson Mfg. Co. (Automatic Water; Bath; Instantaneous Water; Tank) .....D  
Sterling Instantaneous Water Heating Co. (Bath; Water; Tank; Instantaneous Water) .....F  
PA.—Allentown  
Grammes & Sons, L. F. (Glue) .....A  
PA.—Chester  
Wetherill & Co., Robert (Feed Water) .....AAAA  
PA.—Coatesville  
Coatesville Boiler Works (Steam; Hot Water) ...A

**HEATERS (Con.)**

**PA.—Erie**  
 Erie City Iron Works (Feed Water) .....AAAA  
 Erie Machine Shops (Feed Water) .....B  
 Erie Mfg. & Supply Co. (Feed Water) .....B  
 Hollands Mfg. Co. (Water; Bath; Tank) .....B  
 Odin Stove Mfg. Co. (Gas Water; Bath; Tank) ...B  
 Sims Co. (Feed Water) ...D  
**PA.—Harrisburg**  
 Harrisburg Mfg. & Boiler Co. (Steam; Hot Water) B  
 Harrisburg Pipe & Pipe Bending Co. (Feed Water) AAA  
 Hickok Mfg. Co., W. O. (Gas; Glue) .....AA  
**PA.—Homestead**  
 Lawson Mfg. Co., L. S. (Instantaneous Gas; Water; Bath; Tank) .....D  
**PA.—Huntingdon**  
 Keystone Boiler & Radiator Co. (Hot Water) .....B  
**PA.—Lansdale**  
 Heebner & Sons (Steam; Hot Water) .....B  
**PA.—Meadville**  
 Phoenix Iron Works Co. (Feed Water) .....A  
**PA.—Middletown**  
 Raymond Mfg. Co. (Steam; Hot Water) .....B  
**PA.—New Castle**  
 Stevenson Bros. (Water; Bath; Tank) .....B  
**PA.—Philadelphia**  
 American Radiator Co., 622 Arch (Steam; Hot Water) AAAA  
 Atlantic Works (Inc.), 23d & Arch (Steam Glue) ...B  
 Brill Co., J. G., 62d & Woodland Av. (Car) ....AAAA  
 Cox Stove Co., Abram, Amer. & Dauphin (Fire Place; Laundry; Combination) .....AAA  
 Cox & Sons' Co., 215 Race (Feed Water; Steam; Hot Water) .....B  
 Coatesville Boiler Works, Fidelity Bldg. (Steam; Hot Water) .....A  
 Enterprise Mfg. Co. of Pa. (Sad Iron) .....AAAA  
 Eynon - Evans Mfg. Co. (Water; Bath; Tank) ...A  
 Harrison Safety Boiler Wks., 17th & Allegheny Av. (Feed Water) .....A  
 Kensington Engine Works (Ltd.) Beach & Vienna (Feed Water; Hot Water) A  
 Model Heating Co., Amer. & Dauphin (Hot Water; Steam) .....AAA  
 Morris, Henry G., Phila. Bourse (Juice) .....B  
 Pancoast & Co., Henry B., 243 S. 3d (Glue) .....B  
 Paxson Co., J. W., 1021 N. Delaware Av. (Glue) ...AA  
 Pennsylvania Range Boiler Co., 2010 N. 10th (Feed Water) .....B  
 Phila. Engineering Wks. (Feed Water) .....AAAA  
 Sheppard & Co., Isaac A., 1801 N. 4th (Steam; Hot Water; Combination) ...AAA  
 Spear Stove & Heating Co., James, 1014 Market (Elec. Car Heating; Ventilating Combined) .....A  
**PA.—Pittsburg**  
 Bonar & Co., James (Feed Water) .....B  
 Gabel Mfg. Co., 103 Market (Water; Bath; Tank; Instantaneous Water) ...D  
 Klingelhoffer & Co., Wm., 1428 5th Av. (Gas) ...B  
 Monarch Water Heater Co., 306 Wood (Water; Bath; Tank; Instantaneous) ...B  
 Pittsburg Feed Water Heat-

**HEATERS (Con.)**

er Co. (Feed Water) ...D  
 Scaife & Sons' Co., Wm. B., 221 1st Av. (Asphalt; Hot Water; Feed Water; Steam) .....AAA  
 Taylor Burner & Electroplating Co., 804 Duquesne-way (Water; Bath; Tank) D  
 Woodworth & Sons, A. M., 112 Wood (Water; Bath; Tank) .....X  
**PA.—Pottstown**  
 March-Brownback Stove Co. (Steam; Hot Water; Combination) .....A  
 Sotter Bros. (Feed Water; Steam; Hot Water) ....B  
**PA.—Reading**  
 Orr, Painter & Co. (Fire Place; Steam; Hot Air; Hot Water; Combination) AA  
 Prizer-Painter Stove & Heater Co. (Hot Water; Steam) .....A  
**PA.—Scranton**  
 Union Steam Specialty Co. (Feed Water) .....A  
**PA.—Uniontown**  
 Johnson Machine Co. (Gas) C  
**PA.—Washington**  
 Petroleum Iron Wks. Co. (Feed Water) .....A  
**PA.—Waynesboro**  
 Frick Co. (Feed Water) AAAA  
**PA.—Wilkesbarre**  
 Vulcan Iron Works (Hot Water) .....AAAA  
**PA.—Williamsport**  
 Steel & Robinson Co. (Hot Water; Steam) .....B  
**PA.—York**  
 Broomell, Schmidt, Steacy & Co. (Inc.) (Steam; Hot Water) .....A  
 Motter & Sons, Geo. F. (Steam; Portable) .....O  
**R. I.—Providence**  
 Allen Fire Dept. Supply Co., Edy, cor. Friendship (Hot Water; Steam) .....B  
 Barstow Stove Co. (Hot Water) .....AA  
 Brown & Sharpe Mfg. Co. (Gas, for tool tempering) AAAA  
**TENN.—Chattanooga**  
 Casey & Hedges Mfg. Co. (Feed Water) .....A  
**TENN.—Jackson**  
 Southern Engine & Boiler Wks. (Hot Water; Steam) AA  
**WIS.—Beloit**  
 Thompson & Sons Mfg. Co., J. (Tank) .....AA  
**WIS.—Oudahy**  
 Power & Mining Machinery Co. (Asphalt) .....AAA  
**WIS.—La Crosse**  
 Funk Boiler Works Co., M. (Feed Water) .....C  
**WIS.—Milwaukee**  
 Allis-Chalmers Co. (Feed Water) .....AAAA  
 Fuller-Warren Co. (Car; Hot Water; Steam; Combination) .....AAA  
 Milwaukee Gas Works Co., 139 Burrell (Open Grate; Gas; Gas Water; Bath; Tank) .....D  
 Mooers Co., H., 112 2d (Hot Water; Steam) .....B  
 Mueller Furnace Co., L. J. (Combination) .....A  
 Nordberg Mfg. Co., 476 Virginia (Feed Water) .AAA  
 Schwab & Sons' Co., R. J., 271 Clinton (Steam; Hot Water) .....A  
 Western Malleable & Grey Iron Mfg. Co. (Water Tank) .....B  
**WIS.—Wausau**  
 Murray Mfg. Co., D. J. (Feed Water) .....A

## HEDDLES

**MASS.—Leicester**  
Watson Mfg. Co., L. S.  
(Wire) .....B  
**MASS.—Lowell**  
Carruthers, Robert .....B  
Harris, Geo. W., 199 Per-  
kins .....B  
**MASS.—Worcester**  
Howard Bros. Mfg. Co., 42  
Vine (Wire) .....A  
N. J.—Paterson  
Ferrary & Schauble Co.  
(Horse Hair) .....D  
Hall & Co., I. A., 30 Ham-  
ilton Av. (Braided) ....A  
Walder, J. ....AA  
N. Y.—Utica  
Williams Co., J. H. ....A  
**PA.—Darby**  
Benaset, Heddle Co. (Ltd.)  
B  
**PA.—Philadelphia**  
Billington Co., Jos. H., 118  
Chestnut (Wire) .....A  
Schaum & Uhlinger, N. 2d  
& Glenwood Av. ....AAA  
Steel Heddle Mfg. Co., 1840  
G'tn. (Steel) .....D  
**E. I.—Pawtucket**  
Excelsior Loom Reed Wks.  
(Steel) .....E  
**E. I.—Providence**  
American Supply Co. (Jac-  
quard) .....AA

## HEELS

**ILL.—Chicago**  
Chicago Tire & Rubber Co.  
(Rubber) .....D  
Farnsworth, Hoyt & Co.  
(Rubber) .....B  
First Rubber Co., 156 Lake  
(Rubber) .....D  
Morgan & Wright (Rubber)  
AA  
Salomon, Carl J. (Rubber)  
D  
**MASS.—Boston**  
Pneumatic Cushion Rubber  
Heel Co., 19 Lincoln (Rub-  
ber) .....F  
Whitcher & Co., Frank W.  
(Rubber) .....A  
**MASS.—Brookton**  
Shaw & Son, F. M. ....B  
**MASS.—Cambridge**  
Boston Woven Hose & Rub-  
ber Co. (Rubber) ..AAAA  
**MASS.—Chelsea**  
Dandy Rubber Heel Co.  
(Rubber) .....F  
**MASS.—Haverhill**  
Fox Heel Co., Chas. K.  
(Wood) .....A  
Slipper City Wood Heel Co.  
(Wood) .....F  
**MASS.—Lowell**  
O'Sullivan Rubber Co. (Rub-  
ber) .....B  
**MASS.—Lynn**  
Houghton Heel & Leather  
Co. ....X  
Tebbets, C. B. (Rubber) ..H  
**MASS.—Milford**  
Greene Bros. ....C  
**MASS.—South Easton**  
Ross Heel Co. (Wood) ....C  
**MASS.—Spencer**  
Barr & Son, W. A. ....D  
N. J.—Newark  
Shaw, W. & J. H. (Cast  
Iron) .....F  
New York City  
New York Wood Heel Co.,  
890 3d (Wood) .....E

## HEKTOGRAPHS

**MO.—St. Louis**  
Leveson & Blythe Mfg. Co.,  
209 Locust .....D  
New York City  
Hektograph Mfg. Co. ....D

## HELIOGRAPHS

**MD.—Baltimore**  
Friez, Julian P., 1820 E.  
Baltimore .....E

## HELIOTYPES

**MASS.—Boston**  
Heliotype Printing Co. ....E  
New York City  
Behr & Co., Herman ....AA

## HELMETS

**CONN.—South Norwalk**  
Volk Hat Co. ....D  
**ILL.—Chicago**  
Stumps, P., 6416 Ingleside  
Av. (Firemen's) .....X  
**IND.—Indianapolis**  
Vajen-Bader Co. (Firemen's)  
X  
**N. J.—Newark**  
Rummell Co., J. ....A  
New York City  
Berkson, M., 50 W. Hous-  
ton .....F  
Knox, E. M., B'way & Ful-  
ton (Police; Letter Car-  
riers') .....C  
Warnock Uniform Co., 19  
W. 18th .....C  
Witt, Isaac M., 5 2d .....F  
**PA.—Philadelphia**  
Horstmann & Co., Wm. H.  
AAAA  
Schoenhut & Co., A. (Toy)  
A

## HEMLOCK

See Lumber

## HEMP

**KY.—Lexington**  
American Hemp Co. ....B  
Logan Bros. & Haggin  
(Dressers) .....D  
Longbridge, W. J. (Single;  
Double Dressed) .....B  
Morgan & Co., R. C. (Un-  
dressed; Dressed) .....D  
**KY.—Nicholasville**  
Brown & Bro. (Hackled;  
Undressed) .....C  
**MASS.—Boston**  
Ludlow Mfg. Associates  
AAAA  
**MICH.—Yale**  
Livingston Flax Co., Jas...C  
**MINN.—Jackson**  
Wallace, J. S. (Upholsters)  
E

## HENBANE

New York City  
Hopkins & Co., J. L., 100  
William .....A

## HERBS:

### PRESSED

See also Drugs; Crude  
**MD.—Balto**  
Sharpe & Dohme .....AAA  
**MICH.—Detroit**  
Parke Davis & Co. ....AAAA  
**MINN.—Minn**  
McMillan Fur & Wool Co. X  
New York City  
Adams & Co., Walter...H  
**VT.—Burlington**  
Wells & Richardson Co. AA  
**WIS.—Fon-du-lac**  
Huber & Fuhrman Drug  
Mills .....B

## HERRING

See Fish

## HIDE: RAW

See Rawhide

## HIDES

**ALA.—Birmingham**  
Adler, I. ....B  
**CAL.—San Francisco**  
Bissinger & Co. ....A  
Frank & Co., S. H. ....AAA  
Sumner & Co., W. B. ....A  
Western Meat Co. ....AAA

# HIDES (Con.)

**COLO.—Denver**  
 McLean & Co., E. J. .... B  
 Watkins Mdse. Co., L. A. .... A  
**CONN.—Bridgeport**  
 McElroy Bros. .... B  
 Plumb & Winton Co. .... B  
**FLA.—Jacksonville**  
 Sabel Bros. .... B  
**GA.—Atlanta**  
 Schoen Bros. .... C  
**ILL.—Chicago**  
 Adler & Oberndorf .... A  
 Bolles & Rogers .... A  
 Darling & Co. .... A  
 Elkan & Co., H. .... A  
 Miller & Co., John. .... A  
**ILL.—Decatur**  
 Starr & Son, J. G. .... B  
**ILL.—Lincoln**  
 Atlass, Frank .... B  
**ILL.—Mattoon**  
 Duncan & Kingsolver .... B  
**IND.—Evansville**  
 Evansville Abattoir Co. .... B  
**IND.—Ft. Wayne**  
 Weil Bros. & Co. .... A  
**IND.—Hammond**  
 Hammond Co., Geo. H. .... A  
**IND.—Indianapolis**  
 Indianapolis Abattoir Co. .... A  
 Kingan & Co. .... A  
 Rauh & Sons, E. .... B  
**IND.—Logansport**  
 Hepe & Sons, Wm. .... B  
**IOWA—Mason City**  
 Decker & Sons, J. E. .... B  
**IOWA—Sioux City**  
 Strange Bros. Hide Co. .... C  
**KANS.—Ft. Scott**  
 Glunz, John .... B  
**KY.—Lexington**  
 Speyer & Son .... C  
**KY.—Louisville**  
 Davis & Son, D. .... B  
 Isenberg & Co., G. .... C  
 Rosenbaum & Sons, I. .... A  
 Sabel & Sons, M. .... A  
 White & Co., Jno. .... A  
**LA.—New Orleans**  
 Chapman, W. W. .... C  
 McShane, A. J. .... B  
**MD.—Baltimore**  
 Baer & Co., Lewis. .... A  
**MD.—Cumberland**  
 Hirsch Bros. .... B  
 Rosenthal Bros. .... C  
**MASS.—Boston**  
 Allen & Son, Wm. H. .... B  
 Boston Hide & Skin Assn. .... C  
 Brackett & Co., Geo. A. .... C  
 Buck & Son, Chas. (Sheep) .... B  
 Chubb, W. B. (Sheep) .... B  
 Howard, Harry M. (Pickled Sheep; Lamb) .... B  
 Nyman, Franklin A. .... B  
**MICH.—Detroit**  
 Millenbach Bros. .... C  
 Schmidt, Carl E. .... A  
 Schmidt, Traugott & Sons .... A  
**MICH.—Eaton Rapids**  
 Vaughn & Son, W. .... B  
**MICH.—Grand Rapids**  
 Perkins & Hess .... C  
 Weiden & Son, H. .... C  
**MICH.—Howell**  
 McPherson, Jr., Wm. .... B  
**MICH.—Hudson**  
 Frensdorf & Son, L. .... C  
**MICH.—Ionia**  
 Page & Co., W. C. .... C  
**MICH.—Saginaw**  
 Carlisle, F. W. & F. .... A  
**MINN.—Duluth**  
 Halford & Co., Thos. E. .... D  
**MINN.—Mankato**  
 Henline & Son, F. .... D  
 Mankato Hide & Fur Co. .... D  
**MINN.—Minneapolis**  
 Hudresch Bros. .... C  
 N. W. Hide & Fur Co. .... C  
**MINN.—Rochester**  
 Thompson, J. C. .... C  
**MO.—Kansas City**  
 Biggs & Koch .... B  
 Lyon & Co., M. .... A  
 Nelson, Jno. .... C  
**MO.—Marshall**  
 Lowenstein & Co., A. .... C

# HIDES (Con.)

**MO.—Neosho**  
 Haas, E. .... C  
**MO.—St. Louis**  
 Byrne & Co., Jos. .... B  
 Crowds & Co., J. C. .... A  
 Landau & Co., A. .... A  
 St. Louis Hide & Tallow Co. .... C  
 Wolfheim, Moses .... C  
**MO.—Trenton**  
 Stein & Son, H. .... C  
**MONT.—Billings**  
 Yegen Bros. .... B  
**MONT.—Butte**  
 Hample, J. E. .... B  
**MONT.—Ft. Benton**  
 Power & Bro., T. C. .... A  
**N. Y.—Balston Spa**  
 Schwartz, Magnus .... C  
**N. Y.—Buffalo**  
 Hoffeld & Co. .... A  
 Krauss & Co., A. .... B  
 Wolff, Nathan .... A  
**N. Y.—Elmira**  
 Sheely, E. & J. .... B  
**N. Y.—Keeseville**  
 Callanan Bros. .... C  
**New York City**  
 Froivenfeld, J., 76 Gold (Hides; Goat; Calf Skins) .... A  
 Goat & Sheep Skin Import Co., 28 Spruce .... B  
 Harburger & Stack, 55 Frankfort .... A  
 Hecht, Joseph, 6 Jacob (Deer Skins) .... A  
 Kubie & Co., Isaac, 96 Maiden Lane .... B  
 N. Y. Butchers' Calfskin Assn., 407 E. 47th .... C  
 Plum & Gale, Jas. R., 76 Gold .... A  
 Robertson & Sons, L. F., 89 Spruce .... B  
 Stein Co., Abe, 97 Gold (Goat Skins; Hides) .... A  
 Weil & Bros., Alphonse, 70 Gold .... A  
 Wertheim & Son, B., 101 Gold .... A  
**N. Y.—Niagara Falls**  
 Rose, H. V. .... C  
**N. Y.—Palmyra**  
 Knowles, H. P. .... C  
**N. Y.—Rochester**  
 Aikenhead, Wm. .... B  
 Fritsche & Son, F. .... C  
 Hale & Son, Wm. S. .... C  
**N. Y.—Syracuse**  
 Marschall & Son, Jacob. .... B  
**OHIO—Akron**  
 Christy Co., Jas. J. .... A  
**OHIO—Cincinnati**  
 Barth & Co., E. J. .... B  
 Butchers' Hide Assn. .... D  
 Cincinnati Abattoir Co. .... A  
 Marienthal & Son .... C  
 Martin & Riedle .... C  
 Wise & Bros., L. .... B  
**OHIO—Cleveland**  
 Cleveland Provision Co. .... A  
 Hill & Co., H. E. .... C  
 Mittleberger & Son, M. .... C  
**OHIO—Dayton**  
 Rauh & Sons' Co., E. .... B  
**OHIO—Defiance**  
 Miller Co., H. P. .... C  
**OHIO—Kensington**  
 McAllister, J. A. .... C  
**OHIO—Lima**  
 Schulthies Bros. .... B  
**OHIO—Marietta**  
 Strecker Bros. .... A  
**OHIO—Norwalk**  
 Richardson & Co., J. W. .... C  
**OHIO—Toledo**  
 Mack, Julius .... B  
**OHIO—Zanesville**  
 Frank & Sons, L. .... C  
**OREGON—Portland**  
 Bernheim & Co., Theo. .... D  
 Silverfield, Saul .... C  
**OREGON—Salem**  
 Brown & Co., Wm. .... C  
**PA.—Bethlehem**  
 Hill, Alvin .... C  
**PA.—Cannonsburg**  
 Paxton Bros. .... C  
**PA.—Elizabethville**  
 Romberger & Sons, S. B. .... A



**HIDES (Con.)**

PA.—Philadelphia  
Cover, Drayton & Leonard

Janney & Son, E. K. ....AAA  
Lindauer & Strauss, 422 No.  
3d .....C  
Ludy's Sons, C., 1507  
Mascher .....C  
Pierson's Sons, C. C., 426  
No. 3d .....C  
Speler, A. G., 349 No. 3d  
B  
Sternfield & Co., Henry, 402  
No. 3d .....B  
West Phila. Stock Yard Co.  
A

PA.—Troy  
Bowen & Co. ....C  
PA.—West Earl  
Carpenter, S. L. ....B  
PA.—Wilkesbarre  
Lackawanna Fertilizer &  
Chem. Co. ....A

TENN.—Memphis  
Scheibler & Co. ....B  
TENN.—Nashville  
Lefkovits & Co., J. ....B  
TEXAS—Brownsville  
Yturria, F. ....B  
TEXAS—Culro  
Buechel & Co., Otto. ....A  
Bunge & Co., H. ....AA

TEXAS—Fort Worth  
Crowdus Bros. ....C  
TEXAS—Hearne  
Crenan, W. ....B  
TEXAS—Houston  
Finnigan Co., Jno. ....A  
UTAH—Ogden  
Kuhn & Bro., A. ....A

VT.—Hyde Park  
Page, Carroll S. ....A  
VT.—Waterbury  
Warren, Chas. C. ....B  
VA.—Clarksburg  
Buhl, Koblegard Co. ....A  
WASH.—Spokane  
Fisher & Son, Theo. ....C

WASH.—Tacoma  
Sheard, Wm. F. ....B  
WIS.—Edgerton  
Child, H. W. ....B  
WIS.—Fond du Lac  
Rueping Bros. ....A  
WIS.—Merrill  
Thielman, Jul. ....B

WIS.—Milwaukee  
Plankington Packing Co. AA  
Rosenberg & Lieberman. B  
Schram & Co., W. J. ....C  
WIS.—Oshkosh  
Metz & Schloert. ....C  
Roenitz, H. C. ....C

WIS.—Platteville  
Shepherd, Thos. ....C

**HINGES**

See also Hardware; Carriage

CONN.—Ansonia  
Gardner's Sons, J. B.  
(Butt) .....F  
CONN.—Beacon Falls  
Bronson, Homer Co. (Butt)  
C

CONN.—Bridgeport  
Amer. Tube & Stamping Co.  
AAAA  
Bridgeport Brass Co.  
(Double Acting Spring)

AAA  
Knapp & Cowles Mfg. Co.  
("T") .....C  
Smith & Egge Mfg. Co.  
(Door) .....A  
Spring Perch Co. (Con-  
cealed) .....B

CONN.—Bristol  
Root, C. J. (Wrought Brass;  
Butt; Piano) .....B  
Sessions & Son, J. H.  
(Trunk) .....AA  
CONN.—Meriden  
Parker Co., Chas. (Blind;  
Shutter; Gate) .....AAA

CONN.—Middletown  
Wilcox, Crittendon & Co.  
(Awning) .....A  
CONN.—Mount Carmel  
Woodruff & Sons Co., W.

**HINGES (Con.)**

W. (Carriage Door "T")

CONN.—New Britain  
Corbin, P. & F. (Butt;  
Door) .....AAAA  
Stanley Wks. (Ball Bear-  
ing Wrought Steel; Butt;  
Blind; Shutter; Strap;  
"T"; Bed Lounge;  
Wrought Brass; Corru-  
gated; Cigar Box; Door;  
Trunk; Refrigerator Door)

AAA  
Union Mfg. Co. (Door;  
Spring; Gate; String  
Double Acting) .....AA  
CONN.—New Haven  
Cowles & Co., C. (Inc.)  
(Carriage) .....A  
English & Mersick Co.  
(Carriage) .....B

Sargent & Co. (Blind; Shut-  
ter; Gate; Strap;  
"T") .....AAAA  
CONN.—Southington  
Aetna Nut Co. (Door) ....A  
Peck, Stow & Wilcox Co.  
(Butt; Gate; Spring Door;  
Ratchet Spring) .....AAAA

CONN.—So. Norwalk  
Lockwood Mfg. Co. (Butt)  
X  
Norwalk Lock Co. (Butt)  
A

CONN.—Stamford  
Yale & Towne Mfg. Co.  
(Butt) .....AAAA  
CONN.—Terryville  
Eagle Lock Co. (Brass;  
Coffin) .....AAA  
CONN.—Waterbury  
Amer. Ring Co. ....A  
Benedict & Burnham Mfg.  
Co. (Butt; Brass; Piano)  
AAAA

ILL.—Aurora  
Wilcox Mfg. Co. (Double  
Acting Spring Gate) ....B  
ILL.—Chicago  
Acme Flexible Clasp Co.,  
17th & Clark (Strap;  
Wire; "T") .....A  
Chicago Hdw. Co., 132 Lake  
(Butt) .....D

Chicago Spring Butt Co.,  
493 Carroll Av. (Engine  
House; Floor; Screen  
Door; Spring Bank; Office  
Railing; Spring Butt;  
Spring Door) .....B  
Coleman Hdw. Co., 59 Dear-  
born (Spring; Floor) ....A  
Lawson Mfg. Co., 115 Lake  
(Pivot; Double Acting;  
Ball-Bearing; Spring  
Floor) .....E

Niles Mfg. Co., 16. N. Canal  
(Double Acting Spring) B  
Orr & Lockett Hdw. Co.,  
50 State (Spring Bank;  
Office Railing; Butt;  
Door) .....A  
Payson Mfg. Co., 1319 W.  
Jackson Boul. (Spring  
Door) .....D

ILL.—Downers Grove  
Dicke Tool Co. (Gate) ....C  
ILL.—Edwardsville  
Edwardsville Brass Co.  
(Brass Closet Door; Closet  
Seat) .....B

ILL.—Freeport  
Arcade Mfg. Co. (Screen  
Door; Spring) .....A  
Stover Mfg. Co. (Blind;  
Shutter; Butt; Double  
Acting Spring; Screen  
Door; Spring Door; Brass)  
AA

ILL.—Harvard  
Hunt, Helm, Ferris & Co.  
(Spring) .....AA  
ILL.—Joliet  
Joliet Spring Hinge Co.  
(Spring Door) .....G  
ILL.—Joliet  
Barrowe Lock Co. (Butt) A  
ILL.—Sterling  
Lawrence Bros. (Steel  
Strap; "T"; Wrought  
Steel Butt) .....AAA

**HINGES (Con.)**

**IND.—Evansville**  
Carmody, J. D. (Indestructible Green House Sash) B

**IND.—Fort Wayne**  
Knott & Van Arnam Mfg. Co. (Closet Seat).....B

**MD.—Baltimore**  
Maryland Hinge Co. (Strap; "T").....X

**MASS.—Boston**  
Austin & Eddy, 117 Broad (Blind; Shutter).....C

**MASS.—Greenfield**  
Hale & Benjamin (Blind; Shutter).....F

**MASS.—Springfield**  
Whipple & Co., R. P. (Automatic Blind; Shutter).....H

**MASS.—Winchendon**  
New England Lock & Hinge Co. (Brass Finish; Tin).....A

**MASS.—Worcester**  
Wire Goods Co. (Blind; Shutter; Wire).....A

**MICH.—Detroit**  
Detroit Shipbuilding Co. (Brass Dept.; Butt) AAAAA

Ireland & Matthews Mfg. Co. (Closet Seat).....A

**MO.—St. Louis**  
Baitinger & Berkley Patent Hinge Mfg. Co., 122 N. 7th (Blind; Shutter).....F

Hager & Sons Hinge Mfg. Co., C., 2427 De Kalb (Strap; "T"; Wrought Steel Butt).....AA

Kupferle, John C., 2d & Mound (Self-Closing Gate) AA

Pleuger & Henger Mfg. Co., 11th & Hebert (Blind; Shutter; Gate).....A

United States Box Lock Co., 154 Blair Av. (Wooden Box).....X

**N. J.—Newark**  
Goulds' Son & Co., M. (Trunk).....A

**N. Y.—Albany**  
Fiset, Michl., 253 So. Pearl (Blind; Shutter).....F

**N. Y.—Brooklyn**  
Bommer Bros., 257-271 Clarkson Av. (Double Acting Spring; Spring Butt; Closet Seat; Office Gate; Screen Door; Bank; Office Railing; for Hardwood Doors; for Interior Marble Work; for Iron Metal Railing Makers'; Safe Makers'; Wrought Brass; Bronze Door; Wrought Steel; Self-Closing).....A

**N. Y.—Buffalo**  
Pratt & Letchworth Co. (Tail Board).....AAA

**N. Y.—Medina**  
Swett Iron Wks., A. L. (Automatic Gate).....A

**New York City**  
Bardsley, Joseph, 147 Baxter (Spring Door).....B

Bayer, Gardner Hinge Co., 157 W. 29th (Wrought Steel Butt).....X

Hungerford Brass & Copper Co., U. T., 497 Pearl (Butt).....AA

Ludwig, A., 75 Spring (Box).....B

Plume & Atwood Mfg. Co., 29 Murray (Butt; Closet Seat; Brass).....AAA

Russell & Erwin Mfg. Co., 45 Chambers (Blind; Shutters; Butt; "T"; Spring Door).....AAAA

Scovill Mfg. Co., 423 Broome (Butt; Spring Door; Brass).....AAAA

Tiebout, W. & J., 118 Chambers.....B

**N. Y.—Rochester**  
Enterprise Fdry. Co., 48 Olean (Blind; Shutter).....B

National Casket Co. (Coffin) AAAA

**HINGES (Con.)**

Pullman Mfg. Co. (Flexible Steel).....B

Streeter & Co., N. R. (Blind).....A

**N. Y.—Syracuse**  
Stearns & Co., E. C., 100 Oneida (Spring Double Acting).....AA

**N. Y.—Troy**  
Palmer Hdw. Mfg. Co. (Blind Shutter).....D

**N. Y.—Watertown**  
Wise, J. B. (Sewing Machine; Closet; Organ).....AA

**OHIO—Canton**  
Kohler & Co., F. E. (Strap; "T"; Spring).....B

**OHIO—Cleveland**  
Cleveland Lock Co., Wason, cor. Hamilton (Screen Door; "T"; Strap).....D

Columbian Hdw. Co., Coe & Hamilton (Spring Butt; Door; Closet Seat; Office Railing; Screen Door; Spring for Hardwood Doors; Spring for Interior Marble Work; for Iron; Metal Railing Makers'; Spring Safe Makers'; Spring Wrought Brass; Bronze Door; Spring Wrought Steel).....AA

Hoffman Hinge & Fdy. Co., Hubbard, Porter & Burlington Sts. (Screen Door; Spring Butt).....B

Taylor & Boggis Fdry. Co., 521 Seneca.....AA

Van Wagoner Co., 27 Perkins Pl. (Ball-Bearing Wrought Steel Spring Butt; Double Acting Spring; Screen Door; Spring Door; Brass; Bronze; Ratchet Spring) X

**OHIO—Columbus**  
Ohio Pump & Brass Co. (Brass Closet).....C

**OHIO—Dayton**  
Dayton Malleable Iron Co. (Factory Door).....AAA

Dayton Mfg. Co. (Door).....A

**OHIO—Shelby**  
Shelby Spring Hinge Co. (Double Acting Spring Floor).....B

**OHIO—Springfield**  
Springfield Brass Co. (Brass; Nickel Closet Seat; Wire).....E

**OHIO—Toledo**  
Church, Isaac (Expansion Awning).....F

**PA.—Allegheny**  
McKinney Mfg. Co., Locust & Market (Wrought Steel Butt; Strap; "T").....AAA

**PA.—Allentown**  
Grammes & Sons, L. F. (Cigar Box).....A

**PA.—Erie**  
Griffin Mfg. Co. (End Gate; Strap; "T"; Wrought Steel Butt).....A

**PA.—Philadelphia**  
Conroy, P. J. (Brass; Refrigerator Door).....X

Devlin Mfg. Co., Thos., 8d & Lehigh Av. ....AA

Hoag & Co., R. C., 11th & Catharine (Circular Door; Window).....X

Schoenhut Co., A., 2215 Adams (Cigar Box).....A

Shannon & Sons, J. B., 1020 Market.....A

**PA.—Pittsburg**  
Lanz & Sons, M., 101 So. 29th (Gate; Screw Hook) AA

Oliver Iron & Steel Co. (Screw Hook; Eye).....AAAA

Stiner & Voegtly, 310 Wood (Elevating Casement Window).....A

**PA.—Reading**  
Penn. Hdw. Co. (Blind; Shutter; Bronze Cast Butt; Gate; Refrigerator) AA

## **HINGES (Con.)**

Reading Hdw. Co. (Blind;  
Shutter; Wrought Steel  
Butt; Closet Seat; Gate;  
Spring Door; Wire).AAAA  
PA.—Sharon Hill  
Pickering, R. S. (Closet  
Seat; Wire) .....E  
PA.—Titusville  
Schatt & Morgan Cutlery  
Co. (Screen Door) .....B  
PA.—Wrightsville  
Susquehanna Casting Co.  
(Blind; Shutter; Gate) .....AA  
Wrightsville Hdw. Co.  
(Shutter! Blind; Gate;  
Reversible; Self-Closing) .....B

## **R. I.—Providence**

New England Butt Co.  
(Door; Self-Closing Gate) .....AA

## **VT.—Montpellier**

Sabin Machine Co. (Spring;  
Spring Double Acting)...E

## **WIS.—Racine**

Racine General Mfg. Co.  
(Gate) .....E

## **HIVES**

### **CAL.—Petaluma**

Petaluma Incubator Co.  
(Bee) .....B

### **ILL.—Hamilton**

Dadant & Son, Chas. (Bee) .....B

### **IOWA—Red Oak**

Kretschmer Mfg. Co. (Bee) .....C

### **MINN.—Minneapolis**

Minnesota Beekeepers' Sup-  
ply Mfg. Co. (Bee)...G

### **N. Y.—Jamestown...**

Falconer Mfg. Co., W. T.  
(Bee) .....A

### **OHIO—Berlin Heights**

Berlin Fruit Box Co. (Bee) .....D

### **OHIO—Medina**

Root Co., A. I. (Bee)...AA

### **VT.—Bristol**

Drake, Smith & Co. (Bee) .....B

## **HOBBS**

### **MASS.—Athol**

Gay & Ward (Worm)...A  
Starrett Co., L. S. (Worm) .....A

### **MASS.—Fitchburg**

Putnam Machine Co. (Bolt  
Cutter) .....A

### **MASS.—Greenfield**

Wells Bros. Co. (Bolt Cut-  
ter) .....A

### **MASS.—Mansfield**

Card Mfg. Co., S. W. (Bolt  
Cutter) .....B

### **MINN.—St Paul**

Helwig Mfg. Co. (Bolt Cut-  
ter) .....D

### **New York City**

Niles-Bement-Pond Co.  
(Worm) .....AAAA

### **R. I.—Providence**

Brown & Sharpe Mfg. Co.  
(Worm) .....AAAA

## **HODS**

### **CONN.—Meriden**

Bradley & Hubbard Mfg.  
Co. (Brass; Coal) AAAA

### **ILL.—Quincy**

Quincy Stamping Co. (Coal) .....C

### **MICH.—Detroit**

Anderson & Sons, W. H.  
(Mortar; Brick Beet;  
Grub) .....C

Buhl Stamping Co. (Coal).A

### **MICH.—Lansing**

Lansing Wheelbarrow Co.  
(Mortar; Brick; Coal) .....AA

### **N. Y.—Buffalo**

Aldrich Mfg. Co. (Brass;  
Coal) .....A

Heins & Munschauer  
(Brass; Coal) .....A

## **HODS (Con.)**

Jewett Mfg. Co., John C.  
(Brass; Coal) .....AA  
Shepard & Co., Sidney  
(Brass; Iron; Coal) .....AAAA

### **New York City**

Jackson Co., Wm. H. (Iron;  
Coal) .....A

Judd & Co., H. L. (Brass;  
Coal) .....AA

Troy Stamping Wks. (Iron;  
Coal) .....AAAA

### **OHIO—Cincinnati**

Knecht Co., Victor (Iron)  
Corrugated Steel; Coal)...B

### **OHIO—Cleveland**

Cleveland Wire Spring Co.  
(Steel; Mortar; Brick).A

Duplex Hanger Co. (Mortar) .....D

### **OHIO—Salem**

Clark Co., W. J. (Coal) A

### **OHIO—Warren**

Warren Sheet Metal Co.  
(Coal) .....B

### **PA.—Philadelphia**

Pfeiffer & Co., John (Ltd)  
222 Race (Iron; Coal) A

Storz & Son, John, 210 Vine  
(Mortar; Brick)...E

### **PA.—Pittsburg**

Pittsburg Brass Mfg. Co.  
(Brass; Coal) .....D

## **HOES**

See also Agr. Imps.

### **CONN.—Bridgeport**

Bridgeport Hdw. Mfg. Co.  
(Hand; Scuffle).....C

### **CONN.—Collinsville**

Collins Co. (Hand; Corn;  
Double Edge; Eye Mat-  
tock; Nurserymans';  
Planters') .....AAAA

### **CONN.—Higganum**

Scovill, D. & H. (Iron;  
Hand; Cotton; Eye;  
Field; Garden; Tobacco;  
Planters') .....A

### **CONN.—Southport**

Jelliff & Co., C. O. (Hand;  
Wheel) .....D

### **CONN.—Westport..**

Bradley's Sons, G. W.  
(Cranberry) .....D

### **ILL.—Bradley**

Bradley Mfg. Co., David  
(Horse) .....AAAA

### **ILL.—Moline**

Moline Plow Co. (Wheel) .....AAAA

### **ILL.—Monmouth**

Milne Mfg. Co. (Iron; Grub) .....C

### **IND.—Terre Haute**

Terre Haute Shovel & Tool  
Co. (Iron; Hand; Corn;  
Double Edge; Eye; Mor-  
tar; Nurserymens')...A

### **IOWA—Fort Madison**

Am. Hoe & Fork Co. (Iron;  
Hand; Field; Garden;  
Mattock; Planters';  
Scuffle; Mortar) ..AAAA

### **IOWA—Lone Tree**

Monarch Grubber Mfg. Co.  
(Iron; Grub).....B

### **MAINE—Hallowell**

North Wayne Tool Co.  
(C. C. Brooke Prop.)...A

### **MAINE—North Berwick**

Hussey Plow Co. (Wheel) .....E

### **MASS.—Boston**

Ames Plow Co. (Horse;  
Wheel) .....AAAA

### **MASS.—Chicopee Falls**

Belcher & Taylor Agricul-  
tural Tool Co. (Horse;  
Hand; Ridders; Potato  
Coverers') .....A

### **MASS.—Northampton**

Maynard, C. A. (Hand) X

### **MICH.—Jackson**

Am. Hoe & Fork Co. (Iron;  
Hand; Corn; Cotton;  
Field; Garden; Grub;  
Meadow; Planters'; Riv-  
eted; Scuffle; Socket;  
Shank; Tobacco; Weed-

**HOES (Con.)**

ing) .....AAAA

**MICH.—Lansing**  
Bement's Son, E. (Horse) X**MICH.—Pontiac**  
Bacon Mfg. Co. (Wheel) X  
N. H.—Concord  
Ford & Co., Wm. P. (Horse) B**N. J.—Grenloch**  
Bateman Mfg. Co. (Horse;  
Wheel; Hand; Ridgers) A**N. Y.—Frankfort**  
Continental Tool Co. (Field;  
Garden; Mortar; Mixing;  
Planter; Cotton; Chopper;  
Sugar-Cane; Shuffle)...A**N. Y.—Greenwich**  
Eddy Plow Co., W. (Horse;  
Potato Coverers').....B**New York City**  
Amer. Axe & Tool Co., 253  
B'way (Hand; Grub;  
Planters') .....AAAA**N. Y.—Rome**  
Adams & Son, S. (Horse) C**N. Y.—Troy**  
Lane & Gale (Iron; Hand;  
Eye) .....A  
Planters' Hoe Co. (Hand;  
Eye) .....B**OHIO—Canton**  
Kohler & Co., F. E. (Mor-  
tar; Weeding) .....B**OHIO—Cleveland**  
Amer. Fork & Hoe Co.  
(Iron; Hand).....AAAA**Columbian Hdw. Co., Coe**  
& Hamilton .....AA  
Gerlach & Co., Peter, 28  
Columbus .....A**OHIO—Columbus**  
Am. Hoe & Fork Co. (Iron;  
Hand; Cotton; Field;  
Garden; Grub; Meadow;  
Planters'; Socket; Shank;  
Tobacco; Weeding; Mor-  
tar) .....AAAA**United State Hoe & Tool**  
Co. (Hand; Garden, etc) A**OHIO—Findley**  
Findley Axe & Tool Co.  
(Grub) .....A**OHIO—Sandusky**  
Sandusky Tool Co. (Hand;  
Grub; Planters'; Tobacco) A**PA.—Ogontz**  
Hammond & Son, O. (Iron;  
Grub) .....A**PA.—Philadelphia**  
Allen & Co., S. L., 1107  
Market (Horse; Cultiva-  
tors'; Wheel; Combina-  
tion Wheel) .....AA**Myers & Ervien Co. (Iron;**  
Hand) .....B  
Plumb, Fayette R. (Iron;  
Grub) .....AA**PA.—Pittsburg**  
Iron City Tool Wks., 32d &  
Smallman (Palmetto  
Grub) .....A**Klein, Logan Co., So. 13th**  
(Palmetto Grub) .....A**PA.—Reading**  
Chantrell Tool Co. (Garden) B**PA.—York...**  
Farquhar Co., A. B. (Horse) AAA**TENN.—Harriman**  
Harriman Hoe & Tool Co.  
(Iron; Hand) .....A**VT.—Bellows Falls**  
Derby & Ball (Hand; Field;  
Garden; Planters') .....B**VT.—Brookfield**  
Peck, Clark & Co. (Iron;  
Hand) .....B**VT.—Hartford**  
French, Watson & Co.  
(Iron; Hand) .....C**VT.—St. Johnsbury**  
Ely Hoe & Fork Co. (Iron;  
Hand; Socket; Shank) B**VT.—Wallingford**  
Batcheller & Sons Co.  
(Iron; Hand) .....A**HOES (Con.)****WIS.—Fort Atkinson**  
Hager, E. (Iron; Hand)...D**HOGSKINS**

See Leather

**HOISTS****CAL.—San Francisco**  
Risdon Iron & Locomotive  
Wks., cor. Stewart &  
Falsom (Steam) .....AAAA  
Rix Compressed Air & Drill  
Co., 398 Mission (Pneu-  
matic Mine) .....D  
Union Iron Wks., 222 Mar-  
ket (Steam; Dock; Deck) X**COLO.—Colorado Springs**  
Hassell Iron Wks. Co.  
(Hand) .....B**COLO.—Denver**  
Davis Iron Wks. Co., F. M.  
Sth & Larimer (Hand;  
Mining) .....AA  
Denver Engineering Wks.  
Co., Blake & 30th (Elec-  
tric; Mining) .....A  
Hendrie & Bolthoff Mfg. &  
Supply Co., 1625 17th  
(Steam) .....AA  
Mine & Smelter Supply Co.  
(Electric; Hand Mining) AAAA**Stearns-Rogers Mfg. Co.**  
(Electric) .....A**CONN.—Derby**  
Shelton Co. (Sail) .....A**CONN.—Stamford**  
Yale & Towne Mfg. Co.  
(Hand; Outrigger; Safety  
Double Lifts) .....AAAA**ILL.—Chicago**  
Allis-Chalmers Co., Home  
Ins. Bldg. (Steam; Drum;  
Reel) .....AAAA**Chicago Pneumatic Tool Co.**  
Fisher Bldg. (Pneumatic  
Chain; Cylindrical Air;  
Pneumatic; Geared; Trol-  
ley Combined) .....AAAA**Fairbanks, Morse & Co.,**  
Franklin & Monroe (Gaso-  
line; Steam Geared) AAAA**Goodman Mfg. Co., S. Hal-**  
sted & 48th Pl. (Electric  
Mining) .....AA**Jeffrey Mfg. Co. (Beer Bar-**  
rel) .....X  
Kaestner & Co. (Beer Bar-  
rel) .....A**Railway Appliances Co., Old**  
Colony Bldg. (Pneumatic) A**Shaw, Willis, N. Y. Life**  
Bldg. (Hand; Steam) ..E**Webster Mfg. Co. (Hog) AA**  
Wolf Co., Fred. W. (Pneu-  
matic) .....AAA**ILL.—Harvey**  
Whiting Fdry. Equipment  
Co. (Pneumatic) .....AA**ILL.—Litchfield**  
Litchfield Fdry. & Mach. Co.  
(Electric) .....A**ILL.—Sterling**  
Charter Gas Engine Co.  
(Gas; Gasoline) .....A**IND.—Brazil**  
Crawford & McCrimmon Co.  
(Horse Power Mining).A**IND.—Mishawaka**  
Dodge Mfg. Co. (Pneumatic) AAA**IND.—New Albany**  
New Albany Mfg. Co.  
(Steam) .....C**IA.—Ottumwa**  
Ottumwa Iron Wks. (Quar-  
ry; Steam) .....B**KANS.—Fort Scott**  
Ft. Scott Fdry. & Machine  
Co. (Horse Power) ....H**ME.—Portland**  
Maine Electric Co. (Electric) E**MASS.—Boston**  
Boston & Lockport Block Co.  
160 Commercial (Chain;  
Hand) .....A  
Hersey Mfg. Co. (Friction;  
Kope) .....AA

**HOISTS (Con.)**  
Steel Cable Engineering Co.,  
92 State (Steam Shovel) B

**MASS.—Cambridge**  
Rawson & Morrison Mfg. Co.  
(Gearless Electric; Steam) A

**MASS.—Orange**  
Chase Turbine Mfg. Co.  
(Gate) .....A

**MASS.—Springfield**  
Elektron Mfg. Co (Electric)  
A

**MICH.—Bay City**  
Marine Iron Co. (Steam).C

**MICH.—Detroit**  
Byram & Co., (Elevator;  
Furnace) .....D

Northern Engineering Wrks.  
(Electric; Gasoline; Pneumatic; Trolley) .....A

**MICH.—Hancock**  
Portage Lake Fdry. & Machinery Co. (Steam).....D

**MICH.—Port Huron**  
Jenks Shipbuilding Co.  
(Dock; Deck) .....A

**MICH.—Saginaw**  
Bartlett & Co., A. F.  
(Dock; Deck) .....A

Jackson & Church Co.  
(Dock; Deck; Steam).....A

Wickes Bros. (Pneumatic) AAA

**MINN.—St. Paul**  
Amer. Hoist & Derrick Co.  
(Electric; Hand; Belt; Steam) .....A

**MO.—Joplin**  
Freeman, J. W. (Steam)...A

**MO.—Kansas City**  
Weber Gas & Gasoline Engine Co. (Gasoline; Portable) .....A

Witte Iron Wrks. Co. (Gasoline) .....B

**MO.—St. Louis**  
Brecht-Butcher Supply Co.,  
G. V., 1201 Cass Av.  
(Friction) .....AAA

Curtis & Co. Mfg. Co., 2201 Wash'n Av. (Pneumatic) A

Standard Railway Equipment Co., Union Trust Bldg. (Pneumatic) ....G

**N. J.—Dover**  
Morris County Machine & Iron Co. ....B

**N. J.—Newark**  
Lambert Hoisting Engine Co., 115-121 Pioneer (Electric Mining; Hand; Steam) .....A

Mundy, J. L., 22 Prospect (Hand; Steam) .....A

Storm Mfg. Co. (Ash; Sidewalk) .....B

**N. Y.—Albany**  
Dedrick's Sons, P. K.  
(Hand; Horse; Horse Power) .....A

**N. Y.—Buffalo**  
Contractors' Plant Mfg. Co.,  
129 Erie (Chain; Dock; Deck; Hand; Steam; French; Quarry; Horse Power Mining) .....B

Howard Iron Wrks. (Sidewalk) .....A

**N. Y.—Long Island City**  
Steubner Iron Wrks., Geo L.  
(Chain) .....B

**N. Y.—Montour Falls**  
General Pneumatic Tool Co.  
(Pneumatic) .....B

**New York City**  
Amer. Air Compressor Wrks.  
26 Courtlandt (Pneumatic) F

Arthur Co., 188 Front (Grip, for Hand Elevator) ....A

Eckstein, Chas G., 249 Center (Chain) .....D

Hunt Co., O. W., 45 B'way.  
(Electric; Steam) .....AA

Lidgerwood Mfg. Co., 96 Liberty. (Dock; Deck; Electric; Steam; Mine) AAA

McCoy Co., Jos. F., 157 Chambers (Chain) .....B

Nason Mfg. Co., 71 Beekman (Pneumatic) .....B

**HOISTS (Con.)**  
N. J. Fdry. & Machine Co.,  
9 Murray (Trolley; Hand; Portable; Sidewalk) ....D

Niles-Bement-Pond Co., 186 Liberty (Chain; Pneumatic; Hand; Trolley).AAAA

Rand Drill Co., 128 B'way (Pneumatic) .....AAAA

Sprague Electric Co., 529 W. 34th (Electric Traveling; Trolley) .....AAAA

Watson Stillman Co. (Portable) .....A

**N. Y.—Niagara Falls**  
Dobbie Fdry. & Mach. Co.  
(Chain; Dock; Deck; Electric; Hand Power; Steam; Trolley; Friction Drum Belt) .....D

**N. Y.—Orangeburg**  
Empire Engine & Motor Co.  
(Pneumatic Motor; Chain) B

**N. Y.—Poughkeepsie**  
Lane Bros. Co. (Chain)...A

Sedgwick Machine Wrks. (Hand) .....D

**N. Y.—Schenectady**  
General Electric Co. (Electric Mining) .....AAAA

**N. Y.—Warsaw**  
Warsaw Elevator Co. (Hand; Sidewalk) .....B

**N. C.—Charlotte**  
Mecklenburg Iron Wrks.  
(Chain) .....X

**OHIO—Akron**  
Webster, Camp & Lane Mach. Co. (Elec. Mining; Steam) .....AAAA

**OHIO—Canton**  
Ney Mfg. Co. (Rope Chain; Hand) .....B

**OHIO—Cincinnati**  
Warner Elevator Mfg. Co.  
(Carriage; Sidewalk) .AA

**OHIO—Cleveland**  
Brown Hoisting M'c'h'r'y Co., 1845 St. Clair (Electric; Portable; Trolley) AAAA

Chase Machine Co., 111 Elm (Dock; Deck; Steam) ..B

Chrisholm & Moore Mfg. Co., cor. Lake & Kirkland (Chain; Hand with Lock Brake; Pneumatic; Trolley; Electric; Portable; Screw; Combined Geared; Plain Yoke) .....AA

Cleveland Punch & Shear Wrks. (Electric) .....A

Dunn, Jas. P., 207 Dunham Av. (Chain; Portable) ..H

Garry Iron & Steel Co. (Hydraulic; Pneumatic; Trolley) .....A

Lord, Bowler & Co., 41 Center (Hand; Steam) ....C

McMyler, John, 182 Columbus Av. (Electric) ....AA

Round & Son, D., 2287 B'way (Chain) .....A

Wellman-Seaver-Morgan Co. (Trolley) .....AAAA

**OHIO—Columbus**  
Case Mfg. Co. (Hand Power; Pneumatic; Trolley) ...A

Jeffrey Mfg. Co. (Beer Barrel) .....A

**OHIO—Mansfield**  
Phoenix Electric Mfg. Co.  
(Electric Mining) .....B

**OHIO—Ravenna**  
Byers Machine Co., Jno. F.  
(Steam) .....B

**PA.—Allegheny**  
Carlin's Sons Co., Thos.  
(Hand; Steam; Ammunition; Portable) .....A

**PA.—Bangor**  
Flory Mfg. Co., S. (Electric; Hand; Steam) ....A

**PA.—Coatesville**  
Ridgeway Craig & Son Co.  
(Pneumatic; Portable) .A

**PA.—Franklin**  
Franklin Portable Crane & Hoist Co. (Hand; Portable) .....B

**PA.—Philadelphia**  
Box & Co., 813 N. Front  
(Chain; Electric; Steam; Hand; Screw; Pulley; Por-

**HOISTS (Con.)**

table) .....B  
 Dallett Co., Thos. (Electric) B  
 Energy Elevator Co. (Side-  
 walk) .....D  
 Harrington Son & Co., Ed-  
 win, (Inc.) 15th & Penn.  
 Av. (Chain; Hand; Port-  
 able; Screw; Pulley; Elec-  
 tric) .....AA  
 Maris Bros., 56th, cor.  
 Gray's Av. (Dock; Deck)  
 D  
 Olsen, Tinius & Co., 500 N.  
 12th (Chain; Portable;  
 Hand) .....A  
 Pedrick & Ayer Co., 1001  
 Hamilton (Pneumatic;  
 Portable) .....A  
 Pennsylvania Iron Wrks.  
 Co., 50th & Lancaster Av.  
 (Hydraulic) .....AAA  
 Philadelphia Pneumatic  
 Tool Co., 21st & Allegheny  
 Av. (Pneumatic) .....B  
 Sellers & Co., Wm., (Inc.)  
 1600 Hamilton (Hydraul-  
 ic; Riveters) .....AAAA  
 Stokes & Parrish Elevator  
 Co. (Furnace; Mining) ..A  
 Stow Flexible Shaft Co.  
 (Pneumatic; Portable) ..B  
 Williamson Bros. Co., Cum-  
 berland & Aramingo  
 (Dock; Deck; Steam) ..AA  
**PA.—Pittsburg**  
 Carron & Co., A. M. (Pneu-  
 matic) .....D  
 Jones & Laughlin Steel Co.  
 (Worm) .....AAAA  
**PA.—Reading**  
 Reading Crane & Hoist Wks.  
 (Chain) .....A  
 Speidel, J. G., cor. Button-  
 wood & Gordon (Chain;  
 Hand Power; Trolley; Por-  
 table; Sidewalk) .....B  
**PA.—So. Bethlehem**  
 Bethlehem Fdry. & Mach  
 Co. (Hand; Sidewalk) ..C  
**PA.—Wilkesbarre**  
 Vulcan Iron Wrks. (Fric-  
 tion; Mining; Horse Pow-  
 er Mining) .....AAAA  
**R. I.—Providence**  
 Mason & Co., Volney W.  
 (Hand) .....D  
**VT.—Barre**  
 Whitcomb Bros. (Steam for  
 Granite Quarries) ....X  
**W. VA.—Fairmont**  
 Wagner-Palmros Mfg. Co.  
 (Chain) .....A  
**WIS.—Oudahy**  
 Power & Mining Machry. Co.  
 (Gasoline) .....AAA  
**WIS.—Milwaukee**  
 Pawling & Harnischfeger  
 (Chain; Electric; Hand;  
 Beer Barrel) .....AAA

**HOLDBACKS**

See also Hardware; Carriage

**N. J.—Newark**  
 Searls Mfg. Co. (Vehicle;  
 Pole; Shaft) .....B  
**N. Y.—Buffalo**  
 Pratt & Letchworth Co.  
 (Vehicle; Pole; Shaft)  
 AAA  
**New York City**  
 Metal Stamping Co. (Vehi-  
 cle; Pole; Shaft) .....A  
**OHIO—Cleveland**  
 Cleveland Hdw. Co. (Vehi-  
 cle; Pole; Shaft) .....AA

**HOLDERS**

**CONN.—Bridgeport**  
 Armstrong Mfg. Co. (Pipe  
 Nipple) .....A  
 Bryant Electric Co. (Elec-  
 tric Shade) .....A  
 Curtis & Curtis Co. (Pipe  
 Nipple) .....AA  
 Knapp & Cowles Mfg. Co.  
 (Broom) .....C  
 Smith & Egge Mfg. Co.  
 (Key) .....A  
 Wheel & Wood Bending Co.

**HOLDERS (Con.)**

(Rein) .....B  
**CONN.—Derby**  
 O. K. Tool Holder Co.  
 (Machine Tool) .....F  
**CONN.—East River**  
 Munger & Son (Crayon &  
 Pencil) .....O  
**CONN.—Hartford**  
 Billings & Spencer Co.  
 (Tool; Chucking Reamer;  
 Reamer) .....AA  
 Hartford Mach. Screw Co.  
 (Die; Tool) .....AAAA  
 Ideal Machine Co. (Tap) ..X  
 Pratt & Whitney Co. (Die;  
 Tool; Bit; Brace; Drill;  
 Tap; Reamer) .....AAAA  
 Quint, A. D. (Tool; Drill;  
 Tap) .....B  
**CONN.—Meriden**  
 Bradley & Hubbard Mfg. Co.  
 (Roll Paper) .....AAAA  
 Manning, Bowman & Co.  
 AA  
 Meriden Britannia Co.  
 (Cracker; Chase) ..AAAA  
 Meriden Curtain Fixture Co.  
 (Cord) .....B  
**CONN.—New Britain**  
 Brady, T. H. (Electric  
 Lamp) .....B  
 Corbin, P. & F. (Mop)  
 AAAA  
 Landers, Frary & Clark  
 (Currency) .....AAA  
 Stanley Wrks. (Card; Stake;  
 Wagon) .....AAA  
 Taplin Mfg. Co. (Match;  
 Match Box) .....D  
**CONN.—New Haven**  
 English & Mersick Co.  
 (Rein) .....B  
 Hoggson & Pettis Mfg. Co.  
 (Combination Tool) ....A  
 Scranton & Co. (Copy) ..O  
**CONN.—Seymour**  
 Little River Mfg. Co. (Cuff;  
 Letter; Plate; Cup; San-  
 cer) .....B  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co.  
 (Paper Bag) .....AAAA  
**CONN.—So. Norwalk**  
 Le Count, Wm. G. (Chuck  
 Drill; Drill; Tap) ....D  
**CONN.—Waterbury**  
 Amer. Pin Co. (Brass Pipe  
 Nipple) .....AA  
 Am. Ring Co. (Cuff; Eye  
 Glass; Pen; Pencil; Scarf)  
 A  
 Novelty Mfg. Co. (Label;  
 Towel) .....A  
 Plume & Atwood Mfg. Co.  
 (Shade) .....AAA  
 Steele & Johnson Mfg. Co.  
 (Shade; Globe) .....A  
 Waterbury Mfg. Co. (Shade)  
 AAAA  
**ILL.—Aurora**  
 Wilcox Mfg. Co. (Door  
 Clothes Line) .....B  
**ILL.—Chicago**  
 Armstrong Bros. Tool Co.,  
 617 Austin Av. (Tool;  
 Drill; Tap) .....B  
 Baird Mfg. Co. (Telephone)  
 O  
 Barbee Wire & Iron Wrks.  
 (Broom, Globe; Shade;  
 Iron Bouquet; Wire Fruit;  
 Nut) .....B  
 Central Electric Co., 266 5th  
 Av. (Electric Lamp) ....A  
 Evans Co., R. O., 210 Mad-  
 ison (Dictionary) .....A  
 Hamler Boiler & Tank Co.  
 8906 So. Halsted (Gas) ..B  
 Illinois Malleable Iron Co.,  
 30 W. Monroe (Hose)  
 AAAA  
 Nicol & Co. (Broom; Mop;  
 Flag Pole; Cigar; Paper-  
 Bag) .....D  
 Reed & Crockett, 137 E.  
 Kenzie (Can) .....X  
 Skillen-Richards Mfg. Co.  
 (Bag) .....O  
 Spinks & Co., Wm. A., 98  
 Erie (Billiard Chalk) ..O  
 Swisher Mfg. Co., R. D.,  
 152 5th Av. (Type) ....D  
 Turner Brass Wks., Cor.

HOLDERS (Con.)		HOLDERS (Con.)	
Franklin & Michigan (Carbon) .....	A	MASS.—Lowell	
Warren Mfg. Co., J. D. (Rope & Sample) .....	B	Woods, Sherwood & Co. (Whisk Broom; Wire; Dish Cloth) .....	E
Webster Mfg. Co. (Bag) .....	AA	MASS.—Mansfield	
ILL.—Decatur		Card Mfg. Co., S. W. (Die; Lathe Die) .....	B
Farles Mfg. Co. (Adjustable Electric Lamp) .....	A	MASS.—New Bedford	
ILL.—Freeport		Morse Twist Drill & Mach. Co. (Die) .....	AAA
Arcade Mfg. Co. (Mop) ..	A	MASS.—Salem	
Stover Mfg. Co. (Dictionary) ..	AA	Locke-Regulator Co. (Flag Pole) .....	A
ILL.—Sterling		MASS.—Springfield	
Lawrence Bros. (Sash) .....	AAA	Bemis & Call Hdw. & Tool Co. (Divider Pencil) ..	A
National Mfg. Co. (Door) ..	C	Wagor Mfg. Co., Philo B. (Shade) .....	G
IND.—Anderson		MASS.—Waltham	
Hill Tool Co. (Tool) .....	E	Davis & Farnum Mfg. Co. (Gas) .....	A
IND.—Evansville		MASS.—Winthrop	
Mingst, C. P. (Lathe; Plain-er) .....	F	Winthrop Wire Goods Co. (Paint Brush) .....	X
IND.—Fort Wayne		MASS.—Worcester	
Kerr-Murray Mfg. Co. (Gas) ..	A	Hamblin & Russell Mfg. Co. (Bicycle) .....	B
IND.—Indianapolis		Heald Machine Co. (Tool) ..	B
Amer. Buncher Mfg. Co. (Bag) .....	B	National Mfg. Co. (Dish Cloth; Wire) .....	A
Nordyke & Marmon Co. (Bag) .....	AAA	Parker Wire Goods Co. (Plate; Cup; Saucer) ..	D
IND.—South Bend		Warren Leather Goods Co. (Banner) .....	B
Bowsher Co., N. P. (Bag) ..	B	Wire Goods Co. (Card; Door; Photograph; Plate; Cup; Saucer) .....	A
South Bend Sparker Arrest-er Co. (Bag) .....	C	Worcester Envelope Co. (Ferrottype) .....	B
IOWA—Fairfield		MICH.—Ann Arbor	
Louden Mchry. Co. (Stake; Wagon) .....	C	Gordspeed Mfg. Co. (Skirt; Waist) .....	D
MD.—Baltimore		Amer. Electric Heater Co. (Shade) .....	B
Bartlett, Hayward & Co., Continental Trust Bldg. (Gas) .....	B	Detroit Twist Drill Co. (Drill; Tap) .....	C
Berger & Co., F. (Whisk Broom) .....	A	Laughlin Mfg. Co., 183 Gris-wold (Pen) .....	D
Brinkmann & Co., A. H., 109 Hanover (Asparagus) ..	X	MICH.—Fenton	
MASS.—Attleboro		Phillips Co., A. J. (Door; Bicycle) .....	A
Eden Co., C. H. (Scarf) ..	A	MICH.—Grand Rapids	
MASS.—Boston		Amer. Machinery Co. (Oil Stove) .....	B
Boston & Lockport Block Co. (Bicycle) .....	A	Davenport Co. (Typewriter Copy) .....	F
Chandler & Farquhar (Drill; Tap) .....	B	MINN.—Minneapolis	
Cutter-Tower Co. (Coin; Pencil) .....	B	Howell & Co., E. R. (Bag) ..	B
Davidson Rubber Co. (Pen-cil) .....	A	MO.—St. Louis	
Dennison Mfg. Co. (Coin; Currency) .....	AAAA	Amer. Roll Paper Co. (Roll Paper) .....	B
Frost & Co., Geo. (Cuff; Hose, etc.) .....	A	Kufferle, Jno. C., 2d & Mound (Hose) .....	A
Jones & Co., Melville D. (Iron Bouquet) .....	G	Plunger & Henger Mfg. Co., 1015 Herbert (Hose) ..	A
Lamson Consolidated Store Service Co. (Coin) .....	AAAA	NEBR.—Beatrice	
Mason Regulator Co. (Belt; Shifters) .....	A	Kees, F. B. (Copy) .....	D
New England Novelty Mfg. Co. (Mop; Cuff; Tidy) ..	H	N.H.—Pike	
Sturtevant Co., B. F. (Rein) ..	AAA	Pike Mfg. Co. (Oil Stove) ..	A
Walworth Mfg. Co., 132 Federal (Pipe Nipple) .....	AAAA	N. J.—Camden	
Welch & Co., T. F., 65 Sud-bury (Die) .....	D	Estabrook Steel Pen Mfg. Co. (Pen) .....	AA
Whitcher & Co., Frank W. (Bicycle) .....	A	Hunt Pen Co., C. H. (Pen) ..	A
MASS.—Cambridge		N. J.—Elizabeth	
Place Box Co. (Whisk Broom) .....	X	Braunsdorf-Mueller Co. (Die) .....	D
MASS.—Chicopee		N. J.—Montclair	
Ames Sword Co. (Key) ..	B	Heller & Co., W. C. (Sam-ple) .....	F
MASS.—Chicopee Falls		N. J.—Newark	
Belcher & Taylor Agricul-tural Tool Co. (Bag) ..	A	Bernz, Otto, So. 18th cor. So. Orange Av. (Plum-bers' Candle) .....	B
MASS.—Fitchburg		Durand & Co. (Inc.) (Scarf) ..	AA
Dillon, D. M. (Gas) .....	A	Gould & Eberhard (Tool) ..	A
MASS.—Gardner		Searle Mfg. Co. (Brush; Comb; Match; Soap; Cup; Whisk Broom; Sponge) ..	B
Heywood Bros. & Wakefield Co. (Wood; Rattan) ..	AAAA	Williamson Wire Novelty Co., C. T. (Swab; Rubber Stamp) .....	B
MASS.—Greenfield		N. J.—Vineland	
Goodell-Pratt Co. (Tool) ..	B	Gage Tool Co. (Blotting Pad) .....	A
Reece Co., E. F. (Die; Tool; Bit; Brace) .....	D	N. Y.—Albany	
Wells Bros. Co. (Die; Tool; Chuck Drill; Drill; Tap) ..	A	Tibany Perforated Wrap-ping Paper Co. (Roll Paper) .....	A
Wiley & Russell Mfg. Co. (Die; Nipple; Tire Bolt) ..	AA		
MASS.—Hopedale			
Draper Co. (Bobbin) ..	AAAA		

**HOLDERS (Con.)**

**N. Y.—Brooklyn**  
 Continental Iron Wks.,  
 West, cor. Calyer (Gas) A  
 Remhof, Chas., 381 Kent  
 Av. (Shade) .....E  
 Sweeney Mfg. Co., W. H.  
 (Whisk Broom) .....A  
**N. Y.—Buffalo**  
 Aldrich Mfg. Co. (Brass;  
 Wood) .....A  
 Buffalo Dental Mfg. Co. .  
 (Rubber Dam) .....B  
 Jewett Mfg. Co., J. C.  
 (Pie-Plate; Cracker;  
 Cheese) .....AA  
 Keystone Mfg. Co. (Tool).B  
 Pratt & Letchworth Co.  
 (Brake) .....AAA  
 Western Wire Goods Co.  
 (Toilet Paper) .....D  
**N. Y.—Oobleskill**  
 Hallenbeck, Chas. (Shaft).H  
**N. Y.—Homer**  
 Phoenix Hdw. Mfg. Co.  
 (Christmas Tree) .....D  
**N. Y.—Lindenhurst**  
 Vulcanite Mfg. Co. (Cuff).C  
**New York City**  
 Amer. Belgian Lamp Co.,  
 47 Barclay (Shade; Globe)  
 D  
 Amer. Electrical Specialties  
 Co. (Electric Lamp) .....X  
 Bardsley, Joseph, 147 Bax-  
 ter (Door) .....B  
 Baylis Co., 140 Washington  
 (Brush, for Electrical  
 Mchry) .....D  
 Bogue, Chas. J., 213 Center  
 (Carbon) .....C  
 Bunnell & Co., J. H., 20  
 Park Pl. (Electric Lamp)  
 B  
 Chatillon & Sons, J., 85  
 Cliff (Twine) .....A  
 Cushman & Denison, 240  
 W. 23rd (Ticket) .....C  
 Errington, Franklin A., 89  
 Cortlandt (Tool) .....D  
 Etna Mfg. Co., 253 B'way  
 (Die) .....X  
 Faber, Eberhard, 545 Pearl  
 (Pencil) .....AAA  
 Fee & Mason, 66 Beekman  
 (Pipe Nipple) .....F  
 Fiske Iron Wks., J. W.  
 (Broom; Match) .....B  
 Frank & Gutmann (Cuff).B  
 Gennert, G. (Dry Plate)...B  
 Gleason Mfg. Co., E. P.,  
 181 Mercer (Shade) .....B  
 Gould-Mersereau Co. (Whisk  
 Broom; Brass; Wood)...B  
 Graham & Co., Jno. H., 113  
 Chambers (Hose) .....D  
 Heath & Co., Geo. W., 27  
 Thames (Billiard Chalk;  
 Sealing Wax; Oilgar) ...D  
 Hoe & Co., R. (Plate)....  
 AAAA  
 Holmes, Booth & Haydens  
 Co., 37 Park Pl. (Shade;  
 Globe) .....AAAA  
 International Silver Co., 9  
 Maiden Lane (Champagne  
 Bottle; Spoon; Nickel;  
 Silver Plated) .....AAAA  
 Jackson Co., Wm. H.  
 (Brass; Wood) .....A  
 Johns, H. W.-Manville Co.,  
 100 William (Asbestos  
 Sad Iron) .....AAAA  
 Judd & Co., H. L. (Inc.)  
 (Whisk Broom; Cord).AA  
 Kaufmann Bros. & Bondy  
 129 Grand (Cigar; Cigar-  
 ette) .....AA  
 Ketcham & McDougall (Eye  
 Glass) .....B  
 Keuffel & Esser Co., 127  
 Fulton (Divider Pencil)..  
 AA  
 Koven & Bro., L. O., 50  
 Cliff (Gas) .....A  
 Lalance & Grosjean Mfg.  
 Co. (Cracker; Cheese)...  
 AAAA  
 Loewenstein, M., 71 Wash-  
 ington Sq. S. (Match Box)  
 D  
 McFadden & Co., H. G., 38

**HOLDERS (Con.)**

Warren (Shade) .....B  
 McNab & Harlin Mfg. Co.,  
 56 John (Hose) .....AA  
 Manhattan Brass Co., 338 E.  
 28th (Shade; Globe) ...A  
 Martin, Copeland & Co.  
 (Eye Glass) .....AA  
 Millers Falls Co., 28 War-  
 ren (Extension Bit; Screw  
 Driver) .....AA  
 Mitchell-Vance Co., 836  
 B'way (Shade; Globe).AA  
 Perfection Supply Co., 621  
 B'way (Dynamo Brush).E  
 Railway Steel Spring Co., 71  
 B'way (Brush) .....A  
 Raven Gloss Mfg. Co., 81  
 White (Shoe Polish) ...D  
 Richards & Co., E. Ira  
 (Cuff; Eye Glass; Scarf)  
 AAA  
 Russell & Erwin Mfg. Co.,  
 43 Chambers (Door) .....  
 AAAA  
 Sargent Co., Geo. F. (Dic-  
 tionary; Card; Door;  
 Stake; Twine; Tool)....X  
 Sloan & Co. (Inc.) (Eye  
 Glass; Scarf) .....B  
 Spencer Optical Co. (Opera  
 Glass) .....C  
 Stoutenborough, X. (Whisk  
 Broom; Cracker; Cheese)  
 D  
 Turl's Sons, John, 534 W.  
 28th (Gas) .....D  
**N. Y.—Rochester**  
 Caldwell Mfg. Co. (Door).C  
 Eastman Kodak Co. (Dry  
 Plate; Roll) .....AAAA  
 Pullman Mfg. Co. (Door).B  
 Streater & Co., N. R.  
 (Twine) .....A  
**N. Y.—Rome**  
 Rome Mfg. Co. (Nickel;  
 Silver Plated Spoon)....B  
**N. Y.—Schenectady**  
 General Electric Co. (Brush;  
 Carbon) .....AAAA  
**N. Y.—Seneca Falls**  
 Westcott-Jewell Co. (Bicy-  
 cle; Towel) .....D  
**N. Y.—Syracuse**  
 Central City Brass & Mfg.  
 Co., 120 Burnet Av. (Car-  
 bon) .....B  
 Pass & Seymour (Carbon;  
 Shade) .....A  
 Stearns & Co., E. C. (Book;  
 Dictionary) .....AA  
 Wells Mfg. Co., A. J.  
 (Partition) .....X  
**N. Y.—Troy**  
 Parks & Parks (Mop) ....D  
**N. Y.—Unadilla**  
 Tie Co. (Pillow Sham) ...D  
**OHIO—Canton**  
 Buckeye Mfg. Co. (Blanket)  
 D  
 Kohler & Co., F. E. (Hose)  
 C  
**OHIO—Cincinnati**  
 Amer. Tool Wks. Co., 6th &  
 Eggleston Av. (Die) ...AA  
 Bishop & Co., G. H. (Cabi-  
 net Scraper) .....A  
 Stacey Mfg. Co., 289 Mill  
 (Gas) .....AA  
 Tatum Co., Samuel C.  
 (Broom; Bag; Twine)...B  
**OHIO—Cleveland**  
 Bardons & Oliver (Die;  
 Tool) .....B  
 Cleveland Twist Drill Co.  
 (Tool; Drill; Tap) .....A  
 Eberhard Mfg. Co. (Rein)  
 AA  
 Fanner Mfg. Co. (Toilet  
 Paper) .....A  
 Federal Mfg. Co., Amer-  
 Trust Bldg. (Toilet  
 Paper) .....AAAA  
**OHIO—Columbus**  
 Kilbourne & Jacobs Mfg. Co.  
 (Bag) .....AAAA  
 Simpson Iron Co., West End  
 Ruttles Av. (Flag Pole).F  
**OHIO—Cuyahoga Falls**  
 Holloway Reading Stand Co.  
 (Dictionary) .....E  
**OHIO—Dayton**  
 Patterson Tool & Supply Co.



**HOLDERS (Con.)**  
 (Boring Tool; Tool) ....A  
**OHIO—Hamilton**  
 Meyers Mfg. Co., F. J.  
 (Sample) .....B  
**OHIO—Mansfield**  
 Ohio Brass Co. (Adjustable Track; Brush; Carbon) AA  
**OHIO—Medina**  
 Root Co., A. I. (Cuff; Hose, etc.) .....AA  
**OHIO—Piqua**  
 Champion Paper Cutter Co. (Roll Wrapping Paper).F  
**OHIO—Ravenna**  
 Williams, A. C. (Broom) A  
**OHIO—Salem**  
 Clark Co., W. J. (Mop)...A  
**OHIO—Springfield**  
 Western Mfg. Co. (Tool)...D  
**OHIO—Toledo**  
 Merrell Mfg. Co. (Pipe Nipple) .....B  
**OHIO—Troy**  
 Ohio Electric Specialty Mfg. Co. (Electric Lamp) ....G  
**OHIO—Wellington**  
 Phelps Bros. & Co. (Belt)...F  
**PA.—Allentown**  
 Grammes & Sons, L. F. (Label) .....A  
 Hellman Boiler Wks. (Gas) AA  
**PA.—Corry**  
 Raymond Mfg. Co. (Ltd.) (Broom) .....B  
**PA.—Erie**  
 Erie Specialty Co. (Toilet Paper) .....B  
 Modern Tool Co. (Die; Tap) .....E  
**PA.—Hasleton**  
 Koenig, M. T. (Broom) ..X  
**PA.—Philadelphia**  
 Darby & Sons, Edward (Card) .....A  
 Delly & Fowler, 39 Laurel (Gas) .....A  
 Enterprise Mfg. Co., 3rd & Dauphin (Flag Pole)...AAAA  
 Gillinder & Son (Match)...A  
 North Bros. Mfg. Co., Lehigh Av. & Amer. (Christmas Tree) .....AA  
 Phila. Electrical & Mfg. Co., 2011 Market (Carbon)...E  
 Phila. Novelty Mfg. Co. (Postage Stamp) .....D  
 Warner, Frank D., 927 Arch (Price Card) ....X  
 White Dental Mfg. Co., S. S. (Rubber Dam)...AAAA  
 Wood & Co., R. D., 400 Chestnut (Gas) ....AAAA  
**PA.—Pittsburg**  
 Pittsburg Brass Mfg. Co. (Globe; Shade; Brass; Wood) .....D  
 Ritter-Conley Mfg. Co. (Gas) AAA  
 Standard Scale & Supply Co. (Ltd.) (Bag) .....X  
 Supply Mfg. Co., 32nd & Smallman (Brush) ....X  
**PA.—Reading**  
 Pennsylvania Hdw. Co. (Christmas Tree, .....AA  
 Reading Hdw. Co. (Door) AAAA  
 Reading Mach. & Tool Co. (Tool) .....B  
**PA.—Washington**  
 Petroleum Iron Wks. Co. (Gas) .....A  
**PA.—Wrightsville**  
 Wrightsville Hdw. Co. (Blacking Box) .....B  
**E. I.—Pawtucket**  
 Carpenter Tap & Die Co., J. M. (Die) .....C  
**E. I.—Providence**  
 Amer. Ship Windlass Co. (Capstan Sheet) .....AA  
 Ballou & Co., B. A., 61 Peck (Scarf; Eye Glass) AA  
 Barstow & Williams (Scarf) .....C  
 Beaman & Smith Co. (Safety Drill; Tap) .....A

**HOLDERS (Con.)**  
 Brown & Sharpe Mfg. Co. (Die for Screw Mach.)...AAAA  
 Cory & Reynolds (Scarf)...C  
 Lind Co., Thos. W. (Cuff) .....D  
 Nicholson File Co. (File)...AAAA  
 Providence Stock Co. (Scarf) .....D  
 Waite, Mathewson & Co. (Eye Glass) .....B  
**E. I.—Woonsocket**  
 Roney & Rae Co. (Bobbin) F  
**VT.—Derby Line**  
 Butterfield & Co. (Die; Bit; Brace) .....A  
**VT.—Montpelier**  
 U. S. Clothes Pin Co. (Test Tube) .....D  
**VT.—St. Albans**  
 St. Albans Fdry. & Implement Co. (Bag) .....D  
**W. VA.—Wheeling**  
 Wheeling Mold & Fdry. Co. (Work) .....A  
**WIS.—Racine**  
 Racine Malleable & Wrought Iron Co. (Rein) .....A  
**WIS.—Two Rivers**  
 Hamilton Mfg. Co. (Label) AA

## HOLLANDS: WINDOW SHADE

See Cotton Goods

## HOLLOWWARE: IRON; COOK- ING, ETC.

See also Enamelled Ware

**ALA.—Mobile**  
 Mobile Stove & Pulley Mfg. Co. ....B  
**GA.—Atlanta**  
 Atlanta Stove Wks. ....A  
**IND.—Jeffersonville**  
 Indiana Mfg. Co. ....A  
**MO.—St. Louis**  
 Mound City Enamelling & Mfg. Co. (Steel) .....D  
**N. Y.—Brooklyn**  
 N. Y. Stamping Co. (Steel) A  
**New York City**  
 Iron Clad Mfg. Co....AAA  
**OHIO—Cleveland**  
 Avery Stamping Co. (Cooking) .....B  
 Cleveland Stamping & Tool Co. (Steel) .....A  
 Fanner Mfg. Co. (Steel)...A  
**OHIO—Sidney**  
 Wagner Mfg. Co. (Cast Iron) .....A  
**PA.—Cheswick**  
 Cheswick Mfg. Co. (Steel) X  
**PA.—Marietta**  
 Marietta Casting Co....B  
 Marietta Holloware & Enamelling Co. ....B  
**TENN.—Nashville**  
 Phillips & Buttorff Mfg. Co. ....AAAA  
**TENN.—South Pittsburg**  
 Blacklock Foundry Co. (Cooking) .....C

## HOLSTERS

**ILL.—Chicago**  
 Cook & Bro., E. C. (Pistol) A  
**MASS.—Worcester**  
 Warren Leather Goods Co. (Pistol) .....B  
**MO.—St. Joseph**  
 Wyeth Hdw. & Mfg. Co. (Pistol) .....AAA  
**MO.—St. Louis**  
 Brauer Bros. Mfg. Co. (Gun) .....E  
 Straus Saddlery Co., Jacob

**HOLSTERS (Con.)**

(Pistol) .....A  
**New York City**  
 Abercrombie & Fitch, 314  
 B'way (Pistol) .....B  
**OHIO—Akron**  
 Goodrich Co., B. F. (Rub-  
 ber; Pistol) .....AAAA

**HOMINY**

See Cereals

**HONES**

See also Oil Stones & Whet-  
 Stones

**ILL.—Chicago**  
 Chicago Wheel & Mfg. Co.  
 (Emery; Carundum; Ra-  
 zor) .....C  
 Goodrich, A., 541 Madison  
 (Razor) .....C  
**KY.—Louisville**  
 Caron Stone Co. (Stone  
 Polishing) .....D  
**MINN.—St. Paul**  
 Lukins Co., F. M., Ger. Life  
 Bldg. (Razor) .....X  
**N. H.—Pike Station**  
 Pike Mfg. Co. ....A  
**N. Y.—Little Valley**  
 Cattaraugus Cutlery Co. .  
 (Razor) .....A  
**New York City**  
 Silberstein, A. L., 459  
 B'way (Razor) .....A  
**N. Y.—Niagara Falls**  
 Carborundum Co. ....A  
**N. Y.—Rochester**  
 Robeson Cutlery Co. (Razor)  
 A  
**OHIO—Cleveland**  
 Cleveland Stone Co. ....AAAA  
**OHIO—Tiffin**  
 Sterling Emery Wheel Mfg.  
 Co. (Emery; Carundum).A

**HONEY**

**CAL.—Los Angeles**  
 German Fruit Co. (Inc.)...A  
 Simpson & Hack. Fruit Co.  
 C  
**CAL.—San Francisco**  
 Balfour, Guthrie & Co., 310  
 Calif. ....AAAA  
 Dennison, Fleweger & Co.,  
 117 Sacramento .....B  
 Guggenlime & Co., 118  
 Davis .....A  
 Rosenberg Bros. & Co., 211  
 Calif. ....A  
 Russ, Early & Harville, 125  
 Davis .....A  
**CAL.—Yuba City**  
 Rosenberg Bros. (Br. San  
 Francisco) .....A  
**ILL.—Chicago**  
 Armsby Co., J. K. ....A  
 Weaver & Co., C. H. ....A  
**MAINE—Portland**  
 Pettingill Co., E. H. ....B  
**MD.—Baltimore**  
 Orem & Co., O. C., McEl-  
 derry's Wharf .....C  
**MASS.—Somerville**  
 Lamb, W. J. ....C  
**MASS.—South Easton**  
 Simpson Spring Co. ....B  
**N. MEX.—Farmington**  
 San Juan Stores Co. ....C  
**N. Y.—Albany**  
 MacDougal & Co. ....A  
**N. Y.—Buffalo**  
 Gleason & Lansing, 150  
 Michigan .....A  
**New York City**  
 Ams, Max., 372 Greenwich..  
 AA  
 Falcon Packing Co., 158  
 Franklin .....C  
 Hildreth & Segelken, 265  
 Greenwich .....C  
 Israel & Bros., 490 Canal..B  
 Wickes, W. W., 10 Gouvern-  
 eur .....C  
 Williams & Co., R. C., 56  
 Hudson .....AA  
**OHIO—Bellefontaine**  
 Johnson Co., F. N. ....A

**HONEY (Con.)**

**OHIO—Medina**  
 Root Co., A. I. ....AA  
**PA.—Philadelphia**  
 Ritter Conserve Co., P. J..A  
**UTAH—Ogden**  
 Blackman & Griffin .....C  
**W. VA.—Wheeling**  
 McMechan & Son Co., Geo.  
 K. ....B  
**WIS.—Reedsburg**  
 Stolte, Dengel & Foss Co..B  
 Webb & Schweke .....B

**HOODS**

See also Hats & Caps

**CONN.—New Britain**  
 Brady, T. H. (Electric  
 Light) .....B  
**IND.—Fort Wayne**  
 Ft. Wayne Electric Corpora-  
 tion (Electric Light)....  
 AAAA  
**MD.—Baltimore**  
 Hutchinson Bros., 116 N.  
 Howard (Canopy) .....D  
**N. H.—Manchester**  
 Campbell, John (Horse)..H  
**N. J.—Newark**  
 Peters Harness & Saddlery  
 Co. (Horse) .....C  
**N. Y.—Buffalo**  
 Buffalo Forge Co. (Emery  
 Wheel) .....AAA  
**New York City**  
 Goodyear Rubber Co.  
 (Horse) .....AAAA  
**PA.—Erie**  
 Erie City Iron Wks. (Man-  
 hole) .....AAAA  
**PA.—Philadelphia**  
 Klemm & Co., 132 N. 5th  
 (Electric Light) .....C

**HOOKS**

See also Canthooks & Hard-  
 ware; Carriage.

**CONN.—Bradford**  
 New York Lock Co. (Coat  
 Hat) .....B  
**CONN.—Bridgeport**  
 Armstrong Mfg. Co. (Paint  
 Pot; Snap; Shoe Button;  
 Adjustable Ladder) ....A  
 Bridgeport Chain Co. (S.;  
 S.) .....A  
 Hurwood Mfg. Co. (Box;  
 Cotton; Hay; Meat) ...B  
 Jennings Bros. Mfg. Co.  
 (Shoe; Glove Buttoning)  
 AA  
 Knapp & Cowles Mfg. Co.  
 Bale; Meat, etc.; Grass;  
 Box; Weeding) .....A  
 Smith & Egge Mfg. Co.  
 (Coat; Hat; S. & S.)...A  
**CONN.—Chester**  
 Brooks & Sons, M. S. (Brass  
 Cup; Shoulder; Hammock;  
 Awning; Harness; Drap-  
 ery; Jack; Meat; Picture;  
 Lambrequin; "S." or  
 "Eight"; Strap Screw;  
 Gate; Shutter; Wire; Tas-  
 sel) .....B  
**CONN.—Collinsville**  
 Collins Co. (Bush; Grass)...  
 AAAA  
**CONN.—Deep River**  
 Potter & Snell (Shoe; Glove  
 Buttoning) .....D  
**CONN.—Derby**  
 Shelton Co. (Boat) .....A  
**CONN.—Essex**  
 Dickinson & Co., E. E.  
 (Boat) .....A  
 Tiley-Pratt Co. (Shoe; Glove  
 Buttoning) .....D  
**CONN.—Hartford**  
 Billings & Spencer Co.  
 (Snap; Belt; Harness).AA  
 Jewell Belt Hook Co. (Belt)  
 AAA  
**CONN.—Meriden**  
 Bradley & Hubbard Mfg.  
 Co. (Chandeller) .....AAAA  
 Foster, Merriam & Co.  
 (Coat; Hat) .....A

# HOOKS (Con.)

**CONN.—Middletown**  
 Palmer, I. E. (Adjustable Hammock; Patent Hitching) .....AAA  
**Willcox, Crittenden & Co.** (Hammock; Boat) .....A  
**CONN.—Mount Carmel**  
 Woodruff & Sons, Walter W. (Apron; Rein) .....A  
**CONN.—New Britain**  
 Corbin, P. & F. (Hammock; Clothes Line; Cornice)...AAAA  
**Humason & Beckley Mfg. Co.** (Hammock; Bale; Awning; Meat; Screw; Box; Cotton; Hay) .....A  
 Judd, Oliver S. (Picture)...A  
 Landers, Frary & Clark (Hammock; Bird Cage; Ceiling; Chandelier; Coat; Hat; Cornice; Desk; Meat; Screw; Strap; Clothes Line; Gate; Door) .....AAA  
 North & Judd Mfg. Co. (Harness; Breeching; Ox Tug; Trace; Harness)...AA  
 Taplin Mfg. Co. (Painters' Ladder) .....D  
**CONN.—New Haven**  
 Atlas Mfg. Co. (Coat; Hat) F  
 Cowles & Co., C. (Inc.) (Apron) .....A  
 Fitch Co., W. & E. T. (Express) .....AA  
 Hendryx Co., Andrew B. (Bird Cage) .....A  
 Mallory-Wheeler Co. (Hat; Coat) .....AA  
 North & Co., O. B. (Harness; Bolt; Breeching; Check; Express; Post; Snap; Tug) .....AA  
 Sargent & Co. (Pipe; Harness; Awning; Hitching; Beet; Meat; Picture; Bird Cage; Hammock; Malleable; Box; Cotton; Hay; Cabin Door; Brine; Chandelier; Lamp; Clothes Line; Coat; Hat; Conductor; Cup; Shoulder; Desk; Drive; "S. & S."; Fire Pail; Floor Pulley; Gate; Door) .....AAAA  
**CONN.—Norwich**  
 Ossowan Mills Co. (Coat; Hat; Gate; Shutter; Screw; Picture) .....B  
 Turner Mfg. Co., Emerson P. (Picture) .....X  
**CONN.—Oakville**  
 Smith & Son, S. (Pruning) D  
**CONN.—Plainville**  
 Hills, Edwin (Awning; Hammock, etc.) .....A  
**CONN.—Southington**  
 Peck, Stow & Willcox Co. (Brush; Coat; Hat; Harness; Awning; Bird Cage; Box; Cotton; Hay; Cabin Door; Chandelier; Lamp; Clothes Line; Corn; Tobacco; Cup; Shoulder; Gate; Door; Hammock; Jamb; Picture) .....AAAA  
**CONN.—Stamford**  
 Yale & Towne Mfg. Co. (Coat; Hat; Grapple)...AAAA  
**CONN.—Torrington**  
 Turner & Seymour Mfg. Co. (Bird Cage; Cup; Drapery; Picture; Tassel) ...A  
**CONN.—Unionville**  
 Upson Nut Co. (Belt) ...AAA  
**CONN.—Wallingford**  
 Wallace & Sons Mfg. Co., R. (Shoe Button) ...AAAA  
**CONN.—Waterbury**  
 Amer. Pin Co. (Chandelier; Wardrobe) .....A  
 Amer. Ring Co. (Hat; Coat) A  
 Bristol Co. (Belt) .....D  
 Novelty Mfg. Co. (Moulding) .....A  
 Plume & Atwood Mfg. Co. (Picture; "S. & S.") ...AAA

# HOOKS (Con.)

**CONN.—Westport**  
 Bradley's Sons, G. W. (Cotton; Box) .....D  
**ILL.—Chicago**  
 Allis, Chalmers & Co. (Safety; Quarry) ...AAAA  
 Amer. Steel & Wire Co., "The Rookery" (Awning) AAAA  
 Barbee Wire & Iron Wks. (Coat; Hat; Lantern; Oiling; Bill File; Harness) .....B  
 Crane Co., 10 N. Jefferson (Pipe) .....AAAA  
 Edwards Mfg. Co., W. S., 21 Lake (Chandelier)...B  
 Illinois Malleable Iron Co., 30 W. Monroe (Soil; Gas Pipe; Beam; Lamp; Chandelier) .....AAA  
 Klein & Son, Mathias, 87 Van Buren (Carrying)...A  
 Manasse Co., L. (Eye Glass) C  
 Nicol & Co., 55 W. Washington (Bale; Meat, etc.; Glove Buttoning; Box; Shoe Buttoning) .....D  
 Solid Steel Tool Co., 11 S. Jefferson (Dolly Bar)...F  
 Vaughan & Bushnell Mfg. Co., 877 Carroll Av. (Bench; Ceiling; Meat; Box; Cotton; Car; Grapple; Hay; Meat Selecting) B  
**ILL.—Decatur**  
 U. S. Wire Mat Co. (Clinker) .....D  
**ILL.—Downers Grove.**  
 Dicke Tool Co. (Bench; Cant) .....C  
**ILL.—Freeport**  
 Arcade Mfg. Co. (Hammock; Awning; Weeding; Chandelier; Lamp; Harness)...B  
 Stover Mfg. Co. (Bench; Bird Cage; Ceiling; Harness; Chandelier; Lamp) AA  
**ILL.—Harvey**  
 Whiting Fdry. Equipment Co. (Foundry Draw)...AA  
**ILL.—Kewanee**  
 Western Tube Co. (Pipe)...AAA  
**ILL.—Ottawa**  
 Porter Co., J. E. (Floor Pulley) .....A  
**ILL.—Peoria**  
 Clark, Queen & Morse (Conductor) .....A  
**ILL.—Rockford**  
 Sovereign, C. E. (Harness) O  
**ILL.—Streator**  
 Iwan Bros. (Bush; Conductor) .....D  
**IND.—Columbus**  
 Keeves & Co. (Inc.) (Cant) .....AA  
**IND.—Evansville**  
 Evansville Tool Wks. (Bush) .....A  
**IND.—Indianapolis**  
 Atkins & Co., E. C., 402 S. Illinois (Cant) .....AAAA  
 Tucker & Dorsey Mfg. Co., State Ave. & Bates (Bench) .....A  
**IND.—Jeffersonville**  
 Indiana Chain Wks. (Grab for Log Chains) .....O  
**IND.—Montpelier**  
 Jackson Shovel & Tool Co. (Log; Timber Carriers')...B  
**IND.—South Bend**  
 Studebaker Bros. Mfg. Co. (Check) .....AAAA  
**IOWA—Cedar Rapids**  
 Adams Mfg. Co., A. L. (Hammock) .....F  
**IOWA—Fairfield**  
 Loudon Machry. Co. (Floor Pulley) .....D  
**IOWA—Fort Madison**  
 Iowa Farming Tool Co. (Chain; Corn; Tobacco)...A  
**IOWA—Iowa City**  
 Berry Flush Tank Co. (Sewer Pipe) .....H

**HOOKS (Con.)**  
**MAINE**—Hollowell  
 North Wayne Tool Co.  
 (Corn; Grass) .....D  
**MAINE**—Portland  
 Frye, John J. (Snap) ...C  
 Laughlin Co., Thos. (Screw;  
 Barrel; Box; Cotton) ...A  
**MAINE**—Skowhegan  
 Nolin Mfg. Co. (Grass) ...B  
**MD.**—Baltimore  
 Levy & Sons, M. S. (Pic-  
 ture Hanging) .....A  
 Marden, Jesse (Est.) (Bale;  
 Box; Meat, etc.) .....X  
**MASS.**—Arlington  
 Wood & Co., Wm. T.  
 (Barrel) .....A  
**MASS.**—Attleboro  
 Bliss Bros. Co. (Belt) ....A  
**MASS.**—Boston  
 Boston Bolt Co., 33 Pur-  
 chase (Pipe) .....B  
 Boston & Lockport Block  
 Co., 160 Commercial  
 (Cant) .....B  
 Harvey, H. H., 606 Atlantic  
 Av. (Box; Cotton; Hay) .B  
 New England Bolt & Nut  
 Co., 253 Atlantic (Pipe) C  
 New England Novelty Mfg.  
 Co. (Skirt Supporting) .H  
 Sewing Machine Supplies  
 Co. (Belt) .....B  
 Tubular Rivet & Stud Co.,  
 87 Lincoln (Eyelet Lac-  
 ing) .....AA  
**MASS.**—Chelsea  
 Low Tile Co. (Bill File) .F  
**MASS.**—Kingston  
 Drew & Co., C. (Box; Cot-  
 ton; Hay) .....O  
**MASS.**—Mansfield  
 Spaulding, D. S. (Shoe;  
 Glove Buttoning) .....B  
**MASS.**—North Attleboro  
 Codding & Heilborn Co.  
 (Shoe; Glove Buttoning) .A  
 Whiting Co., F. M. (Shoe  
 Button) .....A  
**MASS.**—Springfield  
 Whipple & Co., R. P. (Car-  
 penters' Bench) .....H  
**MASS.**—West Medway  
 United Awl & Needle Co.  
 (Shoe Button) .....O  
**MASS.**—Worcester  
 Parker Wire Goods Co.  
 (Belt; Chandelier; Lamp;  
 Clothes Line; Coat; Hat;  
 Cup; Shoulder; "S. & S.";  
 Floor Pulley; Gate; Door;  
 Hammock; Meat; Mould-  
 ing; Picture) .....E  
 Spencer Wire Co. (Cup;  
 Shoulder) .....A  
 Wire Goods Co. (Hammock;  
 Bird Cage; Belt; Chande-  
 lier; Coat; Hat; Cup;  
 Desk; Meat; Picture;  
 Screw; Tassel; Wardrobe;  
 Wire; Regatta; Shoe But-  
 ton; Harness; Bicycle  
 Store; Brine; Clothes  
 Line; "S. & S."; Fire  
 Paul; Floor Pulley; Gate;  
 Door) .....A  
**MICH.**—Detroit  
 Anderson & Son, W. H. St.  
 Cuburn & Guoin (Holst;  
 Engineers' Packing) ...C  
 Detroit Bronze & Plating  
 Wks., 44 Jefferson  
 (Nickel; Bronze Hat;  
 Coat) .....G  
 Michigan Bolt & Nut Wks.,  
 Meldrum Av. (Floor;  
 Hanger) .....A  
**MICH.**—Ewart  
 Champion Tool & Handle  
 Wks. (Grab; Lumber-  
 mans' Lug; Grappling;  
 Swamp, etc.) .....A  
**MICH.**—Fenton  
 Phillips Co., A. J. (Ward-  
 robe) .....A  
**MICH.**—Grand Rapids  
 Grand Rapids Brass Co.  
 (Wardrobe) .....A  
 Hardware Supply Co.  
 (Wardrobe) .....X

**HOOKS (Con.)**  
**MICH.**—Jackson  
 Withington & Cooley Mfg.  
 Co. (Potato; Manure;  
 Corn; Hop; Stone; Clam)  
 AAA  
**MICH.**—Lansing  
 Lansing Wheelbarrow Co.  
 (Barrel) .....AAA  
**MICH.**—Saginaw  
 Morley Bros. (Cant; Chain;  
 Lug; Timber; Timber  
 Carrying) .....AA  
**MISS.**—Meridian  
 Soule Steam Feed Wks.  
 (Cant) .....O  
**MO.**—St. Louis  
 Leschen & Sons Rope Co.,  
 920 N. Main (Overhead  
 Carrying Track) ....AAA  
 Pleuger & Henger Mfg. Co.,  
 1015 Herbert (Bird Cage;  
 Clothes Line; Harness) .A  
**N. H.**—Exeter  
 Exeter Machine Wks. (Pipe)  
 B  
**N. H.**—Tilton  
 Lord Optical Co., L. C. (Eye  
 Glass) .....B  
**N. J.**—Elizabeth  
 Braumdorf-Mueller Co.  
 (Box; Cotton; Hay) ....D  
**N. J.**—Greenloch  
 Bateman Mfg. Co. (Potato)  
 A  
**N. J.**—High Bridge  
 Taylor Iron & Steel Co.  
 (Car) .....AAAA  
**N. J.**—Montclair  
 Heller & Co., W. C. (Grass)  
 F  
**N. J.**—Newark  
 Bernz, Otto, S. 13th &  
 S. Orange Av. (Cotton;  
 Box) .....B  
 Celluloid Co. (Shoe Button)  
 B  
 Grossner, F. W., 392 Bank  
 (Check) .....G  
 Johnson, Wm., 249 Plane  
 (Cotton; Box) .....D  
 National Saw Co., 15 River  
 (Corn; Tobacco) .....B  
 Osborne & Co., C. S., 96  
 Mechanic (Cotton) ....B  
 Rubber & Celluloid Harness  
 Trimming Co. (Check) .AA  
 Sacks Iron Fdry., Louis,  
 Hamburg Pl. & Av. L.  
 (Button) .....A  
 Searls Mfg. Co. (Robe) ...B  
 Williamson Wire Novelty  
 Co., C. T., 369 Mulberry  
 (Cart; Ceiling; Coat; Hat;  
 Cornice; Picture; Wire) .B  
**N. Y.**—Auburn  
 Wadsworth & Son, David  
 ((Bush; Grass) .....A  
**N. Y.**—Binghamton  
 Crandal, Stone & Co.  
 (Apron; Carpet) .....A  
**N. Y.**—Brooklyn  
 De Haven Mfg. Co., 50 Co-  
 lumbia Heights (Pail) .A  
 Hay-Budden Mfg. Co., 254  
 Henry (Awning) .....B  
 Williams & Co., J. H., 9  
 Richards (Chain; Hoist;  
 Crane) .....AA  
**N. Y.**—Buffalo  
 Buffalo Specialty Mfg. Co.,  
 375 Ellicot (Belt) .....B  
 Contractors' Plant Mfg. Co.,  
 129 Erie (Grab) .....B  
 Pratt & Letchworth, 189  
 Tonawanda (Bolt; Check;  
 Express Pad; Whiffle-  
 tree) .....AAA  
 Shepard & Co., Sidney, 145  
 Seneca (Conductor) ....AAAA  
 Western Wire Goods Co.  
 (Coat; Hay; Cup; Shoul-  
 der; "S. & S."; Floor  
 Pulley; Gate; Door; Ham-  
 mock; Mirror) .....E  
 White Co., L. & I. J., Perry  
 & Columbia (Meat Select-  
 ing) .....A  
**N. Y.**—East Syracuse  
 Benedict Mfg. Co., M. S.

**HOOKS (Con.)**  
 (Shoe; Glove Buttoning) AA  
**N. Y.—Elmira**  
 Cronk & Carrier Mfg. Co. (Grass) .....B  
**N. Y.—Frankfort**  
 Continental Tool Co. (Clam; Potato; Manure) .....A  
**N. Y.—Homer**  
 Phoenix Hdw. Mfg. Co. (Bench) .....D  
**N. Y.—Manlius**  
 Cheney & Son, S. (Harness) A  
**N. Y.—Monroe**  
 Newbury Mfg. Co. (Pipe).D  
**N. Y.—Munnsville**  
 Munnsville Plow Co. (Hop) .....C  
**New York City**  
 Amer. Axe & Tool Co., 253 B'way (Bush; Bill; Grass) AAAA  
 Amer. Railway Supply Co., 24 Park Pl. (Whistle Cord) .....B  
 Chatillon & Sons, John, 85 Cliff (Hog) .....A  
 Collins & Co., 212 Water (Bush) .....A  
 De Graw, Aymar & Co., 34 South (Boat) .....AA  
 Fiske Iron Wks., J. W., 39 Park Pl. (Harness) ....B  
 Graham & Co., J. H., 113 Chambers (Belt; Coat; Hat) .....AA  
 Grote & Co., F. (Shoe Button) .....D  
 Judd & Co., H. L., 87 Chambers (Bird Cage; Chandeller; Drapery; Picture; Screw; Tassel; Bill File) .....AA  
 Krieg & Co., J. K., 39 Warren (Shoe Button) .....A  
 Kroder, Jno. & Reubel, Hy., Co., 31 E. 17th (Tassel) B  
**Lance & Grosjean Mfg. Co., 19 Cliff (Pipe; Meat; Pot) .....AAAA**  
 Lange, August, 606 E. 15th (Pipe) .....H  
 Manhattan Brass Co., 332 E. 23th (Picture) .....A  
 Metal Stamping Co., 468 W. B'way (Apron; Reelin; Whiffletree) .....B  
 Palmenbergs' Sons, J. R., 710 B'way (Coat; Hat).X  
 Reilley Bros. (Ladder; Paint Pot) .....D  
 Russell & Erwin Mfg. Co., 43 Chambers (Bird Cage; Box; Cotton; Hay; Cabin Door; Chandeller; Lamp; Clothes Line; Coat; Hat; Gate; Door; Hammock; Harness; Jamb) .....AAAA  
 Sargent & Co., 151 Leonard (Brine) .....AAAA  
 Spencer Optical Co. (Eye Glass) .....C  
 Stimpson & Son, Edwin B., 31 Spruce (Shoe Eyelet Lacing) .....A  
 Tiebout, W. & J., 118 Chambers (Awning; Bale; Box; Hogshead; Boat; Clothes Line; Coat; Hat; Cup; Shoulder; "S. & S." Gaff Topsail; Hammock) B  
**N. Y.—Niagara Falls**  
 Dobbie Fdry. & Machine Co. (Grab; Hoist) .....D  
**N. Y.—Seneca Falls**  
 Climax Specialty Co. (Pipe) B  
**N. Y.—Syracuse**  
 Stearns & So., E. C. (Harness; Awning; Bench; Hammock; Pulley; Hay).AA  
 Whitman & Barnes Mfg. Co. (Grass) .....AAAA  
**N. Y.—Utica**  
 Giblyn & Co. (Whiffletree) B  
**OHIO—Ashland**  
 Myers & Bro., F. E. (Floor

**HOOKS (Con.)**  
 Cleveland Faucet Co., 21 Pulley; Overhead Carrying Track) .....AAAA  
**OHIO—Canton**  
 Berger Mfg. Co. (Conductor) AA  
 Elbel Co. (Check; Strap; Tug; Harness) .....B  
 Gibbs Mfg. Co. (Potato; Weeding) .....A  
 Knight Mfg. Co. (Cant)...E  
 Kohler & Co., F. E. (Weeding) .....C  
 Ney Mfg. Co. (Floor Pulley; Harness) .....B  
**OHIO—Cincinnati**  
 Cincinnati Tool Co. (Bench) B  
 Lane & Bodley Co., cor. John & Water (Cant)...A  
 Obermayer Co., S., Evans & 8th (Foundry; Draw).AA  
 Tatum Co., Samuel C., 414 W. Water (Bench; Harness) .....B  
**OHIO—Cleveland**  
 Amer. Fork & Hoe Co. (Clam; Corn; Tobacco; Hop; Potato; Manure, etc.) .....AAAA  
 Avery Stamping Co., Lake & Coe (Pipe; Pot) .....A  
 Columbian Hdw. Co., Coe & Hamilton (Coat; Hat).AA  
 Federal Mfg. Co., Amer. Trust Bldg. (Button)....AAAA  
 Garry Iron & Steel Co., Coe & Lake (Conductor)....A  
 Gerlach & Co., Peter, 28 Col. Av. (Cant; Timber Carrying) .....B  
 Smith Fdry. Supply Co., J. D., 40 S. Water (Foundry; Draw) .....D  
 Taylor & Boggis Fdry. Co., 521 Seneca (Harness; Coat; Hay) .....AA  
**OHIO—Columbus**  
 Brown, Hinman & Huntington Co. (Potato; Manure, etc.) .....A  
 Case Mfg. Co. (Chain; Hoist; Crane; Overhead Carrying Track) .....A  
 Hayden-Corbett Chain Co. (Grab, for Log Chain)...A  
 Ohio Tool Co. (Bench) ...A  
**OHIO—Dayton**  
 Dayton Malleable Iron Co. (Chain) .....AA  
**OHIO—Geneva**  
 Geneva Tool Co. (Manure; Potato) .....AA  
**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred. J. (Coat; Hat; Bird Cage).B  
**OHIO—Hicksville**  
 Kerr Bros. Mfg. Co. (Cart) C  
**OHIO—Ravenna**  
 Williams, A. C. (Box; Cotton; Hay; Chandeller; Lamp; Clothes Line; Coat; Hat; Harness) .....A  
**OHIO—Toledo**  
 Donovan Wire & Iron Co. (Harness) .....C  
**PA.—Chester**  
 Keystone Drop Forge Wks. (Shackle; Hoist) .....B  
**PA.—Cheswick**  
 Cheswick Mfg. Co. (Bill).X  
**PA.—Erie**  
 Griswold Mfg. Co. (Pot)...A  
 Jarecki Mfg. Co. (Pipe)...AAAA  
 Standard Saw Mill Machry. Co. (Cant) .....C  
 Stearns Mfg. Co. (Grapple) AA  
**PA.—Freemansburg**  
 Shimer Son Co., Wm. (Celling) .....B  
**PA.—Howard**  
 Howard Iron & Tool Co. (Log Chain; Grab, for E. R.; Switch or Wrecking Train) .....B  
**PA.—Mount Joy**  
 Gray Iron Casting Co. (Bill; Coat; Hat) .....AAAA

**HOOKS (Con.)**

**PA.—New Castle**  
New Castle Forge & Bolt Co. (Chain) .....A  
**PA.—Philadelphia**  
Berger Bros. Co., 237 Arch (Conductor; Soil; Gas Pipe) .....A  
Darby & Sons, Ed., 233 Arch (Bird Cage) .....A  
Devlin Mfg. Co., Thos., 3rd & Lehigh Av. (Pipe) .AAA  
Disston & Sons, Henry (Pruning) .....AAAA  
Enterprise Mfg. Co., N. 3rd & Dauphin (Meat) .AAAA  
Keystone Drop Forge Co., 20th & Clearfield (Ham-mock; Drop Forged Hoist) B  
Nittinger, August, 823 N. 4th (Meat) .....A  
Phila. Novelty Mfg. Co., N. 13th & Noble (Bill File) .B  
Plumb, Fayette R., James & P. R. R. (Bush) .AAA  
Stortz & Son, Jno., 210 Vine (Ice) .....F  
**PA.—Pittsburg**  
Lanz & Sons, M., cor. Car-son & 29th .....B  
McKay & Co., James (Chain) .....AAA  
Standard Chain Co., 255 5th Av. (Chain; Log; Switch Chain) .....AAAA  
**PA.—Reading**  
Franklin Specialty Co. (Clothes Line) .....F  
Penn. Hdw. Co. (Ceiling; Clothes Line; Coat; Hat; Hammock; Harness) .AA  
Reading Hdw. Co. (Sash Pull; Bird Cage; Cabin Door; Lamp; Chandeller; Clothes Line; Coat; Hat; Cup; Shoulder; Fire Pall; Gate; Door; Harness; Store Rack; Toilet; Towel; Well Wheel) ....AAAA

**PA.—Scranton**  
Scranton Bolt & Nut Co. (Log) .....A

**PA.—Wrightsville**  
Susquehanna Castings Co. (Clothes Line; Coat; Hat; Harness) .....AA  
Wrightsville Hdw. Co. (Coat; Hat; Bird Cage; Harness; Clothes Line) .B

**R. I.—Pawtucket**  
Fuller & Son, Geo. H. (Jew-ellers' Chain) .....A  
Haskell Mfg. Co., Wm. H. (Pipe) .....A

Jenckes Mfg. Co., E. (Coat; Hat; Belt; Strap; Cup; Shoulder) .....AA

**R. I.—Providence**  
Brown Bros. & Co., 62 Exch. Pl. (Belt) .....A  
Budlong & Co., S. E. (Belt) F

Chase & Co., F. A., 253 W. Exch. (Belt) .....B  
Halkyard Mfg. Co. (Eyelet Lacing) .....B

Lind Co., Thos. W. (Jewel-ers' Chain) .....D  
National Ring Traveler Co., 257 W. Exch. (Belt) .AA

Talcott, W. O., 91 Sabin (Belt) .....D  
Waite, Mathewson & Co. (Eye Glass) .....B

Wall & Co., A. T. (Shoe Button) .....C  
**TENN.—Jackson**  
Southern Engine & Boiler Wks. (Cant) .....A

**VT.—Barre**  
Trow & Holden (Chain) .B  
**VT.—Bellows Falls**  
Derby & Ball (Manure; Potato) .....B

**W. VA.—Wheeling**  
Wheeling Corrugating Co. (Conductor) .....AAAA  
**WIS.—Eau Claire**  
Eau Claire Mill Supply Co. (Chain) .....D

**HOOKS (Con.)**

**WIS.—Milwaukee**  
Filler & Stowell Co., Becher & Zeimas (Cant) .AAA  
**WIS.—Oshkosh**  
Oshkosh Logging Tool Co. (Lumbermans' Lug; Grap-pling; Swamp, etc.) .C  
**WIS.—So. Milwaukee**  
Stowell Mfg. & Fdry. Co. (Beam; Bird Cage; Clothes Line; Coat; Hat; Floor Pulley; Harness) .A

**HOOKS & EYES**

**CONN.—Derby**  
Star Pin Co. ....A  
Sterling Pin Co. ....D

**CONN.—New Britain**  
Humason & Beckley Mfg. Co. (Gate) .....A

**CONN.—New Haven**  
Sargent & Co. ....AAAA  
**CONN.—Torrington**  
Turner & Seymour Mfg. Co. A

**CONN.—Waterbury**  
American Pin Co. ....A  
**ILL.—Chicago**  
Illinois Malleable Iron Co., 30 W. Monroe .AAAA

Reid & Co., 47 S. Canal .E  
**ILL.—Freeport**  
Arcade Mfg. Co. ....B

**MASS.—Worcester**  
Wire Goods Co. ....A  
N. Y.—Buffalo  
Western Wire Goods Co. (Malleable) .....E

New York City  
Judd & Co., H. L., 87 Chambers (Gate) .AAA

**N. Y.—Niagara Falls**  
Francis Hook & Eye & Fastener Co. ....A

**HOOKS & STAPLES**

**CONN.—New Britain**  
Humason & Beckley Mfg. Co. ....A

**HOOPS**

See also Cooperage

**COLO.—Denver**  
Colorado Fuel & Iron Co. (Iron; Steel) .....B  
Sheffield Rolling Mill Co. (Iron; Steel) .....A

**CONN.—Bridgeport**  
American Tube & Stamping Co. (Steel) .....AAAA  
Taylor, Thos. P. (Em-broidery) .....A

**CONN.—Scotland**  
Moffitt, J. D. (Mast) .F  
**GA.—Atlanta**  
Atlanta Steel Hoop Co. (Steel) .....A

**ILL.—Chicago**  
American Steel & Wire Co. (Iron) .....AAAA  
Sturges & Brown Mfg. Co. (Seamless Cheese) .A

**IND.—Anderson**  
Globe Mfg. Co. (Embroid-ery) .....F  
**MICH.—Northville**  
Dubuar Mfg. Co., J. A. (Mast) .....X

**MO.—Sawyer**  
Implement Woodstock Mfg. Co. (Fish Net) .....X  
**N. H.—Keene**  
Wilkins Toy Co. (Iron; Toy) .....AAA

**N. Y.—Brooklyn**  
De Haven Mfg. Co., 50 Columbia Heights (Steel; Shaft) .....A

**N. Y.—Cattaraugus**  
Oakes & Burger (Cheese) .B  
New York City  
American Steel & Wire Co., 71 B'way (Steel) .AAAA

Hunt Co., C. W. (Mast) .AA  
Mace & Co., L. H. (Toy) .B  
New York Boat Oar Co.

## HOOPS (Con.)

(Mast) .....A  
Richards & Co., E. Ira  
(Rolled Plate) .....AAA  
Tiebout, W. & J., 118  
Chambers (Mast) .....B  
N. Y.—Utica  
Jones, Frank L. (Cheese).C  
OHIO—Canton  
Gibbs Mfg. Co. (Embroid-  
ery) .....A  
OHIO—Cincinnati  
Cincinnati Truss Hoop Co.  
(Truss; Barrel) .....B  
Nunning & Son, Frank  
(Iron; Steel Truss).....X  
OHIO—East Liverpool  
Milligan Hdw. Supply Co.  
(Lawn) .....B  
PA.—Pittsburg  
Jones & Laughlin Steel Co.  
AAAA  
Pittsburg Steel Co. ....AAAA  
PA.—Sharon  
Sharon Steel Hoop Co.  
(Steel) .....AA  
E. I.—Pawtucket  
Haskell Mfg. Co., Wm. H.  
(Tub) .....AA  
E. I.—Providence  
Cooke Co., C. H. (Rolled  
Plate) .....D  
VT.—Bellows Falls  
Vermont Farm Machine Co.  
(Cheese) .....A  
VT.—Rutland  
Stoddard Mfg. Co. (Cheese)  
B  
WIS.—Fort Atkinson  
Cornish, Curtis & Greene  
Mfg. Co. (Cheese).....A

## HOPPERS

MD.—Baltimore  
Jones Holloware Co. (Water  
Closet) .....D  
MO.—St. Louis  
Kay-Pim Mfg. Co. (Bin)..X  
N. J.—Trenton  
Maddock & Sons, Thos.  
(Slop) .....AA  
N. Y.—Buffalo  
Squier Mfg. Co., Geo. L.  
(Coffee Mill) .....AAA  
N. Y.—Manlius  
Cheney & Son, S. (Shop)...A  
New York City  
Haydenville Mfg. Co.  
(Water Closet).....A  
Hunt Co., C. W. (Coal  
Weighing) .....AA  
Steger, Henry (Water  
Closet) .....A  
N. Y.—Syracuse  
Stearns & Co., E. C.  
(Slop) .....AA  
OHIO—Cleveland  
Taylor & Boggis Fdy. Co.  
(Slop) .....AA  
OHIO—Mansfield  
Humphreys's Mfg. Co.  
(Slop; Water Closet)...B  
PA.—Philadelphia  
McCambridge & Co. (Ltd.)  
(Slop; Water Closet)...B  
PA.—Pittsburg  
Amer. Furnace & Mach. Co.  
(Coal; Gas Producer)...D  
Standard Mfg. Co. (Slop;  
Water Closet) .....AA

## HOPS

CAL.—Sacramento  
Mehius & Drescher Co. ....AA  
CAL.—San Francisco  
Bauer-Schweitzer Hop &  
Malt Co., 632 Sac. ....AA  
Dennison, Fleweger & Co.,  
117 Sac. ....B  
Horst, Clemens Co., E., 122  
Battery .....AA  
Lillienthal & Co., Mission &  
Beale .....AAA  
Uhlman & Co., W., 120  
Battery .....B  
Wolf & Co., P., 419 Bat-  
tery .....A  
ILL.—Chicago  
Falk, Wormser & Co. ....A  
Goldman & Co., E. ....A  
Magnus Sons Co., A. ....B

## HOPS (Con.)

Watkins, Fretts & Vincent,  
169 Jackson Boul. ....A  
MICH.—Detroit  
Weidner, P. ....B  
MINN.—St. Paul  
Hauser & Sons Malting Co.  
B  
N. Y.—Albany  
May & Co., C. S. ....C  
N. Y.—Clinton  
Kennedy & Co., O. W. ....A  
N. Y.—Cobleskill  
France Milling Co. ....C  
France, Shaver & Co. ....C  
Tator, J. H. ....A  
N. Y.—Cooperstown  
Brady, H. J. ....C  
Lane & Co., A. ....D  
Quaif, R. ....C  
Stocker & Son, M. E. ....D  
N. Y.—Kenwood  
Snell, I. ....D  
N. Y.—Lowville  
Richardson & Co., R. J. ....C  
New York City  
Brand, G. W., 19 Whitehall  
C  
Dole, W. H., 44 Pearl. ....A  
Fox, H. F., 12 Coenties  
Slip .....C  
Gottlieb, W. B., 44 Pearl  
C  
Horst, R. R. G., 28 White-  
hall .....AA  
Kegeler, H. C., 326 E. 27th  
D  
La Vie, G. A., 28 Whitehall  
B  
Lillienthal Bros., 116 Broad  
AA  
Loewi, V., 37 Pearl. ....AA  
McGowan, Jr., T. W., 36  
Whitehall .....B  
Mugford, J. H., 19 White-  
hall .....D  
Reinermann, P., 3 So. Wil-  
liam .....C  
Reisinger, Hugo, 11B'way  
AA  
Rosenwald & Co., T., 116  
Broad .....B  
Rothbarth & Co., M., 26  
Whitehall .....C  
Schwartz, F., 41 S. Wil-  
liam .....A  
Schwartz & Sons, B., 25  
Pearl .....C  
Uhlman, S. & F., 69 Broad  
B  
Ullmann & Co., C., 17  
B'way .....C  
N. Y.—Oneida  
Luce Hop Co., A. J. ....D  
N. Y.—Oneonta  
Kenyon & Saxton. ....D  
Miller, F. D. ....B  
Smith Bros. ....C  
N. Y.—Waterville  
Conger, D. ....B  
Green & Son, C. ....A  
OREGON—Gervais  
Mitchell & McKinley. ....D  
OREGON—Salem  
Horst Bros. ....AA  
WASH.—North Yakima  
Horst & Lachmund Co. ....AA  
WASH.—Seattle  
Ramsey & Co., S. ....B  
WASH.—Tacoma  
Klaber & Co., Herman. ....C  
WIS.—Fort Atkinson  
Klein, Geo. ....B  
WIS.—Kewaskum  
Beckhaus, A. F. ....D  
WIS.—Milwaukee  
Klewert Co., Chas. L. ....A  
Koss & Bros. Co., Chas. ....A  
WIS.—Portage  
Mohr & Bro., C. ....L

## HORNS

See also Mus. Instruments  
CONN.—Essex  
Tilley, Pratt & Co. (Shoe).D  
CONN.—Meriden  
Meriden Britannia Co.  
(Shoe) .....AAAA  
CONN.—Wallingford  
Wallace & Sons Mfg. Co.,  
R. (Shoe) .....AAAA

**HORNS (Con.)**  
**IOWA**—**Council Bluffs**  
Henderson Mfg. Co., J. T.  
(Carnival) .....X  
**MASS.**—**Boston**  
Edson Mfg. Co. (Fog)....B  
**MASS.**—**Leominster**  
Blodgett & Co., B. F. (Toy) B  
Earl & Co., W. D. (Toy) C  
Forbes, Geo. (Toy).....F  
Leominster Comb Co.  
(Pressed) .....D  
**MASS.**—**Westfield**  
Crane Bros. (Phonograph) AAA  
**N. J.**—**Newark**  
Celluloid Co. (Shoe).....B  
Jenkinson & Co., R. C.  
(Shoe) .....AA  
**New York City**  
Grote & Co., F., E. 14th  
(Shoe) .....D  
Helvig, H. A. J., 228 Pearl  
(Fog) .....F  
International Silver Co., 9  
Malden Lane (Shoe).....AAAA  
Schlesinger & Co., Leo., 372  
South (Tin) .....AA  
**PA.**—**Irwin**  
Forman Can Co. (Shoe)...X  
**PA.**—**Philadelphia**  
Hawthorne & Sheble Mfg.  
Co. (Phonograph).....B

## HORSEHIDE

See Leather

## HORSE RADISH

See Condiments and Sauces

## HORSES

**MASS.**—**Boston**  
Prescott, Edwin (Clothes) E  
**MASS.**—**Leominster**  
Whitney Reed Chair Co.  
(Galloping; Hobby; Toy;  
Swinging; Rocking) AAAA  
**MICH.**—**Fenton**  
Phillips Co., A. J.  
(Clothes) .....A  
**MO.**—**St. Louis**  
Great Western Planing  
Mill Co. (Hobby) .....B  
**N. H.**—**Nashua**  
Fletcher & Webster Furni-  
ture Co. (Rocking; Toy) C  
Nashua Novelty Wks.  
(Clothes; Rocking Toy) B  
**N. J.**—**Vineland**  
Gage Tool Co. (Clothes)...A  
**N. Y.**—**Brooklyn**  
Cooper & McKee, 119 Gwin-  
nett (Clothes).....A  
**New York City**  
Crandall Carriage Co.  
(Rocking; Toy).....X  
Mace & Co., L. H., 117 E.  
Houston (Clothes; Rock-  
ing; Toy) .....B  
**OHIO**—**Cincinnati**  
Queen City Carousel Co.  
(Carousel; Galloping Toy) H  
Randall & Co. (Saddlers';  
Stitching) .....B  
**OHIO**—**Toledo**  
Toledo Display Horse Co.  
(Display) .....A  
**VT.**—**Brattleboro**  
Smith Co., S. A. (Hobby;  
Rocking; Toy).....AAA  
**WIS.**—**Milwaukee**  
Meincke & Son, A. (Car-  
rousel; Hobby; Rocking;  
Swinging; Toy).....AA

## HORSE-SHOES -

**CONN.**—**Mt. Carmel**  
Woodruff & Sons Co., W.  
W. ....A  
**DEL.**—**Wilmington**  
Diamond State Steel Co...X  
**ILL.**—**Joliet**

**HORSE-SHOES (Con.)**  
Phoenix Horse Shoe Co. AAA

**MASS.**—**Boston**  
Ames Plow Co. ....AA  
Neverslip Horseshoe Co...D  
**N. J.**—**Bloomfield**  
Combination Rubber Mfg.  
Co. (Rubber) .....B  
**N. J.**—**Phillipsburg**  
American Horse Shoe Co..B  
**New York City**  
Am. Steel & Wire Co., 71  
B'way .....AAAA  
Hahn Mfg. Co., 360 Grand  
(Rubber) .....D  
**N. Y.**—**Poughkeepsie**  
Phoenix Horseshoe Co. of  
Illinois .....AAA  
**N. Y.**—**Troy**  
Burden Iron Co.....AAAA  
**OHIO**—**Akron**  
Goodrich Co., B. F. (Rub-  
ber) .....AAAA  
**PA.**—**Catasauqua**  
Bryden Horseshoe Co...AA  
**R. I.**—**Providence**  
Rhode Island Perkins Horse-  
shoe Co. ....AAAA  
**VA.**—**Richmond**  
Old Dominion Iron & Nail  
Wks. Co. ....AA

## HOSE

See also Rubber Goods; also  
Hosiery

**CAL.**—**San Francisco**  
Neville & Co. (Inc.) (Air;  
Fire) .....A  
**CONN.**—**Hartford**  
Jewell Belting Co. (Fire) AAA  
**CONN.**—**Middletown**  
Russell Mfg. Co. (Linen;  
Fire) .....AAAA  
**ILL.**—**Chicago**  
Allen Mfg. Co., W. D., 151  
Lake (Steel Armour Gar-  
den; Mill; Steam)....D  
Chicago Fire Apparatus Co.,  
54 La Salle (Cotton Rubber  
Lined Fire) .....D  
Chicago Rubber Brokerage  
Co., 312 Dearborn (Air  
Brake; Brewers' Fire;  
Oil; Rubber; Steam; Suc-  
tion; Tanners) .....E  
Crane Co., 10 N. Jefferson  
(Cotton) .....AAAA  
**MASS.**—**Boston**  
Boston Belting Co., 256 De-  
vonshire (Air Brake; Cor-  
rugated Tender; Cotton;  
Fire; Garden; Mill;  
Steam; Linen; Rubber for  
Steam Drills; Acid; Air;  
Brewers'; Chemical; Div-  
ers'; Gas; Hydraulic;  
Leather; Oil; Locomotive;  
Suction; Tank; Tanners';  
Wire Bound).....AAAA  
Boston Woven Hose &  
Rubber Co. (Knit; Spiral;  
Rubber) .....AAAA  
Callahan Co., Cornelius, 127  
Purchase (Fire) .....D  
Knottown Rubber Co., Geo.  
W., 72 Broad (Garden;  
Mill; Steam) .....F  
Pevear & Co. (Leather) AA  
Revere Rubber Co., 63  
Franklin (Air Brake;  
Cotton; Fire; Garden;  
Mill; Steam; Linen; Rub-  
ber) .....AAAA  
**MASS.**—**Cambridge**  
Boston Woven Hose & Rub-  
ber Co. (Air Brake; Fire;  
Linen; Cotton; Garden;  
Cotton; Rubber Lined;  
Rubber; Steam; Suction  
AAAA  
**MASS.**—**Canton Junction**  
Callahan, C. (Linen)....X  
**MASS.**—**Fitchburg**  
Fitchburg Duck Mills  
(Duck) .....AA  
**MASS.**—**Malden**  
Clark Hose Co. (Cotton;  
Fire; Linen) .....X  
Niedner, Chas. H. (Mill;  
Steam; Linen Fire; Gar-



**HOSE (Con.)**  
 den) .....D  
**MO.—St. Louis**  
 Cooney Mfg. Co., P. J., 900  
 Cass Av. (Carriage Fire) .....O  
 Nelson Mfg. Co., N. O.  
 (Wire Bound).....AAA  
**N. J.—Bloomfield**  
 Comb. Rubber & Belting Co.  
 (Rubber) .....A  
**N. J.—Jersey City**  
 New Jersey Car Spring &  
 Rubber Co. (Air Brake;  
 Cotton; Cotton Rubber  
 Lined; Fire; Garden;  
 Mill; Steam; Linen;  
 Acid; Air; Brewers';  
 Rubber; Divers'; Gas;  
 Oil; Suction; Tanners';  
 Wire Bound .....AA  
 Voorhees Rubber Mfg. Co.,  
 18 Bostwick Av. (Cotton;  
 Rubber Lined; Fire; Gar-  
 den; Mill; Steam; Linen) .....A  
**N. J.—Newark**  
 Rossendale-Reddaway Belt-  
 ing & Hose Co. (Fire;  
 Linen) .....A  
**N. J.—New Brunswick**  
 India Rubber Co. (Acid) .....AA  
**N. J.—Trenton**  
 Consolidated Rubber Co.  
 Air Brake; Cotton; Fire;  
 Garden; Mill; Steam).....B  
 Crescent Belting & Packing  
 Co. (Air Brake; Cotton;  
 Garden; Mill; Steam;  
 Rubber; Suction) .....A  
 Hamilton Rubber Mfg. Co.  
 (Air Brake; Cotton; Fire) .....A  
 Home Rubber Co. (Air  
 Brake; Cotton; Fire;  
 Rubber Garden; Mill;  
 Steam; Air; Brewers';  
 Locomotive; Suction;  
 Tank) .....AA  
 Mercer Rubber Co. (Fire;  
 Brewers'; Locomotive;  
 Rubber; Steam; Suction;  
 Tank; Air Brake).....A  
 Stokes Rubber Co., Joseph  
 (Cotton; Garden; Fire;  
 Mill; Steam).....A  
 Trenton Rubber Mfg. Co.  
 (Air Brake; Garden;  
 Mill; Steam; Brewers';  
 Rubber; Steam; Suction) .....A  
 United & Globe Rubber  
 Mfg. Co. (of Trenton, N.  
 J.) Air Brake; Cotton;  
 Fire; Garden; Mill;  
 Steam; Rubber) .....AAA  
 Whitehead Bros. Rubber  
 Co. (Air Brake; Cotton;  
 Fire; Garden; Mill;  
 Steam) .....A  
**N. Y.—Buffalo**  
 Rickford & Francis Belting  
 Co. (Leather) .....A  
 Buffalo Weaving & Belting  
 Co. (Insulating Cotton) .....A  
**Hollfeld & Co., R., 61 Car-**  
**roll (Leather) .....AA**  
**N. J.—Lockport**  
 Empire Mfg. Co. (Rubber-  
 lined Cotton; Fire; Gar-  
 den; Mill; Steam; Linen) .....B  
**New York City**  
 Buckley Rubber Co., J. W.,  
 69 Warren (Garden; Mill;  
 Steam, wound with Steel  
 Wire) .....B  
 Empire Rubber Mfg. Co.,  
 88 Reade (Air Brake;  
 Cotton; Rubber; Rubber-  
 lined Cotton; Fire; Gar-  
 den; Mill; Steam; Un-  
 lined Linen; Brewers';  
 Engine; Suction; Wire  
 Wound) .....AA  
 Eureka Fire Hose Co., 18  
 Barclay (Cotton; Linen;  
 Fire; Garden; Mill;  
 Steam; Linen; Rubber  
 Lined) .....AAA  
 Fabric Fire Hose Co., 68

**HOSE (Con.)**  
 Murray (Fire; Linen;  
 Suction) .....O  
 Goodyear Rubber Co. (Rub-  
 ber; Suction) .....AAAA  
 Gutta Percha & Rubber  
 Mfg. Co., 126 Duane  
 (Air Brake; Cotton;  
 Fire; Garden; Mill;  
 Steam; Brewers'; Linen;  
 Oil; Rubber; Steam;  
 Suction) .....AAAA  
 Manhattan Rubber Mfg.  
 Co., 18 Vesey (Cotton;  
 Fire; Garden; Mill;  
 Steam; Linen) .....AA  
 Mineralized Rubber Co., 18  
 Cliff (Cotton; Fire;  
 Linen; Rubber Lined).....A  
 Neumann & Co., R.  
 (Leather) .....A  
 New York Belting &  
 Packing Co. (Ltd.), 23  
 Park Pl. (Air Brake;  
 Cotton; Fire; Garden;  
 Mill; Steam; Antiseptic  
 Cable; Linen; Rubber;  
 Suction; Test) .....AAAA  
 New York Rubber Co., 84  
 Reade (Air Brake; Gar-  
 den; Mill; Steam) .....AA  
 Pedrick & Ayer Co. (Air  
 Tool) .....A  
 Peerless Rubber Mfg. Co.,  
 16 Warren (Air Brake)  
 .....AA  
 Rand Drill Co. (Air Tool;  
 Steam) .....AAAA  
 Rees' Sons, Hans (Leather)  
 .....AA  
 Schrader & Son, 32 Rose ..  
 (Divers) .....A  
 United States Leather Co.  
 (Leather) .....AAAA  
 Waterbury Rubber Mfg. Co.,  
 49 Warren (Wire Bound;  
 Air Brake; Corrugated  
 Tender; Grip Steel Ar-  
 mored; Rubber Lined Cot-  
 ton; Fire; Garden; Mill  
 Steam) .....D  
 Young Co., Richard  
 (Leather) .....AA  
**OHIO—Akron**  
 Diamond Rubber Co. (Air  
 Brake; Corrugated Ten-  
 der; Fire; Garden; Mill;  
 Steam) .....AA  
 Goodrich Co., B. F. (Air  
 Brake; Corrugated Ten-  
 der; Fire; Garden; Mill;  
 Steam; Rubber for Steam  
 Drills) .....AAAA  
 Whitman & Barnes Mfg. Co.  
 (Air Brake; Rubber for  
 Steam Drills) .....AAAA  
**OHIO—Cincinnati**  
 Nuhling, Chas., 907 Wal-  
 nut (Fire) .....H  
 Trautman & Co., C.  
 (Leather) .....A  
**OHIO—Cleveland**  
 Mechanical Rubber Co. (Air  
 Brake; Fire; Garden;  
 Mill; Steam; Acid; Cot-  
 ton; Rubber) .....AAAA  
**OHIO—Youngstown**  
 Republic Rubber Co. (Fire;  
 Garden; Mill; Steam) AA  
**PA.—Erie**  
 Continental Rubber Wks.  
 (Garden; Mill; Steam;  
 Rubber for Steam Drills)  
 .....A  
**PA.—Jeannette**  
 Pennsylvania Rubber Co.  
 (Air Brake; Fire; Rubber  
 Garden; Mill; Steam) AA  
**R. I.—Bristol**  
 National India Rubber Co.  
 (Rubber) .....AAAA  
**R. I.—Providence**  
 Amer. Multiple Fabric Co.  
 (Fire; Hydraulic) .....A

## HOSE SUP- PORTERS

See Suspenders

## HOSIERY

ALA.—Sylacauga

**HOSIERY (Con.)**

Mathews, T. J. (Marble City  
Hosiery Mill) (Cotton  
Hose; Half Hose) .....C

**ALA.—Talladega**  
Talladega Hosiery Mills  
(Cotton Hose; Half Hose) C

**ALA.—Tuscaloosa**  
Rosman Hosiery Mills ....C

**CONN.—Bridgeport**  
Crawfield Rubber Co.  
(Stockinets) .....A

**CONN.—Bristol**  
Birge Sons Co., N. L. (Cot-  
ton; Wool; Merino) ....B

**CONN.—Derby**  
Allig. A. H. & C. B. (Wor-  
sted Half Hose) .....AA

**CONN.—Hartford**  
Plaisted & Co., C. C. (Bicy-  
cle; Golf) .....F

**CONN.—New Britain**  
Amer. Hosiery Co. (Cotton;  
Woolen; Merino; Silk Full  
Fashioned) .....AAAA

New Britain Knitting Co. A

**GA.—Athens**  
Stand. Mfg. Co. (Cotton) D

**GA.—Columbus**  
Georgia Mfg. Co. (Cotton) B

**GA.—Graniteville**  
Graniteville Hosiery Mills  
(Cotton) .....D

**GA.—Lafayette**  
Elizabeth Hosiery Mills  
(Women's Cotton) .....D

**GA.—Macon**  
Bibb Mfg. Co. ....AAAA

Macon Knitting Co.  
(Cotton) .....AAAA

**GA.—Marietta**  
Marietta Knitting Co. ....B

**GA.—Penfield**  
Penfield Hosiery Mills ...D

**GA.—Rossville**  
Richmond Hosiery Mills  
(Cotton; Fancy; Lisle) D

**GA.—Union Point**  
Union Mfg. Co. ....D

**ILL.—Chicago**  
Bliss, Fabryan & Co. (Com.)  
AAAA

Common Sense Truss Co.  
(Surgical Elastic) .....D

Deubbaum, Albert (Golf;  
Bicycle) .....F

Lorenz, Rich. (Bicycle) ...D

Paramount Knitting Co.  
(Cotton Seamless) .....B

Sharp & Smith (Cotton; Silk  
Elastic) .....B

Shaw & Co., T. A. (Com.)  
AAA

Strauss-Cahn Knitting Co.  
(Worsted; Silk; Merino;  
Cotton) .....C

Truax Greene & Co., 42  
Wab. Av. (Elastic Stock-  
ings) .....A

**ILL.—Rockford**  
Burson Knitting Co.  
(Cotton) .....A

Forest City Knitting Co.  
(Cotton) .....B

Nelson Knitting Co. (Cot-  
ton) .....A

Rockford Mitten & Hosiery  
Co. ....B

**IND.—Fort Wayne**  
Wayne Knitting Mills (Cot-  
ton; Lisle Thread) ....A

**IND.—Michigan City**  
Lakeside Knitting Co.  
(Men's) .....C

**IND.—New Albany**  
New Albany Hosiery Mills B

**KY.—Paducah**  
Alden Knitting Mills ....B

**MD.—Frederick**  
Union Mfg. Co. (Knit Cot-  
ton; Lisle; Wool; Merino)  
A

**MD.—Hagerstown**  
Blue Ridge Knitting Co.  
(Cotton Seamless Hosiery;  
Half Hose) .....C

Windsor Knitting Mills  
(Seamless) .....C

**MASS.—Boston**  
Bliss, Fabryan & Co. (Com.)  
AAAA

Hub Hosiery Mills (Infants'  
Cashmere) .....E

**HOSIERY (Con.)**

Joy, Langdon & Co. (Com.)  
AAAA

Kingston Knitting Co. ...C

White & Co., C. W. (Rub-  
ber Elastic) .....A

**MASS.—Florence**  
Nouotuck Silk Co. (Silk)  
AAA

**MASS.—Highlandville**  
Moseley, Wm. (Surg. Elas-  
tic) .....E

**MASS.—Ipswich**  
Ipswich Mill .....AA

**MASS.—Lowell**  
Appleton Co. (Cotton) AA

Brown Hosiery Co. (Child-  
ren's Cashmere; Cotton  
Hose) .....E

Greenwood & Payton Co. B

Hooper Knitting Co. (Cot-  
ton; Woolen Seamless) B

Lawrence Mfg. Co. (Knit  
Cotton) .....AAAA

Lowell Hosiery Co. (Plain;  
Fancy) .....A

Shaw Stocking Co. (Cotton;  
Woolen; Merino) .....C

**MASS.—New Bedford**  
Cornell Stocking Corp. ...C

**MASS.—Northampton**  
McCallum Hosiery Co. (Silk)  
....C

**MASS.—Worcester**  
Aetna Knitting Co. (Wool-  
en; Merino) .....E

Scott, L. H. (Elastic Silk  
Stockings) .....F

**MICH.—Belding**  
Belding Bros. & Co. (Silk)  
AAAA

**MICH.—Clare**  
Wolsey, W. (Merino) ...D

**MICH.—Detroit**  
Angora Knitting Co. ....E

Chicago Hosiery Co. (Lum-  
bermans Socks) .....B

Detroit Alaska Knitting  
Mills (Plush Cushion Lined  
Socks) .....C

Ryan Bros. Knitting Co.  
(Cotton; Woolen) .....C

**MICH.—Muskegon**  
Amazon Knitting Co. ....A

**MICH.—Pontiac**  
Pontiac Knitting Co. ...C

**MICH.—Rochester**  
Western Knitting Mills  
(Lumbermen's Socks) A

**MICH.—St. Joseph**  
Cooper, Wells & Co. (Cot-  
ton; Wool; Merino) ...A

**MINN.—Duluth**  
Nelson Bros. ....C

**MINN.—Mankato**  
Mankato Mills Co. ....A

**MINN.—Minneapolis**  
Minneapolis Knitting Wks.  
B

**MINN.—Rushford**  
Rushford Knitting Mills  
(Wool) .....E

**MISS.—Columbus**  
Columbus Hosiery Mills ..B

**MO.—St. Louis**  
Posnansky Hosiery Co., M.  
(Woolen) .....D

Premier Hosiery Mills ...D

Willbrandt Surg. Mfg. Co.  
(Elastic) .....B

**N. H.—Ashland**  
Ashland Knitting Co. ...D

**N. H.—Belmont**  
Gilmanton Mills ....B

**N. H.—Canterbury**  
Shaker Knitting Co.  
(Bicycle) .....C

**N. H.—Franklin Mills**  
Suloway Mills (Seamless  
Cotton; Woolen) .....A

**N. H.—Hillsborough Bridge**  
Confoocook Mills Co. ....A

**N. H.—Laconia**  
Busiel & Co., J. W. ....AA

Pitman Mfg. Co. (Cotton;  
Worsted) .....B

Rowe Co., F. B. ....D

Union Hosiery Co. ....D

**N. H.—Lakeport**  
Craw & Son, Wm. ....B

Wood & Co., H. H. (Wool-  
en) .....B

**N. H.—Manchester**  
Bicycle Hosiery Co.

**HOSIERY (Con.)**

(Bicycle) ..... D  
**N. H.—Tilton**  
 Tilton, G. H. .... A  
**N. J.—Riverside**  
 Dick, Christian (Cotton;  
 Wool Seamless) ..... C  
 Taubel, Wm. F. (Cotton;  
 Wool; Lisle Seamless) . B  
**N. J.—Salem**  
 Sheppard, Jno. P. (Lisle) C  
**N. Y.—Brooklyn**  
 Standard Knitting Mills  
 (Golf) ..... D  
 New York City  
 Abegg & Rusch (Import.)  
 AAAAA  
 Amer. Hosiery Co. .... AAAAA  
 Auffmordt & Co., C. A.  
 (Com.; Import.) .... AAAAA  
 Bliss, Fabyan & Co. (Com.  
 Cotton) ..... AAAAA  
 Boessneck, Broesel & Co.  
 (Com.) ..... AAAAA  
 Caesar & Co., H. A. (Com.)  
 AAA  
 Chaffee, Moorehouse & Co.  
 (Com.) ..... B  
 Columbia Hosiery Co. (Cot-  
 ton; Wool; Silk) ..... C  
 Conover Co., C. E. (Com.) D  
 Eldredge, Lewis & Co.  
 (Com.) ..... AAAAA  
 Farber & Co., Fred. M.  
 (Com.) ..... C  
 Farber, Drewry & Co., H. J.  
 (Com.) ..... C  
 Goodman Bros. (Import) B  
 Gutman Bros. (Import) AA  
 Haydock, Jno. (Import) . A  
 Heinze & Co., Otto (Import)  
 AAAAA  
 Hinchman, Vezin & Co.  
 (Mfrs. Agts.) ..... B  
 Joy, Langdon & Co. (Com.)  
 AAAAA  
 Kahn & Frank (Import.) . A  
 Lamson, Roger & Co. (Com.)  
 A  
 Lawrence & Co. (Com.)  
 AAAAA  
 Levin, Wm., 161 Bowery  
 (Baseball; Bicycle; Foot-  
 ball) ..... F  
 Lippman, Israel (Bicycle;  
 Golf) ..... D  
 Mayer, M. & C. (Import.) A  
 Oelberman, Dommerich &  
 Co. (Com.) ..... AAAAA  
 Richardson Silk Co. (Silk) A  
 Robertson & Bruhn (Mfrs.  
 Agts.) ..... B  
 Schachne & Bro., L. (Im-  
 port.) ..... B  
 Scheitlin & Co., Edw. (Im-  
 port.) ..... A  
 Schiff & Co., E. (Import.)  
 A  
 Semel & Co., J. H. (Import.)  
 A  
 Schreve & Adams (Import.)  
 A  
 Stokes, Cromie & Co. (Com.)  
 B  
 Sudbury & Co., E. B.  
 (Import.) ..... A  
 Townsend & Co., E. M.  
 (Com.) ..... A  
 Verdier & Hardy (Com.; Im-  
 port) ..... A  
 Watson, Porter, Giles &  
 Co. (Com.) ..... A  
 Weld, Colburn & Wilckens  
 (Import.) ..... A  
 Wesendonck, Lorentz & Co.  
 (Com.) ..... A  
 Wilmerding & Blisset (Com.)  
 AA  
**N. Y.—Oneida**  
 Oneida Hosiery Co. (Wom-  
 en's; Children's Seam-  
 less) ..... D  
**N. Y.—Troy**  
 Rob Roy Hosiery Co. .... D  
**N. Y.—Utica**  
 Albin Knit Goods Co. (Golf)  
 D  
 Argo Knitting Mill (Infants)  
 C  
 Olympian Knit Goods Co.  
 (Bicycle) ..... C  
 Weaver, Van E. (Golf) .. D  
**N. C.—Albermarle**  
 Windmere Knitting Mills  
 (Cotton) ..... C

**HOSIERY (Con.)**

**N. C.—Burlington**  
 Burlington Hosiery Mills D  
**N. C.—Chapel Hill**  
 Blanch Hosiery Mills Co. D  
**N. C.—Durham**  
 Durham Hosiery Mills  
 (Seamless Fleeced Cotton)  
 B  
**N. C.—Elizabeth City**  
 Elizabeth City Hosiery Co.  
 (Cotton Seamless) ..... D  
**N. C.—Greenville**  
 Greenville Knitting Mills D  
**N. C.—Kernersville**  
 Davis-Crews Knitting Mill C  
 Lowrey Son. & Co. .... D  
 Victory Hosiery Mills .. D  
**N. C.—Kinston**  
 Orion Knitting Mills (Cotton  
 Seamless) ..... C  
**N. C.—Littleton**  
 Littleton Hosiery Mills ... D  
**N. C.—Newton**  
 Newton Hosiery Mills  
 (Needle Ribbed Blue;  
 Red; Tan) ..... D  
**N. C.—Raleigh**  
 Martin Hosiery Mill ..... C  
 Raleigh Hosiery Co. .... C  
**N. C.—Randleman**  
 Randleman Hosiery Mills  
 (Misses'; Children's  
 Ribbed) ..... C  
**N. C.—Scotland Neck**  
 Crescent Hosiery Co. .... D  
 Scotland Neck Cotton Mills  
 (Knit Cotton) ..... B  
**N. C.—Tarboro**  
 Runnymede Hosiery Mills  
 (Cotton) ..... D  
**N. C.—Valdese**  
 Waldensian Hosiery Mills  
 (Cotton) ..... D  
**N. C.—Winston-Salem**  
 Hanes, J. W. (Fine; Fancy)  
 B  
**OHIO—Cincinnati**  
 Bacarach & Loeb (Seamless)  
 C  
 Dormer Bros. Co. (Seam-  
 less Woolen) ..... C  
 Fairmount Woolen Mills ... A  
 Hutzler, Hy. (Woolen) ... C  
**OHIO—Clark**  
 Wuest, Edw. (All Wool) D  
**OHIO—Cleveland**  
 Friedman & Co., H. .... B  
 Hessler Truss Co., E. M.  
 (Elastic) ..... D  
**OHIO—Columbus**  
 Armbruster, Wm. (Cotton;  
 Woolen Seamless) ..... B  
**OHIO—Dresden**  
 Kapner Bros. & Duga Ho-  
 siery Co. (Cotton; Wool-  
 en) ..... B  
**OHIO—Elyria**  
 Fay Stocking Co. (Cotton;  
 Merino) ..... C  
**OHIO—New Richmond**  
 Dormer Bros. Co. (Woolen)  
 B  
**OHIO—Toledo**  
 Roth & Co., Jos. .... B  
**PA.—Allentown**  
 Gabriel's Sons, Hy. (Seam-  
 less) ..... D  
 Novelty Hosiery Co. .... C  
**PA.—Bath**  
 Odenwelder & Co. (Seam-  
 less; Ribbed; Flat) .... D  
**PA.—Bethlehem**  
 Halcyon Knitting Mills Co.  
 (Cotton) ..... C  
**PA.—Chambersburg**  
 Chambersburg Hosiery Co.  
 (Men's Black; Fancy) D  
**PA.—Clifton Heights**  
 Columbus Knitting Mills  
 (Fine Gauze) ..... C  
**PA.—Collegeville**  
 Todd & Spooner (Cotton  
 Seamless) ..... D  
**PA.—Coopersburg**  
 Bergey & Co., M. B.  
 (Cotton) ..... D  
**PA.—Danville**  
 Danville Knitting Mills Co.  
 (Cotton Knit) ..... A  
**PA.—Easton**  
 Chipman's Sons, Chas. (Cot-  
 ton Seamless; Cut) ..... C

**HOSIERY (Con.)**

**PA.—Elizabethville**  
Enterprise Hosiery Mills  
(Women's Cotton) ....D  
**PA.—Fleetwood**  
Kelehner, D. F. ....C  
Kutz Bros. (Cotton) ....D  
Medeira & Wanner ....C  
**PA.—Grill**  
Yocom, Harry Y. (Cotton) D  
**PA.—Harrisburg**  
Harrisburg Knitting Mill  
(Cotton) .....B  
**PA.—Hawley**  
U. S. Knitting Mill Co.  
(Golf) .....D  
**PA.—Highspire**  
Good, Martin .....B  
**PA.—Lewistown**  
Musser & Sons, Joseph  
(Knit Wool) .....D  
**PA.—Lewiston**  
Lewiston Knitting Mill  
(Seamless Worsted) ...B  
**PA.—Lykens**  
Duncan & Co., Walter ....C  
Fisher & Jones (Plain;  
Fancy) .....C  
Keen & Kniley (Cotton) ..D  
**PA.—Mechanicsburg**  
Black Rock Knitting Co. D  
**PA.—Middletown**  
Romberger, H. A. (Cotton)  
A  
**PA.—Mifflintown**  
Karl & Schott (Women's) C  
**PA.—Milroy**  
Thompson Bros. (Seamless)  
B  
**PA.—Milton**  
West Branch Hosiery Co.  
(Full Fashioned; Seam-  
less) .....D  
**PA.—Mohrsville**  
Wyomissing Hosiery Co.  
(Men's; Women's) ....B  
**PA.—Nanticoke**  
Black Diamond Knitting  
Mills .....D  
**PA.—Nazareth**  
Kraemer, Hy. (Cotton Full  
Fashioned; Seamless) ..B  
**PA.—New Cumberland**  
New Cumberland Knitting  
Co. (Cotton Seamless) C  
**PA.—Newport**  
Romberger, H. A. (Cotton)  
A  
**PA.—Newville**  
Newville Knitting Co. (Cot-  
ton; Lisle) .....C  
**PA.—Norristown**  
Keystone Knitting Mills Co.  
(Cotton Seamless) .....D  
Norristown Hosiery Co.  
(Cotton Seamless) ....A  
Rambo & Reger (Cotton;  
Lisle Thread) .....A  
Roop & Baker .....D  
Taubel, Louis E. (Seam-  
less Cotton) .....B  
**PA.—Philadelphia**  
Aberle & Co., Hy. C. ....A  
Allen, J. & B. (Cut; Seam-  
less Woolen) .....AA  
Ballantyne & Sons, Jno. (Cotton)  
.....B  
Bennett, Wm. (Cotton Seam-  
less; Cut) .....B  
Berlitzheimer, I. & D. T.  
(Children's Seamless Cot-  
ton Ribbed) .....B  
Beswick, Samuel (Wool;  
Merino) .....C  
Blood & Co., Jno. (Cotton  
Seamless; Cut) .....A  
Boyle & Bro., A. (Child-  
ren's; Women's; Men's  
Seamless) .....C  
Braun, H. ....B  
Brown & Hunt (Women's;  
Misses' Fine Seamless) O  
Brown-Aberle Co. ....AA  
Brown & Son, Thos. E.  
(Seamless) .....B  
Brown Knitting Co. (Full  
Fashioned) .....B  
Buck Hosiery Co., Thos.  
(Cotton) .....A  
Charter-Hosiery Co. (Fancy  
Seamless; Cut) .....D  
Chester Hosiery Co., E. G.  
(Fine Gauze Cotton) ....A  
Credential Mfg. Co. (Cotton  
Seamless; Cut) .....A

**HOSIERY (Con.)**

Crown Knitting Co. (Seam-  
less Cotton) .....C  
Dalzell, Isaac .....C  
Ellis & Co., W. G. (Cotton;  
Woolen; Worsted Seam-  
less) .....C  
Feld & Co. (Golf; Bicycle,  
etc.) .....C  
Ferguson & Co., S. B. (Miss-  
es'; Children's Cotton  
Seamless) .....C  
Flavell & Bro., G. W., 1005  
Spring Garden (Surg. Elas-  
tic) .....A  
Frankford Hosiery Mills  
(Seamless Cotton) ....B  
German-Amer. Hosiery Co.  
(Cotton) .....C  
Gutsche, R. (Bicycle) ....C  
Hanifen & Co., J. E. ....A  
Harold Hosiery Co. ....C  
Holmes, Jno. G., 111 So.  
8th (Elastic Stockings) D  
Holmes, Saml. M. (Elastic) F  
Horn & Bro., W. H., 451  
No. 3rd (Surgical Elastic)  
B  
Hygienic Fleeced Under-  
wear Co. (Plain; Fancy) A  
Isaac, Dalzell .....C  
Kendrick, Jas. R. (Elastic)  
E  
Koch & Co., Justus .....B  
Lanbach, Milton B. (Child-  
ren's Seamless) .....C  
Lee Hosiery Mills (Men's;  
Infants' Cotton) .....C  
Marion Hosiery Mills (Cot-  
ton Seamless) .....B  
Mascot Hosiery Co. (Wom-  
en's Seamless) .....B  
Osborne, Owen (Woolen) A  
Osborne, Wm. (Athletic) D  
Palmyra Hosiery Mill ....C  
Peberdy & Sons, Geo. (Cot-  
ton; Woolen Seamless;  
Cut) .....B  
Philadelphia Knitting Mills  
Co. (Silk; Lisle Thread;  
Cotton) .....A  
Pilling & Madeley (Men's;  
Boys' Seamless) .....B  
Powell & Bro. (Cotton;  
Woolen; Worsted) ....AAA  
Rosenau & Loeb (Seamless)  
B  
Saxony Hosiery Co. (Plain;  
Fancy) .....B  
Saxony Knitting Mills ...B  
Short, W. F. (Cotton; Wool-  
en) .....C  
Smalley, H. R. ....B  
Sullivan & Co., Wm. (Cot-  
ton; Woolen) .....B  
Sutro & Son, E. (Infants';  
Women's; Men's) .....B  
Thompson, Foust & Co.  
(Com.) .....B  
Threapleton, Wm. B. (Seam-  
less Cotton) .....C  
Townsend & Co., E. M.  
(Com.) .....A  
Weber, Chas. (Ladies' Seam-  
less) .....C  
Weber & Co., Louis (Seam-  
less Cotton; Lace) ....C  
Wilson, Wallace (Cotton;  
Cashmere; Silk Infants') C  
Wilson & Co., J. Scott ...C  
Worster & Sons, Jno. H. .D  
**PA.—Plymouth**  
West, Ambrose (Fancy) ..B  
**PA.—Pottstown**  
Searles Knitting Co. (Cot-  
ton; Wool) .....D  
**PA.—Pottsville**  
Adcock & Bro., J. C. (Men's;  
Women's Cotton) .....C  
Reber, Jno. (Cotton) ....C  
**PA.—Reading**  
Bobst & Son, W. J. (Full  
Seamless Cotton) .....D  
East Penn. Hosiery Co.  
(Men's Seamless) .....C  
Guenther, Geo. G. (Wom-  
en's; Children's; Men's)  
D  
Hahn & Wilson .....D  
Hampden Knitting Mills Co.  
(Knit) .....C  
Hawk Knitting Co. (Cotton  
Seamless) .....C  
Hendel, W. B. (Seamless  
Cotton) .....C

**HOSIERY (Con.)**

Kauffman, Jas. K. (Men's Cotton) .....D  
 Knersten & Rick (Mfg. Seamless) .....D  
 Nolde & Horst Co. (Cotton) .....A  
 Penn Knitting Mills of Reading (Men's; Women's) .....C  
 Reading Hosiery Co. (Men's; Women's Cotton) .....C  
 Reading Knitting Mills (Cotton Seamless) .....C  
 Shantz Knitting Co., A. C. (Seamless) .....D  
 Weber, Albert (Cotton Seamless) .....D  
**PA.—Ringtown**  
 Ringtown Knitting Co. (Men's) .....B  
**PA.—Ryersford**  
 Emmers & Co., E. (Seamless Cotton) .....AA  
 Urner & Co., W. C. (Full Fashioned; Seamless) ..B  
**PA.—Shamokin**  
 Forrey & Son, I. W. (Cotton Seamless) .....C  
**PA.—Shippensburg**  
 Shippensburg Hosiery Co. C  
**PA.—Souderton**  
 Bergey & Co., M. B. (Cotton Seamless) .....D  
**PA.—South Bethlehem**  
 Excelsior Knitting Mills .D  
**PA.—Towanda**  
 Young, W. J. (Women's Laced) .....D  
**PA.—Watsonstown**  
 Watsonstown Knitting Co. (Cotton) .....D  
**PA.—Wisconsin**  
 Mossop & Co., Isaac (Cotton Seamless) .....B  
**PA.—Wilkesbarre**  
 Kingston Knitting Mills (Cotton) .....A  
 Wilkesbarre Knitting Mills Co. (Women's; Men's; Misses; Infants') .....B  
**PA.—Williamstown**  
 Durbin & Sons, J. W. ....B  
**PA.—York**  
 Black & Sons Co., Jos. (Seamless) .....A  
 York Knitting Mills Co. (Cotton) .....C  
**B. I.—Pawtucket**  
 Blackstone Stocking Co. (Men's; Women's; Children's) .....A  
 Boyden & Son, Geo. E. (Seamless Cashmere) ..B  
**B. I.—Thornton**  
 British Hosiery Co. (Cotton; Cashmere) .....A  
**S. C.—Columbia**  
 Columbia Hosiery Mills (Cotton Knit) .....B  
**S. C.—Cross Hill**  
 Cross Hill Oil & Hosiery Co. C  
**S. C.—Jonesville**  
 Jonesville Knitting Mills (Cotton Knit) .....A  
**S. C.—Landrum**  
 Blue Ridge Hosiery Mills (Cotton Knit) .....D  
**S. C.—Newberry**  
 Newberry Knitting Mill ..C  
**S. C.—Pelham**  
 Pelham Mills (Knit Cotton) A  
**S. C.—Union**  
 Excelsior Knitting Mills (Cotton Seamless Knit) C  
**S. C.—Williston**  
 Rosemary Knitting Mills D  
**TENN.—Nashville**  
 Nashville Hosiery Mills (Children's Ribbed Cotton) B  
 Rock City Hosiery Mills (Misses' Cotton; Worsted Hose) .....A  
**TENN.—Sweetwater**  
 Mascot Knitting Mills (Cotton) .....D  
**VT.—Bennington**  
 Scott Stocking Mills (Cotton; Wool; Merino Half Hose) .....B  
**VT.—Pownal**  
 Wright's Health Underwear

**HOSIERY (Con.)**

Co. (Woolen Knit Stockinets) .....B  
**WIS.—Berlin**  
 Russell Frank Glove Co. (Sheepskin Socks) ....D  
**WIS.—Kenosha**  
 Chicago - Rockford Hosiery Co. (Pure Wool; Worsted; Cotton Seamless) .....AA  
**WIS.—La Crosse**  
 La Crosse Knitting Wks. (Knit Seamless Socks) ..C  
**WIS.—Milwaukee**  
 Kalamazoo Knitting Co. (Knit Woolen; Merino Seamless) .....A  
**WIS.—Ripton**  
 Ripton Knitting Wks. (Knit) .....B

**HOSPITAL FURNITURE**

See Furniture

**HOUNDS; GEAR**

See Woodwork; Carriage.

**HOUSES**

See also Greenhouses

**ILL.—Chicago**  
 Barbee Wire & Iron Wks. (Summer; Poultry) .....B  
 Saladin Pneumatic Malting Const. Co. (Malt) .....A  
**MICH.—Detroit**  
 Amos & Co., Chas., 94 W. Larned (Portable) .....F  
**MICH.—Grand Rapids**  
 Iron Cottage Co. (Portable) X  
**MICH.—Saginaw**  
 Mershon & Morley Co. (Portable) .....D  
**MO.—St. Louis**  
 Ludlow-Saylor Wire Co. (Wire Summer) .....AA  
**New York City**  
 Abercrombie & Fitch, 314 Bway. (Portable) .....B  
 Deeley & Co., Robert (Light) .....AA  
 Ducker Co., 277 Bway. (Portable) .....X  
 Estey Wire Wks. Co. (Wire Summer) .....D  
 Howard & Morse (Summer) D  
 Squires & Son, Henry C., 20 Cortlandt (Portable) ..B  
 Staubach, B. (Portable Smoke) .....A  
 Westervelt, A. B. & W. T. (Summer) .....B  
**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred. J. (Summer) .....B  
**PA.—Pittsburg**  
 Ritter-Conly Mfg. Co. (Iron Engine) .....AAA  
**WIS.—Milwaukee**  
 Gallant-Henning Pneumatic Malt Drum Mfg. Co. (Malt) A  
 Phoenix Mfg. Co. (Portable) F

**HOUSINGS**

**DEL.—Wilmington**  
 Lobdell Car Wheel Co. (Roll) .....AAAA  
**ILL.—Chicago**  
 Ortmayer & Son, A. (Horse Harness) ....AA  
**IND.—South Bend**  
 Studebaker Bros. Mfg. Co. (Horse Harness) ..AAAA  
**N. J.—Newark**  
 Peters Harness & Saddlery Co. (Horse Harness) ....C  
 Rubber & Celluloid Harness Trimmings Co. (Horse Harness) .....AA  
**OHIO—Canton**  
 Gilliam Mfg. Co. (Horse Harness) .....A  
**OHIO—New Berlin**  
 Hoover, W. H. (Horse Harness) .....A

**HOUSINGS (Con.)**

PA.—Pittsburg  
Mesta Machine Co. (Roll)  
AAAA

**HUBS**

See also Woodwork; Carriage

ILL.—Chicago  
Sturges & Brown Mfg. Co.  
(Bicycle) .....A  
OHIO—Cleveland  
Federal Mfg. Co. (Bicycle;  
Wire Wheel) .....AAAA

**HULLERS**

See also Agr. Implements &  
Machinery

CONN.—Thompsonville  
Bushnell Press Co., G. H.  
(Cotton Seed) .....A  
GA.—Atlanta  
Van Winkle Gin & Machine  
Wks., E. (Cotton Seed)  
AAA

GA.—Dalton  
Sanders Mfg. Co. (Pea;  
Bean) .....X  
ILL.—Moline  
Barnard & Leas Mfg. Co.  
(Rice) .....AA

IND.—Columbus  
Reeves & Co. (Clover Feed-  
er; Blower) .....AAAA  
IND.—Indianapolis  
Nordyke & Marmon Co.  
(Corn) .....AAAA

IND.—Richmond  
Gaar, Scott & Co. (Clover)  
AAAA  
Robinson & Co. (Clover) AA  
IND.—South Bend  
Birdsall Mfg. Co. (Clover)  
AA

MICH.—Battle Creek  
Advance Thresher Co.  
(Clover) .....AAAA  
Nichols & Shepard Co.  
(Clover) .....AAAA  
MICH.—Port Huron  
Port Huron Engine &  
Thresher Co. (Clover) AAA

MO.—St. Louis  
Fritz, Geo. J. (Cotton Seed)  
B

N. J.—Hackettstown  
Bowers & Son, R. Q. (Clover)  
D

N. Y.—Buffalo  
Buffalo-Pitts Co. (Clover)  
AAAA  
Noye Mfg. Co., John T.  
(Buckwheat) .....X  
Squier Mfg. Co., Geo. L.  
(Coffee; Rice) .....AAA

N. Y.—Central Bridge  
Campbell Co., S. K.  
(Clover) .....D  
N. Y.—Cobleskill  
Harder Mfg. Co. (Clover)  
B

N. Y.—Groton  
Groton Bridge Co. (Clover)  
A

N. Y.—Lockport  
McLean, John (Peanut) ..D  
N. Y.—Niagara Falls  
Chisholm Co., Scott (Pea;  
Bean) .....A  
N. Y.—Scheneectady  
Westinghouse Co. (Clover)  
AA

N. Y.—Syracuse  
Boomer & Boschert Press  
Co. (Cotton Seed) .....A  
Engelberg Huller Co. (Cof-  
fee; Rice) .....D  
N. C.—Winston Salem  
Salem Iron Wks. (Coffee).A

OHIO—Canton  
Aultman Co. (Clover) .....AAAA  
OHIO—Cincinnati  
Blymer Iron Wks. Co.  
(Coffee; Rice) .....B

OHIO—Mansfield  
Aultman & Taylor Mach Co.  
(Clover) .....AAAA  
OHIO—Marion  
Huber Mfg. Co. (Pea; Bean)  
AAA

**HULLERS (Con.)**

OHIO—Newark  
Newark Machine Co.  
(Clover) .....B

OHIO—Springfield  
Foos Mfg. Co. (Cotton Seed)  
A

PA.—Waynesboro  
Gelser Mfg. Co. (Clover)..  
AAAA

TENN.—Chattanooga  
Chattanooga Implement &  
Mfg. Co. (Pea) .....B  
TENN.—Memphis  
Livermore Fdry. & Machine  
Co. (Cotton Seed) .....A  
VA.—Richmond  
Cardwell Machine Co. (Cot-  
ton Seed) .....A

**HULLS**

ALA.—Jacksonville  
Jacksonville Oil Mill Co.  
(Cotton Seed) .....B  
GA.—Columbus  
Mutual Cotton Oil Co. (Cot-  
ton Seed) .....AAAA

N. J.—Janesville  
Janesville Mfg. Co. (Bicy-  
cle) .....D  
N. Y.—Buffalo  
Kelm, John R. (Bicycle).AA  
New York City  
American Bridge Co. (Steel)  
A

American Cotton Oil Co.  
(Cotton Seed) .....AAAA  
N. Y.—Utica  
Weston-Mott Co. (Bicycle)  
A

OHIO—Marion  
Marion Steam Shovel Co.  
(Dredge) .....AAA  
TEXAS—Taylor  
Taylor Cotton Oil Wks.  
(Cotton Seed) .....B

**HUMIDORS**

ILL.—Chicago  
Brown Specialty Machryl  
Co., Jackson Boul. & Clin-  
ton (for Radiators).....E

**HUSKERS**

See also Pins; Husking Agr.  
Implements

ILL.—Batavia  
Appleton Mfg. Co. (Corn).A  
ILL.—Bradley  
Bradley Mfg. Co., David  
(Corn) .....AAA

ILL.—Harvard  
Hunt, Helm, Ferris & Co.  
(Corn) .....AA  
ILL.—Moline  
Deere & Mansur Co. (Corn;  
& Cornstalk Shredders  
Combined) .....AAAA

ILL.—Sterling  
Keystone Co. (Corn) ....AA  
IND.—New Castle  
Safety Thresher Co. (Corn)  
A

MD.—Baltimore  
Sinclair-Scott Co. (Canned  
Corn) .....E  
MICH.—Battle Creek  
Advance Thresher Co.  
(Corn) .....AAAA  
N. Y.—Auburn  
New Birdsall Co. (Corn).AA

New York City  
Graham & Co., John H., 118  
Chambers .....AA  
OHIO—Cleveland  
Cleveland Lock Co.....D  
VT.—Wallingford  
Wallingford Mfg. Co. (Corn)  
X

WIS.—Marinette  
Stevens Co., A. W. (Corn)  
AA  
WIS.—Milwaukee  
Milwaukee Hay Tool Co.  
(Corn) .....A

**HYDROGEN**

See also Gas

**HYDROGEN (Con.)** ..  
 New York City  
 Williamson & Co., D. D., 14  
 Dey (Peroxide of) ....B

## HYDRANTS

**ALA.—Birmingham**  
 Dimmick Pipe Co. (Fire) AA

**CAL.—Los Angeles**  
 Lacy Mfg. Co. ....AA  
**CAL.—San Francisco**  
 Garrett & Co., W. T. (Inc.)  
 Fremont & Natoma (Fire) AA

**CONN.—Hartford**  
 Pratt & Cady Co. (Fire) AAA

**ILL.—Chicago**  
 Illinois Malleable Iron Co.,  
 30 W Monroe (Yard) AAAA

**ILL.—Edwardsville**  
 Edwardsville Brass Co.  
 (Yard; Fire) .....B

**ILL.—Kankakee**  
 Beaumont, Richard (Fire).D

**IND.—Indianapolis**  
 Dean Bros. Steam Pump  
 Works (Fire) .....AA

**IND.—Kendallville**  
 Flint & Walling Mfg. Co.  
 (Yard) .....AA

**MASS.—Boston**  
 Coffin Valve Co. (Fire).D  
 Walworth Mfg. Co., 132  
 Federal (Fire) ....AAAA

**MASS.—Florence**  
 Norwood Engineering Co.  
 (Fire) .....B

**MASS.—Holyoke**  
 Holyoke Valve & Hydrant  
 Co. ....B

**MASS.—Indian Orchard**  
 Chapman Valve Mfg. Co.  
 (Fire) .....AAA

**MICH.—Detroit**  
 Stephens - Roe Mfg. Co.  
 (Fire) .....A

**MINN.—St. Paul**  
 South Park Fdy. & Mach.  
 Co. (Fire) .....B

**Waterous Engine Works Co.**  
 (Fire) .....B

**MO.—St. Louis**  
 Kupferle, Jno. C. (Fire).AA  
 Nelson Mfg. Co., N. O., 424  
 N. 8th (Yard; Fire).AAA

**Pleuger & Henger Mfg. Co.**  
 11th cor. Hebert (Yard;  
 Street; Fire) .....A

**N. H.—Keene**  
 Humphrey Machine Co. .C

**N. J.—Camden**  
 Camden Iron Wks. (Fire).A

**N. J.—Trenton**  
 Consolidated Rubber Co.  
 (Fire) .....B

**N. Y.—Coxsackie**  
 American Valve Co. (Fire) D

**New York City**  
 Barr Co., Edward (Water-  
 works) .....X

**Colwell Lead Co., 51 Centre**  
 AA

**Douglas, W. & B., 83 John**  
 (Yard) .....A

**Drummond & Co., M. J., 192**  
 B'way (Fire) .....A

**Fairbanks Co., 416 Broome**  
 AAAA

**Fox & Co., John, 253 B'way**  
 (Fire) .....B

**Goulds Mfg. Co., 16 Murray**  
 AAA

**Haydenville Co., 150 Nas-  
 sau** .....A

**International Steam Pump**  
 Co., 114 Liberty ...AAAA

**Kennedy Valve Mfg. Co., 57**  
 Beekman (Fire; Water-  
 works) .....AAA

**McNab & Harlin Mfg. Co.**  
 AAA

**N. Y.—Seneca Falls**  
 Rumsey & Co., Ltd. (Inc.)  
 (Fire; Yard) .....A

**N. Y.—Troy**  
 Ludlow Valve Mfg. Co.  
 (Fire; Yard) .....AAA

**HYDRANTS (Con.)**  
 Rensselaer Mfg. Co. (Fire) C

**N. Y.—Waterford**  
 Eddy Valve Co. (Fire)...AA

**OHIO—Ashland**  
 Myers & Bro., F. E....AAAA

**OHIO—Cincinnati**  
 Bourbon Copper & Brass  
 Wks., 618 E. Front (Fire) A

**OHIO—Salem**  
 Deming Co. ....AA

**PA.—Erie**  
 Hays Mfg. Co. (Yard)...A

**PA.—Philadelphia**  
 Thompson & Co., J., cor.  
 Van Dorn & Sophia (Fire) A

**Wood & Co., R. D., 400**  
 Chestnut (Fire) ...AAAA

**PA.—Reading**  
 Reading Fdy. Co. (Ltd.)  
 (Fire) .....X

**PA.—St. Clair**  
 Quirin & Bro., John (Non-  
 Freezing Street) .....F

**PA.—Sayre**  
 Cayuta Wheel & Fdy. Co.  
 (Fire) .....B

**PA.—Tamaqua**  
 Tamaqua Mfg. Co. (Fire;  
 Yard) .....B

**PA.—Towanda**  
 Frosts' Sons Mfg. Co., J.  
 O. (Fire) .....B

**Loetzer Valve & Mfg. Co.**  
 (Fire) .....X

**PA.—Williamsport**  
 Darling Pump & Mfg. Co.  
 (Ltd.) (Fire) .....B

**R. I.—Pawtucket**  
 Fales & Jenks Machine Co.  
 AAA

**VA.—Lynchburg**  
 Glamorgan Pipe & Fdy. Co.  
 (Fire) .....AA

**GLAMORGAN PIPE & FDY. CO.**  
 (Fire) .....AA

**GLAMORGAN PIPE & FDY. CO.**  
 (Fire) .....AA

**GLAMORGAN PIPE & FDY. CO.**  
 (Fire) .....AA

**GLAMORGAN PIPE & FDY. CO.**  
 (Fire) .....AA

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 (Fire) .....AA

**GLAMORGAN PIPE & FDY. CO.**  
 (Fire) .....AA

**GLAMORGAN PIPE & FDY. CO.**  
 (Fire) .....AA

## HYDROM- ETERS

**ILL.—Chicago**  
 Weiskopf, A. ....E

**MASS.—Boston**  
 American Steam Gauge &  
 Valve Mfg. Co. ....A

**Huddleston, John S.** .....F

**New York City**  
 Bunnell & Co., 20 Park Pl.  
 B

**Hoehn Co., R., 80 Chambers**  
 B

**Tagliabue Mfg. Co., Chas.**  
 J. ....A

**Tagliabue, Guiseppe, 302**  
 Pearl .....B

**Weinhagen, Henry, 22 N.**  
 William .....B

**N. Y.—Rochester**  
 Hohman & Maurer Mfg. Co.  
 B

**Taylor Bros. Co.** .....AA

**N. Y.—Watertown**  
 Watertown Thermometer Co.  
 C

**PA.—Philadelphia**  
 Riggs & Bros. ....B

**Whitall, Tatum & Co.**  
 AAAA

## ICE BOXES

See Refrigerators

## IGNITERS

**IND.—Anderson**  
 Remy Electric Co. (Gas;  
 Gasoline Engine) .....D

**IND.—Indianapolis**  
 Hendricks Novelty Co. (Gas;  
 Gasoline Engine) .....D

**Hercules Electric & Mfg. Co.**  
 (Gas; Gasoline Engine)...D

**IND.—Pendleton**  
 Motsinger Device Mfg. Co.  
 (Gas; Gasoline Engine).D

**IND.—South Bend**  
 Knoblock-Heiderman Mfg.  
 Co. (Gas; Gasoline En-  
 gine) .....D

**MASS.—Brookline**  
 Holtzer-Cabot Electric Co.

**IGNITERS (Con.)**

(Gas; Gasoline Engine).A  
**MASS.—Somerville**  
 American Coil Co. (Gas;  
 Gasoline Engine) .....D  
**N. H.—Lebanon**  
 Kendrick & Davis (Gas;  
 Gasoline Engine) .....A  
**N. Y.—Elbridge**  
 Elbridge Electrical Mfg. Co.  
 (Gas; Gasoline Engine).D  
**New York City**  
 Auto-Igniter Co., 24 West  
 (Gas; Gasoline Engine).F  
 Caesar Bros. (Enameled  
 Match) .....D  
 Roche, Wm., 42 Vesey (Gas;  
 Gasoline Engine) .....D  
 Splittdorf, C. F., 17 Vande-  
 water (Gas; Gasoline En-  
 gine) .....E  
**OHIO—Cincinnati**  
 Carlisle & Finch Co., 229 E.  
 Clifton Av. (Gas; Gasoline  
 Engine) .....B  
**OHIO—Cleveland**  
 Ohio Electric Works, 76 El-  
 len (Gas; Gasoline En-  
 gine) .....D  
**OHIO—Columbus**  
 Columbus Storage Battery  
 Co. (Gas; Gasoline En-  
 gine) .....F  
**OHIO—Dayton**  
 Dayton Electrical Mfg. Co.  
 (Gas; Gasoline Engine).B  
**OHIO—Troy**  
 Hobart Electric Mfg. Co.  
 (Gas; Gasoline Engine).B  
**WIS.—La Crosse**  
 Benton & Son, Thos. P.  
 (Dynamo) .....E

**INCINER-  
ATORS**

**MINN.—Minneapolis**  
 Decarie Mfg. Co. ....B

**INCLINOM-  
ETERS**

**MASS.—Athol**  
 Starrett Co., L. S. ....A  
**New York City**  
 Keuffel & Esser Co., 127  
 Fulton .....AA

**INCUBATORS  
& BROODERS**

**CAL.—Petaluma**  
 Petaluma Incubator Co....B  
**ILL.—Freeport**  
 Shoemaker, C. C. ....D  
**ILL.—Quincy**  
 Ertel Co., Geo. ....A  
 Reliable Incubator & Brood-  
 er Co. ....B  
 Stahl, Geo. H. ....B  
**IOWA—Allerton**  
 Allerton Caponizer Mfg. Co. H  
**IOWA—Des Moines**  
 Des Moines Incubator Co..D  
**N. J.—Bound Brook**  
 Star Incubator & Brooder  
 Co. ....D  
**N. Y.—Buffalo**  
 Cyphers Incubator Co. ...A  
**N. Y.—Ithaca**  
 Cornell Incubator & Mfg.  
 Co. ....B  
**OHIO—Springfield**  
 Buckeye Incubator Co. ...B  
**PA.—Homer City**  
 Prairie State Incubator Co. A  
**PA.—Philadelphia**  
 Boeckel & Co., Wm. (Bacteri-  
 ological) .....X  
**PA.—West Elizabeth**  
 Campbell, J. L. ....F

**INDEXES**

See also Cases; Furniture.

**CONN.—Hartford**  
 Burr Index Co. (Book)....B

**INDEXES (Con.)**

**ILL.—Chicago**  
 Amberg File & Index Co.  
 (Book) .....A  
**MASS.—Boston**  
 Crosby Steam Gauge &  
 Valve Co., 95 Oliver  
 (Crank) .....AA  
 Library Bureau (Card)...AA  
**New York City**  
 Lusk & Son, Richard E.  
 (Book) .....B  
**N. Y.—Rochester**  
 Yawman & Erbe Mfg. Co.  
 (Book) .....AA  
**OHIO—Columbus**  
 National Index Co. (Book) D

**INDICATORS**

**CONN.—Hartford**  
 Veeder Mfg. Co. (Speed)...A  
**CONN.—New Haven**  
 Bradley Mfg. Co. (Polarity) D

**ILL.—Chicago**  
 Allis-Chalmers Co., Home  
 Ins. Bldg. (Steam En-  
 gine) .....AAAA  
 Burdett-Rountree Mfg. Co.,  
 85 W. Jackson Boul.  
 (Elevator) .....B  
 Chicago Wheel & Mfg. Co.,  
 39 W. Randolph (Speed) C

Crane Co. (Combination, for  
 testing hole or shaft) AAAA

Manning, Maxwell & Moore,  
 22 S. Canal (Steam En-  
 gine; Speed) .....AA

**IND.—South Bend**  
 Bowsher Co., N. P. (Speed,  
 or Motion for Water Pow-  
 er) .....B

**IOWA—Dubuque**  
 Dubuque Turbine & Roller  
 Mill Co. (Motion) .....B

**MASS.—Athol**  
 Starrett Co., L. S. (Lathe;  
 Speed; Test) .....A

**MASS.—Boston**  
 American Steam Gauge &  
 Valve Mfg. Co. (Speed;  
 Steam Engine) .....A  
 Ashton Valve Co. (Steam  
 Engine) .....A  
 Beckwith Elevator Co., 123  
 Pearl (Elevator) .....H  
 Brainerd Steam Trap Co.,  
 Chamber of Commerce  
 (Water) .....H  
 Crosby Steam Gauge &  
 Valve Co., 95 Oliver  
 (Speed; Steam Engine) AA

Star Brass Mfg. Co., 108  
 E. Dedham (Speed; Steam  
 Engine) .....A

Walworth Mfg. Co., 132 Fed-  
 eral (Valve) .....AAAA

Whittier Machine Co. (Ele-  
 vator) .....A  
 Woodman Mfg. & Supply  
 Co., R., 63 Oliver (Speed) F

**MASS.—Chicopee Falls**  
 Stevens Arms & Tool Co., J.  
 (Center) .....AAA

**MASS.—Fitchburg**  
 Sawyer Tool Mfg. Co.  
 (Angle) .....C  
 Simonds Mfg. Co. (Speed) AAA

**MI.—Detroit**  
 Detroit Lubricator Co. (Low  
 Water) .....AA

Wing & Co., J. T., Wood-  
 ward Av. (Speed) ....C

**MO.—St. Louis**  
 Batohr, Carl, 4055 Meramee  
 (Lighting) .....D

**N. J.—Elizabeth**  
 Braunsdorf - Mueller Co.  
 (Speed) .....D

**N. J.—Newark**  
 Weston Electrical Instru-  
 ment Co. (Polarity) ....A

**N. Y.—Auburn**  
 New Burdsall Co. (Log Set-  
 ting) .....AA

**N. Y.—Brooklyn**  
 Schaffer & Budenberg Mfg.



**INDICATORS (Con.)**  
 Co., 10 Division (Speed; Steam Engine) .....D  
**N. Y.—Jamestown**  
 Engineering & Power Co. (Steam Engine) .....AA  
**New York City**  
 Ashcroft Mfg. Co., 85 Liberty (Speed; Low Water; Steam Engine) .....A  
 Bushnell & Co., Jno. S., 126 Liberty (Steam Engine) .....E  
 Empire Electrical Instrument Co., 656 Hudson (Polarity) .....E  
 Herzog Telsme Co., 51 W. 24th (Polarity) .....D  
 Keuffel & Esser Co., 127 Fulton (Horse Power) .AA  
 Robertson & Sons, Jas. L., 204 Fulton (Steam Engine; Speed) .....D  
 Thompson & Co., Richard, 126 Liberty (Steam Engine) .....F  
 Zucker & Levett & Loeb Co. (Speed) .....A  
**OHIO—Cincinnati**  
 Bourbon Copper & Brass Works, 619 E. Front (Post, open and shut, for any make of valve) ...A  
 Lunkenheimer Co. (Low Water) .....AA  
 Steigert, Leopold, cor. Elder & Logan (Water) .....F  
**OHIO—Springfield**  
 Webster & Perks Tool Co. (Reducing Wheel; Steam Engine) .....C  
**PA.—Beaver Falls**  
 Emerson, Smith & Co. (Speed) .....A  
**PA.—Corry**  
 Trill, W. L. (Speed; Steam Engine) .....F  
**PA.—Philadelphia**  
 Brown, Edward, 813 Walnut (Speed) .....B  
 Disston & Sons, Hy. (Inc.) (Speed) .....AAAA  
 Helme & McIlhenny (Gas) AA  
 Keystone Electrical Instrument Co., 901 Montgomery Av. (Potential; Current Polarity) .....B  
 Philadelphia Novelty Mfg. Co. (Door) .....D  
**PA.—Scranton**  
 Union Steam Specialty Co. (Steam Engine) .....A  
**PA.—Stroudsburg**  
 Tanite Co. (Speed) .....A  
**R. I.—Providence**  
 American Ship Windlass Co. (Chain) .....AA  
 Brown & Sharpe Mfg. Co. (Test) .....AAAA  
 Slocumb & Co., J. T. (Center; Combination for testing shaft and hole) ...D  
**VT.—Montpelier**  
 Lane Mfg. Co. (Log Setting) A  
**VA.—Lynchburg**  
 Glamorgan Pipe & Fdy. Co. (Post) .....AA  
**WIS.—Milwaukee**  
 Durant, Walter N., 234 22d (Speed) .....E  
 Filer & Stowell Co. (Log Setting) .....AAA

## INDIGO

See also Dyes; Colors.

**MASS.—Lowell**  
 Taylor & Barker .....B  
**N. Y.—Buffalo**  
 Schoelkopf, Hartford & Hanna Co. ....AAAA  
**New York City**  
 General Chemical Co. ....AAAA  
 Kuttroff, Pickhardt & Co. AA  
 Metz & Co., H. A. ....A  
 New York & Boston Dye-wood Co. ....AAAA  
**R. I.—Providence**  
 Arnold, Hoffman & Co. ....AA

**INDIGO (Con.)**  
**VT.—Burlington**  
 Wells & Richardson Co. ....AA

## INGOTS

**CONN.—Ansonia**  
 Ansonia Brass & Copper Co. (Brass; Copper) .AAAA  
**CONN.—Bridgeport**  
 Bridgeport Deoxidized Bronze & Metal Co. (Metal) .....B  
**CONN.—Waterbury**  
 Scoville Mfg. Co. (Aluminum; Phosphor Bronze) AAAA  
**ILL.—Chicago**  
 Blatchford & Co., E. W., 70 N. Clinton (Brass; Copper) .....AAAA  
 Great Western Smelting & Refining Co., 173 W. Kinzie (Brass; Copper; Phosphor Bronze) .....A  
 Illinois Smelting & Refining Co., Kinzie & Peoria (Brass) .....B  
**MASS.—West Wareham**  
 Tremont Nail Co. (Steel; also Slabs; Plates) ....A  
**MICH.—Detroit**  
 National-Fulton Brass Mfg. Co. (Bronze) .....AA  
**MO.—St. Louis**  
 Hierts Metal Co., Thomas, cor. Tenn. Av. & Poepping (Brass; Copper) ...D  
**N. J.—Jersey City**  
 Williams & Son, E. A. (Metal) .....AA  
**New York City**  
 American Metal Co. (Ltd.), 52 B'way (Aluminum; Brass; Copper) .AAAA  
 Buckley & Co., L. J., 257 B'way (Phosphor Bronze) B  
 Davol & Sons, Jno., 100 John (Brass; Copper) .AA  
 Hendricks Bros., 49 Cliff (Brass; Copper) .AAAA  
 Hurley & Wainwright, 81 Fulton (Brass; Copper) .D  
 Kahn Bros., 525 E. 19th (Brass; Copper) .....A  
 Trench & Co., C. S., 81 Fulton (Brass; Copper) ...X  
**N. Y.—Tottenville**  
 Tottenville Copper Co. (Copper; Brass) .....AAA  
**OHIO—Cincinnati**  
 Edna Smelting & Refining Co., 527 Hunt (Phosphor Bronze) .....A  
 Vandusen Co., E. W. (Bronze) .....B  
**OHIO—Cleveland**  
 U. S. Bronze Co., 149 Columbus (Phosphor Bronze) B  
**PA.—Chester**  
 Crown Smelting Co. (Metal) A  
**PA.—Connellsville**  
 Riverside Mfg. & Supply Co. (Brass; Copper) .....B  
**PA.—Harrisburg**  
 Harrisburg Pipe & Pipe Bending Co. (Steel; Open Hearth) .....AAA  
**PA.—Philadelphia**  
 Janney, Steinmets & Co., Drexel Bldg. (Aluminum) D  
 Phosphor Bronze Smelting Co., 2200 Washington Av. (Phosphor Bronze) ....A  
 Reeves & Son, Paul S., 1413 Catherine (Manganese Bronze; Phosphor Bronze) B  
 Shimer & Co., H. M., 19th & Washn. Av. (Brass; Red; Yellow Copper) ...E  
 Trotter & Co., Nathan, 86 N. Front (Brass; Copper) AA  
 Woodfall Bros., 1106 Fairmount Av. (Brass; Copper) .....D  
**PA.—Pittsburg**  
 Duquesne Reduction Co.,

**INGOTS (Con.)**  
 Farmers' Bank Bldg.  
 (Brass; Copper) .....A  
 Hussey & Co., C. G., 2850  
 2d Av. (Brass; Copper)  
 AAA  
 Pittsburg Reduction Co.,  
 Park Bldg. (Aluminum)  
 AAAAA  
 Pittsburg Steel Fdy. Co.  
 (Steel, up to 70,000)...AA

## INHALANTS

**MICH.—Detroit**  
 Parke, Davis & Co. ....AAAA

## INHALERS

**IND.—Indianapolis**  
 Armstrong & Co., W. H. ...B  
**IND.—Vincennes**  
 Cushman Drug Co. (Pocket)  
 C

**N. Y.—Brooklyn**  
 Gold-Burkam Co., 55 Bart-  
 lett .....E  
**New York City**  
 Maris & Co., Jno. M., 219  
 Fulton .....B  
 Wetmore Co., S. H., 242  
 Pearl (Pocket) .....D

**OHIO—Cincinnati**  
 Altenheim Medical Dispen-  
 sary .....D

**PA.—Bradford**  
 Penn Glass Tube Co. (Glass)  
 D

**PA.—Philadelphia**  
 Boekel & Co., Wm., 578  
 Vine .....X

## INITIALS

**N. J.—Newark**  
 Reynolds & Zahn (Harness;  
 Ladies' Hand Bag) ....B  
**New York City**  
 Dunn & Co., Thos. J., 101  
 Chambers (Jewelry) ...D  
 Rice's Sons, Bernard, 542  
 B'way (Leather Goods)...A

## INJECTORS

**ILL.—Chicago**  
 Crane Co. (Boiler; Locomo-  
 tive) .....AAAA

**MD.—Baltimore**  
 Register's & Sons Co., 49  
 W. Halliday (Boiler)...A

**MASS.—Peabody**  
 Little, Geo. H. (Boiler)...X

**MICH.—Detroit**  
 American Injector Co., Con-  
 gress & Brooklyn Av. (Auto-  
 matic Boiler; Locomo-  
 tive) .....D  
 Detroit Lubricator Co.,  
 Hodges Bldg. (Boiler;  
 Kerosene Oil) .....AA

Michigan Lubricator Co.  
 (Boiler Oil) .....A  
 Pemberthy Injector Co., 346  
 Holden Av. (Boiler; Auto-  
 matic Locomotive) ....A  
 Stephens, Roe Mfg. Co.  
 (Boiler) .....A

**MO.—St. Louis**  
 Handlan-Buck Mfg. Co., 212  
 N. 3d (Boiler; Locomo-  
 tive) .....AA

**N. Y.—Brooklyn**  
 Schaffer & Budenberg Mfg.  
 Co., 10 Division (Boiler)  
 D

**N. Y.—Buffalo**  
 Sherwood Mfg. Co., 84  
 Washn. (Boiler; Locomo-  
 tive) .....B

**N. Y.—Jamestown**  
 Engineering & Power Co.  
 (Boiler) .....AA

**New York City**  
 Fairbanks Co., 186 Elm  
 (Boiler; Locomotive)  
 AAAAA

Jenkins Bros. (Boiler)...A  
 Manning, Maxwell & Moore,  
 85 Liberty (Boiler)...AA  
 Nathan Mfg. Co., 92 Liberty  
 (Boiler; Locomotive) ...A

## INJECTORS (Con.)

**OHIO—Cincinnati**  
 Automatic Injector Co., 12  
 E. 3d (Boiler) .....C  
 Lunkenheimer Co. (Boiler;  
 Locomotive; Boiler Oil)  
 AA

Powell Co., Wm., 2525 Spg.  
 Grove Av. (Stationary;  
 Marine Boiler; Locomo-  
 tive) .....A

**OHIO—Urbana**  
 Desmond-Stephan Mfg. Co.  
 (Steam) .....D

**OHIO—Wadsworth**  
 Ohio Injector Co. (Boiler;  
 Locomotive) .....A

**PA.—Erie**  
 Sims Co. (Kerosene Oil)...D

Watson, N. A. (Boiler)...A  
**PA.—New Castle**  
 Douds & Co., F. C. (Boiler)  
 B

**PA.—Philadelphia**  
 Belfield & Co., H., 435 N.  
 Broad (Boiler; Locomo-  
 tive) .....AA

Eynon-Evans Mfg. Co. (Boil-  
 er) .....A

Griffiths, Jas. A., 500 N.  
 12th (Boiler; Locomotive)  
 D

Loneragan & Co., J. E., 211  
 Race (Locomotive) ...AA

Rue Mfg. Co., 215 Race  
 (Boiler) .....C

Schutte & Koerting Co.,  
 1253 N. 12th (Boiler; Lo-  
 comotive) .....A

Sellers & Co., Wm. (Inc.),  
 1600 Hamilton (Oil Boiler;  
 Locomotive) .....AAAA

**PA.—York**  
 Motter & Sons, Geo. F.  
 (Exhaust Steam) .....C

## INKOLEUM

**MINN.—St. Paul**  
 Electrine Mfg. Co. ....F

## INKS

**CAL.—San Francisco**  
 Shattuck & Co., E. J.  
 (Printing) .....B

**COLO.—Denver**  
 Cannon, W. F. (Writing)...D

**CONN.—Hartford**  
 Barber Ink Co. (Writing)...D

**ILL.—Chicago**  
 American Printing Ink Co.  
 (Wood Printing) .....D  
 Applegate Chemical Co.,  
 6322 Ellis Av. (Indelible  
 Marking) .....F

Central Commercial Co.  
 (Printing) .....C

Dietzgen Co., Eugene  
 (Draughting; Gold; Sil-  
 ver) .....A

Kane & Co., G. B., 108 5th  
 Av. (Printing) .....B

Kirk, H. D. (Writing)...F  
 Landell, J. E. (Writing)...D

Post Co., Frederick, 218 S.  
 Clark (Draughting)...D  
 Sanford Mfg. Co. (Writing;  
 Indelible) .....A

Thomas Co., L. H. (Writ-  
 ing; Safety) .....C

**MD.—Baltimore**  
 Dorman Co., J. F. W.  
 (Stamp Pad) .....F

**MS.—Boston**  
 Carter's Ink Co., 164 Co-  
 lumbus Av. (Draughting;  
 Writing; Carmine; Col-  
 ored; Copying; Indelible;  
 Marking; Rubber Stamp;  
 Ruling; Safety; Stylo-  
 graphic; Liquid India)...A

Davis Co., Wm. A. (Car-  
 mine; Colored; Copying;  
 Marking; Safety; Stylo-  
 graphic) .....X

Golding & Co. (Printing)...B

Morrill & Co., Geo. H., 146  
 Congress (Printing; Litho-  
 graphing) .....A

Webster Co., F. S. (Copy-  
 ing; Rubber Stamp;  
 Printing) .....AA

# INKS (Con.)

**MASS.—Cambridge**  
Whittemore Bros. & Co. (Burnishing) .....AA  
**MASS.—Northampton**  
Williston, A. L. (Indelible) .....A  
**MASS.—Springfield**  
Smith Mfg. Co., R. H. (Rubber Stamp) .....C  
**MASS.—Warren**  
Moore, J. & J. E. (Writing; Safety; Stylographic) ..E  
**MICH.—Detroit**  
Detroit Rubber Stamp Co. (Rubber Stamp) .....E  
Keller Ink Co., Robt. (Writing) .....F  
Phelps, Brace & Co. (Writing) .....AA  
Williams, Davis, Brooks & Hinchmann Sons (Writing) .....AA  
**MO.—St. Louis**  
Aloe Instrument Co., A. S., 414 N. B'way (Draughting) .....A  
Donnell Mfg. Co. (Writing) .....B  
Levison & Blyth Mfg. Co. (Writing; Copying) ....E  
Thalman Printing Ink Co., B. (Printing; Lithographing) .....B  
**N. J.—Jersey City**  
Safety Bottle & Ink Co. (Writing) .....C  
**N. J.—Newark**  
Dovell Son Mfg. Co., R. B. (Writing) .....D  
Pomeroy Co., I. (Writing; Carmine; Colored; Copying; Indelible; Liquid India) .....G  
**N. Y.—Brooklyn**  
Higgins & Co., Chas. M., 271 9th (Draughting; Writing) .....A  
**N. Y.—Buffalo**  
Amer. Blueing Co. (Writing) .....D  
Buffalo Printing Ink Works (Printing; Lithographing; Copyable Printing) ....E  
Favorite Mfg. Co. (The) (Writing) .....D  
**New York City**  
Binney & Smith Co. (Marking) .....AA  
Carragan & Tillson (Indelible; Stencil; Marking) ..D  
Caws Pen & Ink Co. (Carmine; Copying; Safety) ..D  
Davids Co., T. (Writing; Carmine; Colored; Copying; Indelible; Marking) ..C  
Devoe, F. W. & C. T. Reynolds Co. (Liquid India; Gold; Silver) .....AAAA  
Faber, Eberhard (Copying) .....AAA  
Fuchs & Lang Mfg. Co. (Lithographing) .....AA  
Fulton Rubber Type, Ink & Pad Mfg. Co., 31 Frankfort (Stamp Pad) .....D  
Gerstendorfer Bros. (Gold) .....B  
Haley Ink Co. (Carmine; Colored; Safety) .....G  
Keuffel & Esser Co., 127 Fulton (Draughting) ..AA  
Kolesch & Co., 138 Fulton (Draughting) .....E  
Levey Co., Fred H. (Printing) .....AA  
Miller Co., Frank, 349 W. 26th (Burnishing) .....A  
New York Stencil Works (Marking; Rubber Stamp) .....X  
Soltmann, E. G., 125 E. 42d (Draughting) .....D  
Stafford, S. S. (Carmine; Colored; Copying; Safety; Drawing; Indelible; Rubber Stamp; Stylographic) ..B  
Ullman Co., Sigmund (Lithographing; Printing) ....A  
Underwood & Co., John, 30 Vesey (Machine Copying;

# INKS (Con.)

Safety; Printing; Marking; Stencil; Copyable) ..B  
Wade & Co., H. D., 28 Reade (Lithographic) ..X  
Wilson Printing Ink Co., W. D. (Ltd.) (Printing; Lithographing) .....B  
**N. Y.—Rochester**  
American Ribbon & Carbon Co. (Stamp Pad) .....D  
**OHIO—Cincinnati**  
Ault & Wiborg Co. (Printing; Lithographing) .....AAAA  
Queen City Printing Ink Co. (Printing; Lithographing) .....F  
Standard Printing Ink Co. (Printing; Lithographing) .....A  
Woodmansee, F. A. (Writing) .....D  
**OHIO—Cleveland**  
Taylor Bros. Co., 82 Superior (Draughting; Quick Drying Waterproof for Tracing Cloths) .....G  
**PA.—Harrisburg**  
Hickok Mfg. Co., W. O. (The) (Paging; Ruling; Powder) .....AA  
**PA.—Philadelphia**  
Continental Mfg. Co. (Carmine; Copying; Rubber Stamp; Safety) .....D  
Diamond & Onyx (Writing) .....B  
Johnson & Co., Chas. E. (Printing; Lithographing) .....AA  
Maun Co., Wm. (Stylographic) .....AA  
Queen & Co., 1010 Chestnut (Draughting) .....A  
Quint & Son, S. H., 15 S. 4th (Indelible) .....O  
Williams, Brown & Earle, 918 Chestnut (Draughting) .....B  
Wright Printing Ink Co., J. K. (Lithographing) ..X  
**PA.—Pittsburg**  
Elliott Electric Blue Print Co., 723 Liberty Av. (Draughting) .....D  
Kopp & Co., Geo. L., 538 Smithfield (Draughting) .....D  
Swearingen Ink Co., J. C. (Writing) .....D  
**PA.—Scranton**  
Reynolds Bros. (Writing) ..D  
**WIS.—Milwaukee**  
Diamond Ink Co. (Writing) .....D  
Ritz, A. N. (Safety) .....C

# INKSTANDS

**CONN.—Meriden**  
Bradley & Hubbard Mfg. Co. (Brass; Iron) .....AAAA  
Meriden Britannia Co. (Plated) .....AAAA  
**CONN.—New Britain**  
Landers, Frary & Clark (Iron) .....AAAA  
**CONN.—Southington**  
Peck, Stow & Wilcox Co. (Brass; Iron) .....AAAA  
**CONN.—Wallingford**  
Wallace & Sons Mfg. Co., R. Glass .....AAAA  
**ILL.—Chicago**  
Nicol & Co. ....D  
Sherwood Co. (School Desk) .....D  
**MASS.—Boston**  
Carter's Ink Co. (Automatic) .....A  
Cutter-Tower Co. (Pocket; School Desk) .....B  
**MASS.—Chelsea**  
Low Tile Co. (Tile) .....F  
**N. H.—Keene**  
Mason & Co., W. L. ....X  
**N. J.—Newark**  
Riley-Koltz Mfg. Co. (Pocket) .....A  
**N. Y.—Brooklyn**  
Prahar, Louis B. (Pocket Safety) .....O

**INKSTANDS (Con.)**

New York City  
 Davis, Emry, 298 Bway.  
 (Automatic) .....B  
 Goodyear's India Rubber  
 Glove Mfg. Co. (Pocket)  
 AAAAA  
 Gould-Mersereau Co. (Brass;  
 Call Bell) .....B  
 Judd & Co., H. L. (Brass) AA  
 N. Y.—Seneca Falls  
 Westcott-Jewell Co. (Auto-  
 matic) .....D  
**OHIO—Akron**  
 Akron Rubber Wk. (Good-  
 rich Co.) (Pocket), AAAAA  
**OHIO—Cincinnati**  
 Tatum Co., Samuel C.  
 (School Desk) .....B  
**PA.—Philadelphia**  
 Gillinder & Son (Glass) ..A  
**W. VA.—Moundsville**  
 Fostoria Glass Co. (Glass)  
 AAA

**INLETS**

**CONN.—Bristol**  
 Sessions Fdy. Co. (Sewer)  
 AAA  
**IND.—South Bend**  
 South Bend Fdy. Co.  
 (Sewer) .....B  
**MASS.—Worcester**  
 Desper, Henry A. (Fresh  
 Air) .....F  
**N. H.—Concord**  
 Ford & Kimball (Sewer), B  
**N. Y.—Brooklyn**  
 Hart-Ayres Plumbing Co.,  
 182 4th Av. (Fresh Air), D  
**N. Y.—Buffalo**  
 Zero Valve & Brass Mfg.  
 Co., 296 Seneca (Fresh  
 Air) .....F  
 New York City  
 Du Bois & Co., Frederick N.,  
 247 9th Av. (Fresh Air)  
 AAA  
 Fee & Mason, 66 Beekman  
 (Fresh Air) .....F  
 Mott Iron Wks., J. L., 88  
 Beekman (Fresh Air), AA  
 Phillips Mfg. Co., 215 E.  
 84th (Fresh Air) .....D  
**OHIO—Cincinnati**  
 Buckeye Fdy. Co. (Sewer) A  
**OHIO—Springfield**  
 Rogers Iron Wks. (Sewer)  
 B

**INSOLES**

**CONN.—Hartford**  
 Wiley & Son Co., Wm. H.  
 (Wool; Leather; Silk  
 Quilted) .....A  
**KANS.—Burlington**  
 Electric Appliance Co.  
 (Inc.) (Magnetic) .....D  
**MASS.—Boston**  
 Fuller, F. T., 16 Lincoln  
 (Leather) .....C  
**MASS.—Worcester**  
 Graton & Knight Mfg. Co.  
 (Cut) .....AAAA  
**MASS.—Lynn**  
 Hillard & Merrill (Leather)  
 A  
**N. Y.—Middletown**  
 Howell-Hinchman Co. (Cut)  
 A  
 New York City  
 Pall Mall Electric Associa-  
 tion, 870 Bway. (Electric)  
 F  
**OHIO—Cleveland**  
 Ohio Electric Wks.  
 (Leather) .....A  
**PA.—Ludlow**  
 Martin Co., Edw. P.  
 (Leather) .....AA  
**PA.—Pittsburg**  
 Armstrong Cork Co. (Cork)  
 AAAAA  
**TENN.—Harriman**  
 Harriman Leather Co.  
 (Flexible) .....A

**INSPECTION**

**PA.—Pittsburg**  
 Pittsburg Testing Labora-  
 tory (Steel) .....D

**INSTRU-  
MENTS**

See also Specific Headings;  
 also Musical Instruments

**CAL.—Los Angeles**  
 Sweeney Surgical Mfg. Co.  
 (Surgical) .....B  
**CAL.—San Francisco**  
 Crocker Co. H. S., 217 Bush  
 (Architect's; Engineer's)  
 AA  
 Payot Upham & Co., 204  
 Pine (Architect's; Engin-  
 eer's) .....A  
**COLO.—Denver**  
 Ainsworth & Sons, Wm.  
 (Mathematical) .....B  
**CONN.—Manchester**  
 Norton Electric Instrument  
 Co. (Electrical) .....D  
**CONN.—Westport**  
 Embalmers' Supply Co.  
 (Embalming) .....C  
**D. C.—Washington**  
 Saegmuller, G. N., 108 2d  
 S. W. (Architect's; Engin-  
 eer's) .....H  
 Schmidt, Fred. A., 516 9th  
 (Architect's; Engineer's)  
 F  
**GA.—Savannah**  
 Fretwell, John W. (Arch-  
 itect's; Engineer's) .....D  
**ILL.—Chicago**  
 Abbott & Co., A. H., 50  
 Madison (Architect's; En-  
 gineer's) .....B  
 Betz Co., Frank S. (Surgi-  
 cal) .....A  
 Central Scientific Co., 14  
 Mich. (Meteorological) ...D  
 Electric Appliance Co., 92  
 W. Van Buren (Electric)  
 B  
 Gaertner & Co., Wm., (As-  
 tronomical) .....B  
 Haussmann & Dunn (Ortho-  
 paedical; Veterinary; Sur-  
 gical) .....C  
 McDonnell Odometer Co.  
 (Intricate Mechanical), X  
 McIntosh Battery & Optical  
 Co. (Nasal Caution) ...D  
 Manatee Co., L., 107 Madison  
 (Architect's; Engineer's)  
 A  
 Martin Co., Edw. P. (Elec-  
 trical Testing) .....C  
 Naffis, Louis F., 120 Ran-  
 dolph (Architect's; Engin-  
 eer's) .....G  
 Post Co., Fredk., 218 So.  
 Clark (Architect's; Engin-  
 eer's) .....D  
 Seelig, Roman, 122 Clark  
 (Architect's; Engineer's)  
 D  
 Sharp & Smith (Dental;  
 Surgical) .....A  
 Truax, Green Co. (Surgical)  
 A  
 Wadsworth-Howland Co.,  
 Ind & 13th (Architect's;  
 Engineer's) .....A  
 Western Electric Co., 259  
 So. Clinton (Telegraph;  
 Electrical; Electric Test-  
 ing) .....AAAA  
**IND.—Fort Wayne**  
 Ft. Wayne Electric Corpora-  
 tion (Electrical) .....AAAA  
**IND.—Indianapolis**  
 Armstrong & Co., Wm. H.  
 (Surgical) .....B  
**IND.—Lafayette**  
 Duncan Elect. Mfg. Co.  
 (Electric) .....B  
**MASS.—Athol**  
 Athol Machine Co. (Level-  
 ing) .....B  
 Starrett Co., L. S. (Level-  
 ing; Surveying; Drawing)  
 A  
**MASS.—Boston**  
 Berger & Son, C. L., 9  
 Province Ct. (Astronomi-  
 cal; Architect's; Engin-  
 eer's) .....B  
 Buff & Buff Mfg. Co., Ja-  
 malca Plain (Architect's;  
 Engineer's; Astronomical;  
 Surveying) .....B

# INSTRUMENTS (Con.)

Codman & Shurtleff (Dental; Orthopaedical; Veterinary; Surgical) .....C  
 Frost & Adams Co., 87 Cornhill (Architect's; Engineer's) .....O  
 Gleeson, Thos. W. (Electrical) .....F  
 Leach & Greene (Surgical) .....F  
 Spaulding Print Paper Co., 44 Federal (Architect's; Engineer's) .....E  
 Swan, C. Irving (Architect's; Engineer's) .....H  
 Thaxter & Son, S. (Nautical) .....B  
 Wadsworth, Howland & Co., 84 Wash. (Architect's; Engineer's) .....A  
**MASS.—Cambridge**  
 Clark & Sons, Alvan (Astronomical; Optical) .....F  
**MASS.—Lynn**  
 Flego, Alex J. R. (Precision) .....F  
**MICH.—Grand Rapids**  
 Durfee Embalming Fluid Co. (Embalming) .....B  
 Mills & Lacy Mfg. Co. (Embalming) .....D  
**MINN.—St. Paul**  
 Brown, Treacy & Sperry Co. (Architect's; Engineer's) .....B  
 Kuhlo, Arnold, 320 Robert (Architect's; Engineer's) .....E  
**MO.—St. Louis**  
 Aloe Co., A. S., 414 N. Bway. (Architect's; Engineer's; Scientific; Drawing; Surveying; Surgical) .....A  
 Buxton & Skinner Stationery Co., 306 N. 4th (Architect's; Engineer's) .....A  
 Erker Bros. Optical Co., 608 Olive (Architect's; Engineer's) .....B  
 Mahn & Co., 302 Olive (Architect's; Engineer's) .....F  
 Ruckert, Louis, Laclede Bldg. (Architect's; Engineer's) .....E  
 Wissler, A., 613 Pine (Architect's; Engineer's; Scientific) .....D  
**N. J.—Newark**  
 Plumb, D. S. (Intricate Mechanical) .....D  
 Sloan & Chace Mfg. Co. (Ltd.) (Intricate Mechanical) .....X  
**N. Y.—Brooklyn**  
 Brandis Sons & Co., F. E., 814 Gates Av. (Architect's; Engineer's; Nautical) .....C  
 Schaffer & Budenberg Mfg. Co., 10 Division (Scientific; Engineering) .....D  
**N. Y.—Buffalo**  
 Adams & White, 209 Main (Architect's; Engineer's) .....O  
 Buffalo Dental Mfg. Co. (Dental) .....B  
 Lockwood, M., 207 Ellicott Sq. (Architect's; Engineer's) .....D  
**N. Y.—Little Falls**  
 Burrell & Co., D. H. (Testing) .....AAAA  
**New York City**  
 Albrecht, Chas. R. (Nautical) .....F  
 Akouphone Mfg. Co., 36 E. 20th (Deaf Mutes) .....X  
 Bliss & Co., John (Nautical) .....D  
 Bunnell & Co., J. H., 20 Park Pl. (Telegraph; Electrical) .....B  
 Consolidated Dental Mfg. Co. (Dental) .....B  
 Devoe, F. W. & C. T. Reynolds Co. (Surveying; Mathematical) .....AAAA  
 Dietzgen Co., Eugene, 149 5th Av. (Architect's; Engineer's) .....B  
 Draper Mfg. Co., 152 Front (Meteorological) .....E

# INSTRUMENTS (Con.)

Favor, Ruhl & Co., 49 Barclay (Architect's) .....B  
 Foote, Pierson & Co., 84 Fulton (Telegraph; Measuring; Testing of Precision) .....C  
 Gardam & Son, Wm. (Astronomical; Philosophical; Surveying; Mathematical; Engineering) .....D  
 Gesswein Co., F. W. (Dental) .....A  
 International Brass & Electric Co., 76 Beekman (Telegraph) .....D  
 Keuffel & Esser Co., 127 Fulton (Architect's; Engineer's; Leveling; Precision; Scientific; Nautical; Surveying; Mathematical; Drawing) .....AA  
 Knauth Bros., 222 4th Av. (Surgical) .....D  
 Kny-Scherer Co., 225 4th Av. (Surgical) .....C  
 Manhattan Electrical Supply Co., 32 Cortlandt (Telegraph) .....AA  
 Merrill's Sons, Robt. (Nautical; Philosophical; Mathematical) .....B  
 Meyrowitz, E. B. (Surgical) .....A  
 N. Y. Blue Print Paper Co., 58 Reade (Architect's; Engineer's) .....F  
 Parsell & Weed, 129 W. 31st (Technical) .....D  
 Pearce, Fredk., 18 Rose (Telegraph) .....B  
 Pomeroy Co., 17 Union Sq. (Orthopaedical) .....B  
 Reichardt & Co., F. A., 391 Bway. (Surgical) .....B  
 Riker, Chas. E. (Surgical) .....B  
 Robertson & Sons, Jas. L. (Engineering) .....D  
 Rupp & Co., Michael, 39 South (Nautical) .....B  
 Sartorius & Co., A., 46 W. Bway. (Architect's; Engineer's) .....B  
 Schneider Bros., 265 Greene (Meteorological) .....D  
 Schivencke, Kirk & Co., 26 Church (Architect's; Engineer's) .....D  
 Soltmann, E. G., 125 E. 42d (Architect's; Engineer's; Scientific) .....D  
 Stackpole & Bros., 41 Fulton (Nautical; Philosophical; Mathematical) .....F  
 Tagliabue, G., 302 Pearl (Nautical; Philosophical; Testing; Mathematical) .....B  
 Taylor & Co., H. E., 510 E. 72d (Embalming) .....A  
 Tiemann & Co., Geo. (Dental; Surgical) .....A  
 Tutsche, K. F., 209 Centre (Hearing) .....F  
 Wittemann Bros. (Veterinarian) .....A  
**N. Y.—Rochester**  
 Amer. Drafting Furn. Co., 223 Mill (Architect's; Engineer's) .....D  
 Bausch & Lomb Optical Co. (Optical) .....AAA  
 Gundlach Optical Co. (Optical) .....A  
 Ritter Dental Mfg. Co. (Dental) .....B  
**N. Y.—Schenectady**  
 General Electric Co. (Electrical) .....AAAA  
**N. Y.—Troy**  
 Gurley, W. & L. E. (Architect's; Engineer's; Surveying; Drawing) .....A  
**OHIO—Cincinnati**  
 Pfister, Herman, 428 Plum (Architect's; Engineer's) .....F  
 Prince & Bro., L. M., 108 W. 4th (Architect's; Engineer's) .....C  
 Randolph Co., T. F., 232 E. 5th (Architect's; Engineer's) .....E  
**OHIO—Cleveland**  
 Cleveland Dental Mfg. Co.

**INSTRUMENTS (Con.)**

(Dental) .....B  
 Osborn Co., A. T., 22 Seneca  
 (Architect's; Engineer's) D  
 Ullmer & Co., J. C., 225  
 Champlain (Architect's;  
 Engineer's) .....D  
 U. S. Dental Mfg. Co. (Dental) .....D  
 Warner & Swasey Co. (Astronomical; Precision) ..A  
**OHIO—Columbus**  
 Cole Co., H., 82 N. High  
 (Architect's; Engineer's) D  
**OHIO—Middleton**  
 Miles Steel & Tool Co.  
 (Dental) .....B  
**OHIO—Springfield**  
 Champion Chemical Co.  
 (Embalming) .....C  
**OHIO—Toledo**  
 Beckmann Co., L., 318 Adams  
 (Surveying) .....D  
 DeVilbiss Mfg. Co. (Surgical) .....C  
**PA.—Philadelphia**  
 Alteneder & Sons, Theo., 945  
 Ridge Av. (Architect's;  
 Engineer's; Precision;  
 Calculating; Nautical;  
 Philosophical; Drawing) D  
 Climax Dental Mfg. Co.,  
 409 S. 8th (Dental) ....D  
 Gemrig & Son, J. H. (Surgical) .....D  
 Heller & Brightly, Spring  
 Garden & Ridge Aves.  
 (Optical; Surveying; Engineer's) .....A  
 Horn & Bro., Wm. H. (Veterinary) .....B  
 Johnson & Lund (Dental) .....A  
 Just & Sons, H. D. (Dental) .....A  
 Keystone Electrical Instrument Co. (Electrical) ..B  
 Knight & Co., F. C., 400 Locust  
 (Architect's; Engineer's) .....D  
 Kolbe Co., D. W. (Veterinary) .....X  
 Lentz & Sons, Chas. (Surgical) .....A  
 Lukens & Whittington, 624  
 Race (Dental) .....D  
 McCollin & Co., Thos. H., 54  
 N. 9th (Architect's; Engineer's) .....H  
 Olsen & Co., T. (Measuring) .....A  
 Partrick, Carter & Wilkins,  
 1231 Callowhill (Telegraph; Electrical) .....B  
 Pennsylvania Dental Mfg. Co. (Dental) .....D  
 Penn. Surgical Mfg. Co., 104  
 S. 8th (Dental) .....D  
 Pilling & Son, Geo. P. (Dental & Surgical) ....C  
 Queen & Co., 1010 Chestnut  
 (Architect's; Engineer's;  
 Testing; Scientific; Surveying; Mathematical) ..A  
 Riggs & Bro., 310 Market  
 (Nautical) .....B  
 Ripka Co., Chas., 1539  
 Chestnut (Architect's; Engineer's) .....E  
 Sibley, Gideon (Dental), AA  
 Taws, Henry M., 929 Arch  
 (Architect's; Engineer's) F  
 Teufel & Bros., Jacob J.,  
 114 So. 10th (Surgical) ..F  
 Thomas Co., Arthur H. (Laboratory; Scientific) ..B  
 Weber & Co., F., 1125  
 Chestnut (Architect's; Engineer's) .....B  
 Weil, J. H., 1803 Market  
 (Architect's; Engineer's) F  
 White Dental Mfg. Co., S.  
 S., Chestnut & 12th (Dental) .....AAAA  
 Williams, Brown & Earle  
 (Architect's; Engineer's;  
 Philosophical; Mathematical) .....B  
 Young & Sons, 43 N. 7th  
 (Architect's; Engineer's;  
 Surveying) .....C

**INSTRUMENTS (Con.)**

**PA.—Pittsburg**  
 Elliott Electric Blue Print  
 Co., 728 Liberty Av.  
 (Architect's Engineer's) C  
 Kopp & Co., Geo. L., 538  
 Smithfield (Architect's;  
 Engineer's) .....H  
 Kurts, Langbein & Swats,  
 435 Wood (Architect's;  
 Engineer's) .....E  
 Pittsburg Blue Print Co.,  
 Park Bldg. (Architect's;  
 Engineer's) .....C  
 Steiren Co., Wm., E., 544  
 Smithfield (Architect's;  
 Engineer's) .....B  
**PA.—West Chester**  
 Sharples, P. M. (Testing) AA  
**R. I.—Providence**  
 Brown & Sharpe Mfg. Co.  
 (Drawing) .....AAAA  
 Slocumb Co., J. T. (Surveying) .....D  
**TEXAS—Galveston**  
 Clarke & Courts (Architect's; Engineer's) ....A  
**WASH.—Spokane**  
 Graham & Co., J. W.  
 (Architect's; Engineer's) A

**INSULATORS**

**CONN.—Hartford**  
 Billings & Spencer Co. (Drop  
 Forged; Strain; Trolley) AA  
 Hartford Falence Co. (Porcelain) .....B  
 Johns-Pratt Co. (Moulded  
 Mica) .....A  
**ILL.—Chicago**  
 Central Electric Co., 266 5th  
 Av. (All Kinds) .....A  
 Cutter Co., Geo., Union &  
 Fulton (Arc; Tree) ....C  
 Sells-Eddy Mica Co., 34  
 Clark (Mica) .....X  
 Western Electric Co., 259 S.  
 Clinton .....AAAA  
**IND.—Peru**  
 Peru Electric Mfg. Co. (Porcelain) .....A  
**KY.—Covington**  
 Hemingray Glass Co.  
 (Glass) .....AA  
**MAINE—Kennebunk**  
 Leatheroid Mfg. Co. (Rail) A  
**MASS.—Boston**  
 Anderson Mfg. Co., Albert  
 & J. M. (Tree) .....A  
 Knowles, C. S., 9 Arch  
 (Glass; Porcelain) .....B  
 Macallen Co., W. T. C., 333  
 Congress (Overhead) ..AA  
 Renim Specialty Co., 176  
 Federal (Porcelain Wiring  
 Tubes) .....B  
**MINN.—Winona**  
 Union Fibre Co. (Lith  
 Board; Flax Fibre) ....B  
**N. H.—Manchester**  
 Brodie Electric Co. (Tree) F  
**N. J.—Trenton**  
 Brian Pottery Co. (Porcelain) .....D  
 Diamond Porcelain Co.  
 (Porcelain) .....X  
 Electric Porcelain & Mfg.  
 Co. (All Kinds) .....D  
 Greenwood Pottery Co.  
 (Porcelain) .....A  
 Imperial Porcelain Wks.  
 (Porcelain; Transmission) AA  
**N. Y.—Brooklyn**  
 Krantz Mfg. Co. ....B  
 Union Porcelain Wks., 300  
 Eckford (Porcelain) ....B  
**New York City**  
 Brookfield Glass Co., 220  
 Bway. (Glass) .....B  
 Federal Clay Mfg. Co., 170  
 Bway. (Vitrified Clay;  
 Third Rail) .....B  
 Johns, Manville Co., H. W.,  
 100 William (Third Rail;  
 Tree) .....AAAA  
 Mica Insulator Co., 218  
 Water (Mica) .....B  
 Reconstructed Granite Co.

**INSULATORS (Con.)**

(Granite; Third Rail) ..D  
**N. Y.—Schenectady**  
 General Electric Co. (Porcelain; Wall; Floor; Pole; Trolley) .....AAAA  
**N. Y.—Syracuse**  
 Pass & Seymour .....A  
**N. Y.—Utica**....  
 Bossert Electric Construction Co. (Conduit Outlet) ..B  
**N. Y.—Victor**  
 Locke Insulator Mfg. Co. (High Voltage; Porcelain; China) .....A  
**OHIO—Akron**  
 Amer. Marble & Toy Mfg. Co. (Clay; Porcelain) ..X  
**OHIO—Cincinnati**  
 Creaghead Engineering Co., 313 Walnut (Strain)....D  
**OHIO—Cleveland**  
 Homer Commutator Co., 108 Mason (Mica).....D  
**OHIO—East Liverpool**  
 Brunt Porcelain Wks., G. F. (Porcelain) .....B  
 Thomas & Sons Co., R. (Porcelain) .....A  
**OHIO—Mansfield**  
 Ohio Brass Co. (Tree)....AA  
**OHIO—Mogadore**  
 Bowers Mfg. Co. (Clay) ..F  
**PA.—Erie**  
 Erie City Iron Wks. (Third Rail) .....AAAA  
**PA.—Philadelphia**  
 Flagg & Co., Stanley G. (Lava; Electric) ....AAA  
**PA.—Pittsburg**  
 Wormser Glass Co., 2d & Sylvan Av. (Glass) ....X  
**TENN.—Chattanooga**  
 Crescent Novelty Mfg. Co. (Electrical) .....E  
 Steward Mfg. Co., D. M. (Lava) .....B

**INTERMEDI-ATES**

See also Gears

**MASS.—Lowell**  
 Lowell Machine Shop, AAAA  
**MASS.—Newton Upper Falls**  
 Saco & Pettee Machine Shops .....AAA  
**MASS.—Whitinsville**  
 Whitinsville Machine Wks. ....AAAA

**IODINE**

**MD.—Baltimore**  
 Thomson Chemical Wks. ...B  
**MASS.—Boston**  
 Billings, Clapp & Co. ....B  
 Burnham Soluble Iodine Co. ....G  
**MO.—St. Louis**  
 Herf & Frerichs Chemical Co. (Resublimed) .....A  
 Larkin & Scheffer Chemical Co. ....A  
 Mallinckrodt Chemical Wks. ....AAAA  
**New York City**  
 Cooper & Co., Chas. ....AA  
**PA.—Allegheny**  
 Beck & Co., John A. ....A  
**PA.—Easton**  
 Baker & Adamson Chemical Co. ....A  
**PA.—Philadelphia**  
 Powers - Weightman-Rosen-garten Co. ....AAAA

**IODIFORM**

**MASS.—Boston**  
 Billings, Clapp & Co. ....B  
**MO.—St. Louis**  
 Herf & Frerichs Chemical Co. ....A  
 Larkin & Scheffer Chem. Co. ....A  
 Mallinckrodt Chemical Wks. ....AA  
**New York City**  
 New York Quinine & Chemical Wks. (Ltd.) .....A

**IODIFORM**

**PA.—Philadelphia**  
 Powers - Weightman-Rosen-garten Co. ....AAAA

**IRON & STEEL**

**ALA.—Anniston**  
 Woodstock Iron Wks. (Car Wheel; Pig) .....A  
**ALA.—Birmingham**  
 Alabama Consolidated Coal & Iron Co. (Foundry; Pig) .....AAAA  
 Birmingham Rolling Mill Co. (Bar; Rolled; Bridge) ....AAA  
 Pioneer Mining & Mfg. Co. (Pig) .....AAAA  
 Sloss Sheffield Steel & Iron Co. (Foundry; Pig; Merchant Steel) .....AAAA  
 Tennessee Coal Iron & Railroad Co. (Blastic; Foundry Pig; I. & S. Angles; Blooms; Billets)....AAAA  
 Williamson Iron Co. (Pig) X  
**ALA.—Huntsville**  
 Nolan & Jones (Architectural; Ornamental) ....B  
**ALA.—Mobile**  
 Alabama Iron Works (Architectural; Ornamental) ..B  
**ALA.—Montgomery**  
 Janney & Co. (Architectural; Ornamental) ....A  
**ALA.—Sheffield**  
 Sheffield Coal & Iron Co. (Pig) .....AAAA  
 Sheffield Rolling Mill Co. (Bar) .....A  
**ALA.—Shelby**  
 Shelby Iron Co. (Car Wheel) ....AAAA  
**ALA.—Woodward**  
 Woodward Iron Co. (Pig) ....AAAA  
**ARK.—Little Rock**  
 Thomas Fordyce Mfg. Co. (Architectural; Ornamental) .....A  
**ARK.—Pine Bluff**  
 Dilley, Foundry Co. (Architectural; Ornamental) ..A  
**CAL.—Fresno**  
 Fresno Agricultural Wks. (Architectural; Ornamental) .....B  
**CAL.—Los Angeles**  
 Baker Iron Works, 950 Buena Vista (Architectural; Ornamental) ....AA  
 Fulton Engine Wks. (Architectural; Ornamental) ..A  
 Llewellyn Iron Wks., Main & San Fernando (Architectural; Ornamental)....AA  
 Union Iron Wks., 406 1st (Architectural; Ornamental) .....B  
**CAL.—Sacramento**  
 Root, Neilson & Co. (Architectural; Ornamental) ..B  
**CAL.—San Francisco**  
 Burnstone Bros., 543 Brannon (& Steel Scraps) ....A  
 Harley Co., Chas., 844 Harrison (& Steel Scraps) ..A  
 Hendy Machine Wks., 38 Fremont.. (Architectural; Ornamental) .....AA  
 San Francisco Novelty & Plating Wks., 63 1st (Architectural; Ornamental) .....B  
 Vulcan Iron Wks., 505 Mission (Architectural; Ornamental) .....AAAA  
 Western Iron Wks., 123 Beale (Architectural; Ornamental) .....B  
**CAL.—Stockton**  
 Globe Iron Wks. (Architectural; Ornamental) .....B  
 Stockton Iron Wks. (Architectural; Ornamental) ..A  
**COLO.—Colorado Springs**  
 Hassell Iron Wks. (Architectural; Ornamental) ..B  
**COLO.—Denver**  
 Colorado Fuel & Iron Co. (Pig; Bar; Angles; Blooms; Billets; Sheet

**IRON & STEEL (Con.)**

Steel) .....AAAA  
 Colorado Iron Wks., 33d &  
 Wynkoop (Architectural;  
 Ornamental) .....AA  
 Davis Iron Wks. Co., 723  
 Larimer (Architectural;  
 Ornamental) .....A  
**CONN.—Bridgeport**  
 Bridgeport Malleable Iron  
 Co. (Malleable) .....AA  
 Am. Tube & Stamping Co.  
 (Cold; Hot Rolled Strip;  
 Sheet; Spring; Tool; Cor-  
 set; Bar Steel) .....AAA  
 Farist Steel Co. (Bar; Die;  
 Block; Tool; Steel) .....AAA

**Brewer 543 Register 482—**

Taylor, Thos. P. (Corset  
 Steel) .....B

**CONN.—Bristol**  
 Warner Bros. Co. (Corset  
 Steel) .....AAAA  
 Sessions Foundry Co. (Architectural;  
 Ornamental) .....AAA

**CONN.—East Berlin**  
 American Bridge Co. (Corrugated)  
 .....AAAA

**CONN.—Hartford**  
 Hartford Foundry Corp.  
 (Architectural; Ornamental)  
 .....B

**CONN.—Lime Rock**  
 Barnum-Richardson Co. (Salisbury  
 Charcoal Pig) .....AAA

**CONN.—Meriden**  
 Bradley & Hubbard Mfg. Co.  
 (Architectural; Ornamental)  
 .....AAAA

**CONN.—New Haven**  
 Nat. Steel & Wire Co.  
 (Steel Blooms; Billets;  
 Special Shapes; Cold  
 Drawn) .....AAAA  
 Omega Steel Co. (Tool  
 Steel) .....X

**CONN.—Waterbury**  
 Fry & Co., B. H., Porter &  
 S. Leonard (Architectural;  
 Ornamental) .....A  
 Waterbury Scrap Iron Co.  
 (& Steel Scrap) .....C

**DEL.—Marshalltown**  
 Marshalltown Iron & Steel  
 Co. (Sheet Steel) .....D

**DEL.—Newport**  
 Marshall Iron Co. (Sheet  
 Iron) .....B

**DEL.—Wilmington**  
 Diamond State Steel Co. (Architectural;  
 Ornamental  
 Bar; Steel Blooms; Billets)  
 .....AAA  
 Edge Moor Bridge Wks.  
 (Bridge) .....AAAA  
 Johnson Forge Co. (Bar) ..B  
 McCullough Iron Co. (Corrugated;  
 Black S. & I.  
 Sheets; Galvanized) ..AA  
 Stolleth Bros. (Steel Scrap)  
 .....B

**D. C.—Washington**  
 Allegheny Co. (Pig) .....D  
 Barber & Ross, 614 11th N.  
 W. (Architectural; Ornamental)  
 .....A  
 McGill, James H., McGill  
 Bldg. (Architectural; Ornamental)  
 .....A

**FLA.—St. Augustine**  
 Hamblen, O. F. (Architectural;  
 Ornamental) .....B

**GA.—Atlanta**  
 Atlanta Machine Wks. Co.  
 (Architectural; Ornamental)  
 .....B

**GA.—Augusta**  
 Lombard Iron Wks. & Supply  
 Co. (Architectural;  
 Ornamental) .....A

**GA.—Savannah**  
 Kehoe & Sons, Wm. (Architectural;  
 Ornamental) ..A  
 Rourke Iron Wks. (Architectural;  
 Ornamental) ..B

**ILL.—Aurora**  
 Love Bros. (Architectural;  
 Ornamental) .....A

**ILL.—Bloomington**  
 Amer. Fdry. & Furnace Co.

**IRON & STEEL (Con.)**

(Architectural; Ornamental)  
 .....A

**ILL.—Chicago**

Barbee Wire & Iron Wks.  
 44 Dearborn (Architectural;  
 Ornamental) .....B  
 Am. Steel & Wire Co. (Steel  
 Billets; Blooms; Angles;  
 Cold Rolled Spring; Strip;  
 Swedish) .....AAAA

Armstrong Bros. Tool Co.  
 (Self Hardening Steel).C

Block-Pollock Iron Co., Marquette  
 Bldg. (& Steel  
 Scrap) .....AA

Bolter & Sons, A., 84 La  
 Salle (Architectural; Ornamental)  
 .....B

Booth, John, 114 E. Lake  
 (Architectural; Ornamental)  
 .....B

Branmoeller & Son, Henry,  
 90 W. Van Buren (Architectural;  
 Ornamental) ..B

Butler Street Fdy. & Iron  
 Co., 3422 Butler (Architectural;  
 Ornamental) ..B

Chicago Bridge & Iron Co.,  
 105th & Throop (Architectural;  
 Ornamental) ...A

Crerar-Clinch & Co., Bookery  
 Bldg. (Pig) .....AA

Dauchy Iron Wks., 88 Illinois  
 (Cast; Wrought; Ornamental)  
 .....B

Dearborn Foundry Co., 1525  
 Dearborn (Cast; Wrought;  
 Arch'l; Ornamental) ..A

Hansell-Elcock Fdy. Co., 251  
 23d Pl. (Architectural;  
 Ornamental) .....A

Hirsch Co., L. K., Bookery  
 Bldg. (& Steel Scrap).B

Holmes, Pyott Co., 13 N.  
 Jeff (Architectural; Ornamental)  
 .....AA

Illinois Steel Co., The Bookery  
 (Pig; Steel Angles,  
 Blooms; Billets) .....AAAA

Inland Steel Co. (Steel  
 Blooms; Billets; Angles;  
 Bar) .....AAAA

Lieberman Iron Co., A. W.,  
 22d & S. Jefferson (& Steel  
 Scrap) .....C

Kenwood Bridge Co., 1st  
 Nat. Bank (Architectural;  
 Ornamental) .....B

McVoy & Co., John (Galvanized)  
 .....B

Morris & Co., S., 462 S. Canal  
 (& Steel Scrap) ...A

Ohio Iron & Metal Co., 108  
 La Salle (& Steel Scrap)  
 .....AAA

Pickands, Brown & Co.,  
 Rookery Bldg. (Pig)  
 .....AAAA

Republic Iron & Steel Co.,  
 Stock Exch. Bldg. (Staybolt;  
 Bessemer Foundry;  
 Mill Pig Bar; Steel Angles;  
 Blooms; Billets; Bars)  
 .....AAAA

Rogers, Brown & Co., Stock  
 Exch. Bldg. (Bessemer;  
 also Coke Pig) ...AAAA

Ryerson & Son., Jos. T.  
 (Staybolt; Bar Implement)  
 .....AAAA

Smith Iron & Wire Wks.,  
 100 Lake (Wrought; Cast;  
 Ornamental) .....B

South Chicago Furnace Co.,  
 The Rookery (Malleable  
 Bessemer Pig) .....AAAA

South Halsted Street Iron  
 Wks., 2611 S. Halsted  
 (Architectural; Ornamental)  
 .....B

Stern, Harris, 272 S. Clinton  
 (& Steel Scrap) ...C

Stevens & Co., Chas. G.  
 (Self Hardening Steel).C

Stevenson Pig Iron & Coke  
 Co., Fisher Bldg. (Coke;  
 Pig) .....A

Streeter, H. A., 35 Indiana  
 (Architectural; Ornamental)  
 .....A

Stroud & Co., E. H., 36  
 La Salle (Pig) .....D

Vierling, McDowell & Co.,



**IRON & STEEL (Con.)**

23d & Stewart Av. (Architectural; Ornamental) A  
 Voss, Frederick, 617 Austin Av. (Architectural; Ornamental) B  
 Western Iron & Steel Co., 39th & Emerald Av. (& Steel Scrap) B  
 Williams, Jacob, 403 S. Canal (& Steel Scrap) A  
**ILL.—Elgin**  
 Woodruff & Edwards Co. (Architectural; Ornamental) B  
**ILL.—Galesburg**  
 Frost Mfg. Co. (Architectural; Ornamental) A  
**ILL.—Joliet**  
 Bates Machine Co. (Architectural; Ornamental) A  
**ILL.—Macomb**  
 Fisher Arch Fdy. & Machine Shop (Architectural; Ornamental) B  
**ILL.—Peru**  
 Brumer, Charles (Architectural; Ornamental) A  
**ILL.—Quincy**  
 Central Iron Wrks. (Architectural; Ornamental) B  
 Rupp & Bros. Co., Geo., (& Scrap Steel) B  
**ILL.—Peoria**  
 Lanski & Son Scrap Iron Co. I. (& Steel Scrap) C  
**ILL.—Rockford**  
 Love Mfg. Co. (Architectural; Ornamental) B  
**IND.—Evansville**  
 Mesker & Co., Geo. L., 100 L. 1st (Arch.) X  
**IND.—Fort Wayne**  
 Fort Wayne Iron & Steel Co. (Bar) A  
 Kerr Murray Mfg. Co. (Architectural; Ornamental) A  
**IND.—Goshen**  
 Kelly Fdy. & Machine Co. (Architectural; Ornamental) A  
 Thomas Albright Co. (Architectural; Ornamental) A  
**IND.—Indianapolis**  
 Brown-Ketcham Iron Wrks., 2549 W. Michigan (Architectural; Ornamental) AAA  
 Hetherington & Berner Co., 27 W. South (Architectural; Ornamental) A  
 Moelke-Richards Iron Wrks. (Architectural; Ornamental) A  
**IND.—New Albany**  
 Ohio Falls Iron Co. (Stay-bolt; Bar) A  
**IND.—South Bend**  
 Sibley & Ware (Architectural; Ornamental) A  
 South Bend Foundry Co. (Architectural; Ornamental) B  
**IND.—Terre Haute**  
 Highland Iron & Steel Co. (Bar) AA  
 Prox & Brinkman Mfg. Co. (Architectural; Ornamental) A  
**IOWA—Burlington**  
 Murray Iron Wrks Co. (Architectural; Ornamental) A  
**IOWA—Clinton**  
 Clinton Bridge & Iron Wrks. (Architectural; Ornamental) AA  
**IOWA—Davenport**  
 Davenport Fdy. & Machine Co. (Architectural; Ornamental) B  
**IOWA—Des Moines**  
 American Iron Wrks. (Architectural; Ornamental) B  
 Des Moines Bridge & Iron Wrks. (Architectural; Ornamental) B  
 Des Moines Mfg. & Supply Co. (Architectural; Ornamental) A  
 Eagle Iron Wrks. (Architectural; Ornamental) B

**IRON & STEEL (Con.)**

**IOWA—Ottumwa**  
 Fair-Williams Bridge & Mfg. Co. (Architectural; Ornamental) B  
**KANS.—Atchison**  
 Seaton, John (Architectural; Ornamental) AA  
**KANS.—Kansas City**  
 Riverside Iron Wrks. Co., Central Av. & 4th (Architectural; Ornamental) A  
**KANS.—Leavenworth**  
 Missouri Valley Bridge & Iron Wrks. (Architectural; Ornamental) A  
**KANS.—Parsons**  
 Steele Hdw. Co. (Architectural; Ornamental) B  
**KANS.—Topeka**  
 Cofran, R. L. (Architectural; Ornamental) B  
**KY.—Ashland**  
 Ashland Steel Co. (Bessemer Pig; Steel Billets; Sheets) AAA  
 Ashland Sheet Mill Co. (Sheet Steel) AAA  
 Norton Iron Wrks. (Pig) AA  
**KY.—Covington**  
 Licking Rolling Mill Co. (Iron; Steel Angles; Sheets) B  
**KY.—Louisville**  
 Hickman, Williams & Co. (Pig) AA  
 O'Brien, P. (& Steel Scrap) B  
 Weber & Son, Simon (& Steel Scrap) B  
**KY.—Newport**  
 Newport Rolling Mill Co. (Sheet Steel) AA  
**LA.—New Orleans**  
 Hinderer's Iron Fence Wrks., 1116 Camp (Architectural; Ornamental) B  
 Marx, Alphonse (& Steel Scrap) B  
 Swoop, Julian M., 913 Girod (Architectural; Ornamental) A  
**LA.—Shreveport**  
 Hendersen Iron Wrks (Architectural; Ornamental) A  
**MAINE—Portland**  
 Megquier & Jones, 33 Pearl (Architectural; Ornamental) B  
**MD.—Baltimore**  
 Baltimore Bridge Co. (Architectural; Ornamental) AA  
 Bartlett, Hayward & Co., Continental (Architectural; Ornamental) AAA  
 Dufur & Co., 311 N. Howard (Architectural; Ornamental) B  
 Hoopes & Radford, 1018 Ashland Av. (& Steel Scrap) B  
 Smyser's Sons, E. G., 4 Light (Architectural; Ornamental) A  
 Wehr & Co., Pratt & President (& Steel Scrap) A  
 Winternitz, Hiram, 221 S. Howard (& Steel Scrap) A  
 Woolford, N. B., 914 S. B'way (& Steel Scraps) A  
**MD.—Cumberland**  
 Cumberland Steel & Tin Plate Co. (Bessemer Machinery; Plow; Tool Steel) A  
**MD.—Muirkirk**  
 Coffin, Chas. E. (Charcoal Pig) B  
**MASS.—Boston**  
 Boston Bridge Wrks., 70 Kilby (Architectural; Ornamental) A  
 Boston Steel & Iron Co., 101 Tremont (Architectural; Ornamental) A  
 Brown, Wales Co. (Swedish Steel) A  
 Dodge, Haley & Co. (Swedish Steel) AA  
 Fitz, Dana & Co. (Swed-

**IRON & STEEL (Con.)**  
 ish Steel) .....AA  
 Jones & Co., B. M., 81  
 Milk (Staybolt) .....AA  
 Harvey, Arthur C. (Swed-  
 ish Iron) .....D  
 Jones & Co., B. M., (Eng-  
 lish Steel) .....A  
 McLauthlin & Co., Geo. T.,  
 120 Fulton (Architectural;  
 Ornamental) .....A  
 New England Structural Co.,  
 110 State (Architectural;  
 Ornamental) .....A  
 Perry & Co., Wm. H., 120  
 Milk (& Steel Scrap) ..B  
 Smith Iron Co., 166 Devon-  
 shire (Architectural; Orna-  
 mental) .....A  
 Sylvester Co., 70 Kilby  
 (Bar) .....B  
 Ward & Sons, E. T. (Cold  
 Draw Shapes; Rolled  
 Strip; Tool) .....B  
**MASS.—Canton**  
 Kinsley Iron & Machine Co.  
 (Bar) .....AA  
**MASS.—Clinton**  
 Clinton Foundry Co. (Architectural; Ornamental) ..B  
**MASS.—Fall River**  
 Dunn, Wm. J. (& Steel  
 Scrap) .....B  
**MASS.—Hyde Park**  
 Pope-Robinson Co. (Crucible  
 Cast Steel) .....O  
**MASS.—Lowell**  
 Nichols, Albert F., 157 Wil-  
 lie (Architectural; Orna-  
 mental) .....A  
**MASS.—New Bedford**  
 McCullough, Jno. (& Steel  
 Scrap) .....O  
**MASS.—North Adams**  
 Hunter Machine Co., Jas.  
 (Architectural; Ornamen-  
 tal) .....A  
**MASS.—Paducah**  
 Jackson Foundry & Machine  
 Co. (Architectural; Orna-  
 mental) .....B  
**MASS.—Pittsfield**  
 Jones & Son Co., E. D. (Ar-  
 chitectural; Ornamental) ..B  
**MASS.—Richmond Furnace**  
 Richmond Iron Wrks. (Char-  
 coal; Pig) .....B  
**MASS.—Somerville**  
 Somerville Iron Foundry  
 (Architectural; Ornamen-  
 tal) .....B  
**MASS.—Springfield**  
 Springfield Fdy. Co., 95 Lib-  
 erty (Architectural; Orna-  
 mental) .....A  
**MASS.—Worcester**  
 Buxton & Son, E. (& Steel  
 Scrap) .....B  
 National Mfg. Co., 19 Union  
 (Architectural; Ornamen-  
 tal) .....B  
**MICH.—Bay City**  
 Smalley Bros. Co., 211 Sag-  
 inaw (Architectural; Orna-  
 mental) .....B  
**MICH.—Detroit**  
 Barnum Wire & Iron Wrks.,  
 99 Shelby (Architectural;  
 Ornamental) .....B  
 Buhl Sons Co. (Bar; Sheet  
 I. & S.) .....AAA  
 Ginsberg & Sons, R. L., 542  
 Franklin (& Steel Scrap)  
 AA  
 Peninsular Iron Mfg. Co.,  
 Bellevue Av. (Pig) ....B  
 Riverside Scrap Iron &  
 Steel Co. (& Steel Scrap)  
 C  
 Wilson Co., J. B., 18th &  
 Fort (Architectural; Orna-  
 mental) .....A  
**MICH.—Elk Rapids**  
 Elk Rapids Iron Co. (Pig)  
 AAA  
**MICH.—Grand Rapids**  
 Butterworth & Lowe (Ar-  
 chitectural; Ornamental) ..A  
 Leitell Iron Wrks., Adolph,  
 5 Erie (Architectural; Orna-  
 mental) .....B  
 Michigan Iron & Metal Co.  
 (Architectural; Ornamen-

**IRON & STEEL (Con.)**  
 tal) .....A  
 Superior Charcoal Iron Co.  
 (Charcoal Pig) .....A  
**MICH.—Jackson**  
 Holton & Weatherwax (Ar-  
 chitectural; Ornamental) ..B  
 Jackson Corset Steel Wrks.  
 A  
**MICH.—Kalamazoo**  
 Harrow Spring Co. (Imple-  
 ment; Spring; Tool; Bar  
 Steel) .....B  
 Polasky, Geo. (& Steel  
 Scrap) .....O  
**MICH.—Muskegon**  
 Rodgers Iron Mfg. Co. (Ar-  
 chitectural; Ornamental) ..A  
**MICH.—Saginaw**  
 Bartlett & Co., A. F., 980  
 S. Tilden (Architectural;  
 Ornamental) .....A  
 Clinkofastine, Layne S. (&  
 Steel Scrap) .....O  
 Jackson & Church Co. (Ar-  
 chitectural; Ornamental) ..A  
 Mitts & Merrill, 1009 S. Til-  
 den (Architectural; Orna-  
 mental) .....B  
 Wickes Bros., 512 N. Tilden  
 (Architectural; Ornamen-  
 tal) .....AA  
**MINN.—Duluth**  
 National Iron Co., 116 S.  
 17th (Architectural; Orna-  
 mental) .....B  
**MINN.—Minneapolis**  
 Amer. Bridge Co., 2d & 6th  
 Av. (Architectural; Orna-  
 mental) .....AAAA  
 Crown Iron Wrks., 115 2d  
 S. E. (Architectural; Orna-  
 mental) .....B  
 Diamond Iron Wrks., 1800  
 N. 1st (Architectural; Orna-  
 mental) .....B  
 Flour City Ornamental Iron  
 Wrks. (Architectural; Orna-  
 mental) .....B  
 Minneapolis Steel & Ma-  
 chinery Co. (Cast;  
 Wrought; Ornamental) ..A  
 Northwestern Foundry, 310  
 10th Av., S. (Architectur-  
 al; Ornamental) .....A  
**MINN.—St. Paul**  
 South Park Fdy. & Ma-  
 chine Co., 11 Gilfillan  
 Bldg. (Architectural; Orna-  
 mental) .....AA  
**MO.—Kansas City**  
 Kansas City Bolt & Nut Co.  
 (Bar) .....A  
 Kansas City Wire & Iron  
 Wrks., 1428 Oak (Architectural; Ornamental) ..B  
**MO.—St. Louis**  
 Aetna Iron Wrks., 21st &  
 Papin (Architectural; Orna-  
 mental) .....B  
 Amer. Car & Fdy. Co. (Ar-  
 chitectural; Ornamental;  
 Bar) .....AAAA  
 Bannantine Galv. & Iron Co.  
 (Galv. Sheets) .....A  
 Banner Iron Wrks., Koken  
 Bldg. (Architectural; Orna-  
 mental) .....B  
 Christopher Simpson Arch'l  
 Iron & Foundry Co., 81  
 Park Av. (Architectural;  
 Ornamental) .....AA  
 De Camp Bros. & Yale Iron,  
 Coal & Coke Co., Mo.  
 Trust Bldg. (Pig) ....AA  
 Donk Bros. Coal & Coke Co.,  
 314 N. 4th (Pig) ....A  
 Ewald Iron Co., 939 N. 2d  
 (Blooms, Staybolt; Bar;  
 Hammered; Pig; Sheet;  
 Bar Steel) .....AAA  
 Globe Iron & Fdy. Co., 901  
 Victor (Architectural; Orna-  
 mental) .....B  
 Harry Steel Wrks., O. K.  
 (Sheets) .....B  
 Helmbacher Forge & Rolling  
 Mill Co. (Bar) .....AA  
 Hesser & Co., Jno. S., 224  
 N. 4th (Pig) .....B  
 Hirsh Rolling Mill Co. (Iron  
 Angles) .....A

**IRON & STEEL (Con.)**

Koken Iron Wrks., Koken Bldg. (Architectural; Ornamental) .....AA  
 Ludlow-Saylor Wire Co., 4th & Elm (Architectural; Ornamental) .....AA  
 Mesker & Bro., 423 S. 6th Architectural; Ornamental) .....AA  
 St. Louis Blast & Furnace Co., Union Tr. Bldg. (Pig) .....AA  
 Souther Iron Co., E. E. (Corrugated I. & S.) .....A  
 Spuck Iron & Fdry. Co., 1013 N. 11th (Architectural; Ornamental) ....B  
 Stupp Bros. Bridge & Iron Co., 7th & Shenandoah Av. (Architectural; Ornamental) .....A  
 Union Iron & Fdry. Co., 1458 S. 2nd (Architectural; Ornamental) .....B  
**MONT—Anaconda**  
 Anaconda Copper Mining Co. (Architectural; Ornamental) .....AAAA  
**MONT—Helena**  
 Cavid & Hawksworth (Architectural; Ornamental) ..B  
**MONT—Great Falls**  
 Great Falls Iron Wks. (Architectural Ornamental) .....B  
**NEBR.—Omaha**  
 Paxton & Vierling Iron Wks. S. 17th (Architectural; Ornamental) .....A  
**N. H.—Concord**  
 Concord Foundry Co. (Architectural; Ornamental) ..B  
**N. J.—Bayonne**  
 Clark Iron Foundry (Architectural; Ornamental) ..AA  
**N. J.—Boonton**  
 Lincoln Iron Works (Pig) ..B  
**N. J.—Dover**  
 Ulster Iron Wks. (Staybolt; Bar) .....AA  
**N. J.—Elizabeth**  
 Moore & Sons Co., S. L. (Architectural; Ornamental) .....A  
**N. J.—Harrison**  
 Crucible Steel Co. of America; Blooms; Tool; Bar; Cast; Drill Steel) ..AAAA  
**N. J.—High Bridge**  
 Taylor Iron & Steel Co. (Manganese Steel) ..AAAA  
**N. J.—Hoboken**  
 Fagan Iron Wks., 309 Jeff (Architectural; Ornamental) .....A  
**N. J.—Jersey City**  
 Jersey City Galv. Wks. (Galv. I. & S. Sheets) ..B  
 Natl. Sheet Metal Roofing Co., 339 Grand (Architectural; Ornamental) .....B  
 Sneed & Co. Iron Wks., ft. Pine (Architectural; Ornamental) .....A  
 Spauldings & Jennings Co. (Tool Steel) .....AAAA  
**N. J.—Newark**  
 Benisch & Son, Chas. (Steel Scrap) .....B  
 Burns Iron Wks., 201 Commerce (Architectural; Ornamental) .....B  
 Hay Fdry. & Iron Wks. (Architectural; Ornamental) .....A  
 Heller Bros. Co. (Self-Hardening Tool Steel) AA  
**N. J.—Orange**  
 Orange Iron Wks., Alden (Architectural; Ornamental) .....B  
**N. J.—Oxford**  
 Janson Steel & Iron Co. (Bar) .....B  
**N. J.—Paterson**  
 Eastwood Co., Benj. (Architectural; Ornamental) ..A  
 Passaic Steel Co. (I. & S. Angles) .....A  
 Passaic Rolling Mill Co. (I. & S. Angles) .....A

**IRON & STEEL (Con.)**

**N. J.—Perth Amboy**  
 Pardee Wks. Co. (Cold Drawn; Bar Steel) ....AAA  
**N. J.—Phillipsburg**  
 Amer. Sheet Iron Co. (Block Sheets) .....AA  
**N. J.—Trenton**  
 MacKenzie & Duncan (Architectural; Ornamental) ..A  
 Trenton Iron Co. (Merchant; L. T. & Z.) .....A  
**N. J.—Wharton**  
 Wharton, Joseph (Pig) .....AAAA  
**N. Y.—Albany**  
 McKinney & Son, J., 925 B'way (Architectural; Ornamental) .....A  
**N. Y.—Auburn**  
 Tuttle & Co., C. W. (Bar) .....A  
**N. Y.—Binghamton**  
 Shapley & Wells, 118 Wash. (Architectural; Ornamental) .....A  
**N. Y.—Brooklyn**  
 Hecla Iron Wks. (Architectural; Ornamental) ..AA  
 Chrome Steel Wks. (Bar; Cast; Chrome; Safe; Vault Steel) .....AAA  
 Miller & Van Winkle (Cold Rolled Strip; Corset Steel) .....A  
 Samuel's Sons, Kent Av. & N. 2d (Steel Scrap) ....A  
**N. Y.—Buffalo**  
 Brinker Coal Co., J. M., Mooney Bldg. (Pig) ....X  
 Buffalo Structural Steel Wks. (Architectural; Ornamental) .....B  
 Ernst, Chas. F., 311 Walnut (Architectural; Ornamental) .....A  
 Ginsburg & Sons, R. L. (Steel Scrap) .....A  
 Ginther's Sons, J., 419 B'way (Architectural; Ornamental) .....A  
 Harrower, H. C., 35 Court (Architectural; Ornamental) .....B  
 Hofeller & Son, Theo., 98 Terrace (Steel Scrap) ..B  
 Jones Iron Wks., 308 Terrace (Architectural; Ornamental) .....B  
 Lackawanna Steel Co. (Bar) .....AAAA  
 Pratt & Letchworth Co. (Malleable) .....AAA  
 Shepard, Chas. G., 40 Elliott Sq. (Domestic; Foreign Pig; Bar) .....B  
 Tonawanda Iron & Steel Co., Erie Co. Bank Bldg. (Pig) .....AAAA  
 Ullman's Sons, D., 229 Van Rensselaer (Steel Scrap) .....A  
**N. Y.—Cohoes**  
 Cohoes Iron Fdy. & Machine Co. (Architectural; Ornamental) .....A  
 Cohoes Rolling Mill Co. (Bar) .....AA  
**N. Y.—Elmira**  
 Elmira Rolling Mill Co. (Bar) .....B  
**N. Y.—Long Island City**  
 Daly, Jno. J., (Steel Scrap) .....C  
 Richey, Browne & Donald (Architectural; Ornamental) .....A  
**N. Y.—Newburgh**  
 Coldwell-Wilcox Co. (Architectural; Ornamental) ..B  
 Hart, Patrick (Steel Scrap) .....A  
**New York City**  
 Abendroth & Root Mfg. Co. (Galvanized) .....A  
 Allen Co., Edgar (Manganese Steel) .....B  
 Am. Sheet Steel Co. (Cold Rolled; Bessemer; Open Hearth; Galvanized Steel Sheets) .....AAAA  
 Blake, M. J. & M., 10th Av.

**IRON & STEEL (Con.)**  
 & 15th (Steel Scrap) ...A  
 Bowes, Jno. J., 227 W. 29th  
 (Architectural; Orna-  
 mental) .....B  
 Braun, J. G. (Architectural;  
 Ornamental) .....B  
 Cary Spring Works (Corset;  
 Clock; Watch Spring  
 Steel) .....D  
 Continental Iron & Steel Co.  
 25 Broad (Steel Scrap) B  
 Cooper, Hewitt & Co., (Pig;  
 Anthracite; Bessemer  
 Pig) .....AAAA  
 Cornell Co., J. B. & J. M.,  
 26th & 11th Av. (Architec-  
 tural; Structural) ...AA  
 Crocker Bros., 99 John (Pig)  
 AAA  
 Dana & Co., 32 B'dway.  
 Swedish Steel) .....AA  
 Dimond, Thos., 128 W. 33d  
 (Architectural; Orna-  
 mental) .....A  
 Dominion Iron & Steel Co.,  
 100 B'dway. (Steel Bil-  
 lets; Blooms) .....AAAA  
 Fuller Bros. & Co., 139  
 Greenwich (Staybolt) ..D  
 Hobson, Houghton & Co.,  
 Ltd., 98 John (Crucible  
 Cast; Saw; Tool; Self-  
 Hardening Steel) .....A  
 Illingworth Steel Co., Jno.,  
 25 Cliff (Cold Drawn  
 Steel) .....B  
 Happel, Adam, 1801 1st  
 Av. (Architectural; Orna-  
 mental) .....B  
 Jackson Arch'l Iron Wks.,  
 815 E. 28th (Architec-  
 tural; Ornamental) ...AA  
 Jackson Co., Wm. H., 29  
 E. 17th (Architectural;  
 Ornamental) .....A  
 Jessup & Sons, Ltd., Wm.,  
 91 John (Cold Rolled; Cru-  
 cible; Cast; Die; Shear;  
 Saw; Tool Steel) ...AAA  
 Hahn Bros., 525 E. 19th  
 (Steel Scrap) .....AA  
 Lefferts Galvanizing Wks.  
 (Galvanized) .....O  
 Leonard & Co., Jno., 220  
 B'way (Steel Scrap) ...AA  
 Levering & Garrigues, 552  
 W. 23d (Architectural;  
 Ornamental) .....B  
 Lewinson & Just, 128 W.  
 42d (Architectural; Orna-  
 mental) .....B  
 Milne & Co., A., 1 B'dway.  
 (Norway Steel) .....AA  
 Moseley Iron Bridge & Roof  
 Co. (Corrugated; Galvan-  
 ized; Painted) .....B  
 Mott Iron Wks., J. L., 88  
 Beekman (Architectural;  
 Ornamental) .....AA  
 Nicoll & Co., B., 59 Wall  
 (Blastic; Bessemer; Forge;  
 Foundry Pig) .....AAA  
 Ogden & Wallace (Dlrs. in  
 Bar; Carriage; Car Wheel;  
 Cylinder; Hammered;  
 Hoop; Horse Shoe; Mer-  
 chant Iron; Steel) .....A  
 Pierson & Co., 29 B'way  
 (Architectural; Orna-  
 mental; Bar; Swedish;  
 I. & S.) .....AAAA  
 Radley & Co., 624 E. 19th  
 (Architectural; Orna-  
 mental) .....A  
 Railway Steel Spring Co.  
 (Spring Steel) .....AAA  
 Schnatz & Massoth, 127 E.  
 76th (Architectural; Orna-  
 mental) .....B  
 Shriver & Co., T., 336 E.  
 56th (Architectural; Orna-  
 mental) .....A  
 Smith Co., Morton B., 243  
 Front (Steel Scrap) .....A  
 Todd, J. H. L., 11 William  
 (Swedish Steel) .....D  
 U. S. Metal & Mfg. Co., 25  
 Broad (Steel Scrap) ...A  
 U. S. Steel Corp. (Angles;  
 Blooms; Bars; Billets) ...  
 AAAA  
 Vreeland, G. A., 229 W.

**IRON & STEEL (Con.)**  
 36th (Architectural; Orna-  
 mental) .....B  
 Wardlow, S. & Co., 95 John  
 (Cold Rolled Strip; Cast;  
 Crucible; Cutting; Die;  
 Tool; Spring Steel) ...AA  
 Westervelt, A. B. & W. T.,  
 102 Chambers (Architec-  
 tural; Ornamental) ...B  
 Wheelock, Lovejoy & Co.  
 (Swedish Steel) .....A  
 Williams, John, 556 W. 27th  
 (Architectural; Orna-  
 mental) .....B  
 N. Y.—Poughkeepsie  
 Poughkeepsie Iron Co., (Pig)  
 A  
 N. Y.—Rochester  
 Genesee Metal Wks. (Architec-  
 tural; Ornamental) AA  
 Hughes & Co., F. L., 190  
 South Av. (Architectural;  
 Ornamental) .....B  
 Hey & Co. (Steel Scrap) ..B  
 N. Y.—Rome  
 Rome Merchant Iron Mill  
 (Staybolt; Bar) .....AA  
 N. Y.—Syracuse  
 Ames Iron Wks., The Mas-  
 stable (Architectural; Orna-  
 mental) .....AA  
 Eckels-Nye Steel Co. (Bar)  
 B  
 Economy Fdy. & Machine  
 Co., W. Belden Av. (Architec-  
 tural; Ornamental) ..B  
 Sanderson Bros. Steel Co.  
 (Tool; Axe; Crucible; Cut-  
 lery; Drill; Machinery  
 Steel) .....AAAA  
 Syracuse Arch'l Iron Wks.,  
 107 N. Franklin (Architec-  
 tural; Ornamental) ..B  
 Sweets Steel Co. (Imple-  
 ment; Spring; Axe; File;  
 Tool; Bar Steel) .....A  
 Syracuse Malleable Iron  
 Wks. (Malleable) .....A  
 N. Y.—Tonawanda  
 Buffalo Steel Co. (Angles;  
 Bars; Implement Steel)  
 AA  
 N. Y.—Troy  
 Burden Iron Co. (Bar; Pig)  
 AAAA  
 Mahony Mfg. Co., 5th Av.  
 (Architectural; Orna-  
 mental) .....B  
 Troy Malleable Iron Co.  
 (Malleable) .....A  
 West Side Foundry Co., 8d  
 Av. (Architectural; Orna-  
 mental) .....A  
**OHIO—Cambridge**  
 Cambridge Rolling Mill Co.  
 (S. & I. Angles; Billets;  
 Implement) .....A  
**OHIO—Canton**  
 Bergen Mfg. Co. (Galvan-  
 ized; Corrugated; I. & S.)  
 AA  
 Canton Bridge Co. (Architec-  
 tural; Ornamental) ...  
 AAAA  
 Canton Iron Co. (Drill  
 Steel) .....A  
 Canton Iron & Metal Co.  
 (Steel Scrap) .....A  
 Canton Steel Co. (Cast;  
 Spring; Tool Steel) ...AA  
 Carnahan Tin Plate & Sheet  
 Steel Co. ....AAA  
 Stark Rolling Mill Co.  
 (Sheet Iron) .....B  
**OHIO—Cincinnati**  
 Amer. Galvanizing Co. (Galvan-  
 ized) .....E  
 Brackett Bridge Co., Atlas  
 Bank Bldg. (Architec-  
 tural; Ornamental) ...B  
 Dayton Coal & Iron Co.,  
 Johnston Bldg. (Pig) ...  
 AAAA  
 Dombhoff & Joyce Co., Raw-  
 son Bldg. (Pig) .....B  
 Globe Rolling Mill Co. (Bar;  
 Carriage; Hoop; Horse  
 Shoe; Pig; Staybolt; Imple-  
 ment) .....A  
 Hoefinghoff & Lane Mfg.  
 Co., 500 E. Front (Architec-  
 tural; Ornamental) ..A

**IRON & STEEL (Con.)**  
 Hyndman Steel Roofing Co. (Corrugated) .....C  
 Joseph Iron Co., Isaac, 525 Hunt (Steel Scrap)....B  
 Klein & Cohn, 830 Wade (Steel Scrap) .....B  
 Schreiber & Sons Co., 8th & Eggleston Av. (Architectural; Ornamental) ...AA  
 Stacy Mfg. Co., 239 Mill (Architectural; Ornamental) .....A  
 Stewart Iron Wks., 714 E. 3d (Architectural; Ornamental) .....A  
**OHIO—Cleveland**  
 Bassett-Presley Co. (Staybolt) .....AA  
 Bourne-Fuller Co., Perry-Payne Bldg. (Bessemer; Foundry Pig) .....AA  
 Brooks & Co., T. H., 980 Lake (Architectural; Ornamental) .....A  
 Brown & Co., Harvey H., Perry-Payne Bldg. (Pig) .....AAAA  
 Cleveland City Forge & Iron Co. (Hammered; I. & S.) .....AA  
 Cleveland Cliff Iron Co., Mercantile Bank (Pig).....AAAA  
 Cleveland Rolling Mill Co. (Billets; Bars; Machinery; Spring Steel) .....AAAA  
 Cohen, Magusky & Co., 184 Wilson Av. (Steel Scrap) B  
 Empire Rolling Mill Co. (Bar) .....A  
 Federal Mfg. Co. (Cold Rolled Steel) .....AAAA  
 Forest City Steel & Iron Co., Ramsey (Architectural; Ornamental) ....A  
 Garry Iron & Steel Roofing Co. (Corrugated) .....A  
 Hanna & Co., M. A., Perry-Payne Bldg. (Bessemer; Foundry; Charcoal Pig).....AAAA  
 King Bridge Co., St. Clair (Architectural; Ornamental) .....AAA  
 Lake Erie Iron Co. (Bar; Hoop) .....AAA  
 Otis Steel Co. (Bar; Billets) .....A  
 Pickands, Mather & Co. (Pig; Bar) .....AAAA  
 Runyon, Stubbs & Co. (Pig) AA  
 Schwarzenberg, Henry H., Cuyahoga Bldg. (Steel Scrap) .....C  
 Shimer & Co., Saml. M. (Steel Scrap) .....C  
 Stewart Iron Co., Perry-Payne Bldg. (Pig; Billets) .....AAA  
 Struthers Furnace Co., Perry-Payne Bldg. (Pig) AAA  
 Tod, Stambaugh & Co., Perry-Payne Bldg. (Pig) AA  
 Tyler Co., W. S., 1150 St. Clair (Architectural; Ornamental) .....AA  
 Union Rolling Mill Co. (Staybolt; Merchant; Bar; Rivet; I. & S.) .....AA  
 Van Dorn Iron Wks., 1793 E. Madison (Architectural; Ornamental)....AA

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Variety Iron Wks. Co., Case Av. (Architectural; Ornamental) .....B  
 Wellman-Seaver-Morgan Co. (Machy. Steel) .....AAAA  
**OHIO—Columbus**  
 Columbus Iron & Steel Co. (Foundry; Bessemer; Malleable Pig) .....AAAA  
 Hayden Saddlery Hdw. Co. (Architectural; Ornamental) .....AAAA  
 Morris & Co., O. E. (Architectural; Ornamental) .B  
 Rarig Engineering Co., A. K., 5th Av. (Architectural; Ornamental) .....A  
**OHIO—Cuyahoga Falls**  
 Falls Hollow Staybolt Co. (Hollow; Solid Boiler Staybolt) .....A  
**OHIO—Dayton**  
 Dayton Malleable Iron Co. (Malleable) .....AAA  
**OHIO—Dennison**  
 Dominion Rolling Mills (Sheet Steel) .....F  
**OHIO—Elyria**  
 June & Co., D. (Architectural; Ornamental) .AA  
 Columbia Steel Wks. (Cold Rolled; Sheet; Strip; Spring Steel) .....AAA  
**OHIO—Fremont**  
 Lehr Agricultural Co. (Architectural; Ornamental) .B  
**OHIO—Girard**  
 Girard Iron Co. (Bessemer; Foundry; Grey Forge Pig) A

**OHIO—Ironton**  
 Belfont Iron Wks. Co. (Pig) .....AAA  
 Kelly Nail & Iron Co. (Pig) .....AA  
**OHIO—Jackson**  
 Globe Iron Co. (Pig)....AA  
 Star Furnace Co. (Pig)....A  
**OHIO—Kenton**  
 Champion Iron Co. (Architectural; Ornamental) .AA  
**OHIO—Leetonia**  
 McKeefrey & Co. (Pig) .AAA  
 Salem Iron Co. (Pig) .AAAA  
**OHIO—Lisbon**  
 Beaver Tin Plate Co. (Cold Rolled & Sheet Steel) AAAA

**OHIO—Lowellville**  
 Ohio Iron & Steel Co. (Foundry & Bessemer) .....AA  
**OHIO—Marietta**  
 Pattin Bros. Co. (Architectural; Ornamental) .....B  
**OHIO—Middletown**  
 American Rolling Mill Co. (Sheet; Galvanized Steel) AA

**OHIO—New Comerstown**  
 Tuscarora Steel Co. (Sheet Steel) .....A  
**OHIO—Niles**  
 Emnre Iron & Steel Co. (Sheet; Galvanized; Bar) A

**IRON & STEEL (Con.)**  
Niles Iron & Steel Co.  
(Sheet; Galvanized Steel) .....B  
Ohio Galvanized & Mfg. Co.  
(Galvanized Sheet) .....B  
**OHIO—Norwalk**  
Norwalk Iron & Steel Co.  
(Implement Plow; Crucible Steel) .....AA  
**OHIO—Sandusky**  
Klotz Machine Co. (Architectural; Ornamental).....B  
**OHIO—Springfield**  
Springfield Malleable Iron Co. (Malleable) .....A  
**OHIO—Steubenville**  
La Belle Iron Works (Billets; Bloom; Basic; Merchant; Shovel) ....AAAA  
**OHIO—Toledo**  
Toledo Fdy. & Machine Co. (Architectural; Ornamental) .....B  
Toledo Furnace Co. (Scotch Fdy.; Malleable Pig) .....AAAA  
**OHIO—Youngstown**  
Andrews & Hitchcock Iron Co. (Bar; Hoop; Pig; Bessemer Pig) .....AA  
Baler, Hill Iron & Coal Co. (Bessemer Pig) .....AA  
Finished Steel Co. (Cold Drawn Steel) .....B  
Youngstown Bolt Co. (Bar) .....A  
Youngstown Iron Sheet & Tube Co. (Pig; Skelp; Sheet; Bar) .....AAAA  
Youngstown Iron & Steel Roofing Co. (Galvanized Sheets) .....B  
Youngstown Steel Co. (Bessemer; Basic; Billets; Forge Pig) .....AA  
**OHIO—Zanesville**  
Muskogum Valley Steel Co. (Sheet Steel) .....A  
**OREGON—Portland**  
Pacific Bridge Co. (Architectural; Ornamental).....B  
Portland Iron Works, 495 Northrup (Architectural; Ornamental) .....A  
Smith & Watson Iron Wks., foot Hall (Architectural; Ornamental) .....B  
Willamette Boiler Works, 123 3d N. (Architectural; Ornamental) .....B  
**PA.—Alliquippa**  
Vulcan Crucible Steel Co. (Steel Billets; Tool; Axe; Ball; Die; Shear; File; Fork; Knife; Drill; Spring Steel) .....B  
**PA.—Allegheny**  
Albree, Chester B., 1129 Market (Architectural; Ornamental) .....A  
Jones & Co., J. B. (& Steel Scrap) .....B  
Rosedale Fdy. Co., cor. Washn. & Preble Av. (Ornamental; Architectural) .....B  
Solomon, Julius, 2030 Knox (& Steel Scrap) .....A  
**PA.—Allentown**  
Allentown Fdy. & Machine Works Co. (Architectural; Ornamental) .....A  
Allentown Rolling Mills (Pig; Bar) .....AAAA  
**PA.—Altoona**  
Altoona Iron Co. (Bar)....A  
**PA.—Beaver Falls**  
Standard Gauge Steel Co. (Squares; Rounds; Angles; Special Shapes) .....B  
Union Drawn Steel Co. (Cold Drawn; Rolled; Bar Steel) .....AA  
**PA.—Bellefonte**  
Bellefonte Furnace Co. (Pig) .....A  
**PA.—Birdsboro**  
Brooke Iron Co., E. & G. (Pig) .....AAA  
**PA.—Bloomsburg**  
Harman & Hassert (Architectural; Ornamental)....A  
**PA.—Braeburn**  
Braeburn Steel Co. (Spring; Tool; Machinery; Hammer; Clock; Drill; Bar Steel) .....A  
**PA.—Bradford**  
Caldwell & Co., E. R. (Architectural; Ornamental) .....B  
**PA.—Burnham**  
Logan Iron & Steel Co. (Angles, &c.) .....AA  
**PA.—Catasauqua**  
Empire Steel & Iron Co. (Bessemer; Foundry Pig) .....AAAA  
**PA.—Carnegie**  
Superior Steel Co. (Hot; Cold Rolled Strip Steel).B  
**PA.—Chiswick**  
Chiswick Mfg. Co. (Implement Steel) .....D  
**PA.—Clearfield**  
Clearfield Steel & Iron Co. (Skelp) .....AA  
**PA.—Chester**  
Tidewater Steel Co. (Billets; Blooms) .....AAAA  
**PA.—Danville**  
Curry & Vannam (Architectural; Ornamental) ....A  
**PA.—Coatesville**  
Lukens Iron & Steel Co. (Billets; Blooms; Boiler Plate) .....AAAA  
**PA.—Connellsville**  
Sligo Iron & Steel Co. (Bar) .....B  
**PA.—Conshohocken**  
Longmead Iron Co. (Skelp) .....AA  
Wood Bros. Co., J. (Sheet Steel) .....AA  
**PA.—Corry**  
McInnes Steel Co. (Self-Hardening Tool; Bar)....C  
**PA.—Demmler**  
Firth-Sterling Steel Co. (Tool) .....AAA  
**PA.—Dubois**  
Dubois Iron Wks. (Architectural; Ornamental) AAAA  
**PA.—Easton**  
Thomas Iron Co. (Pig) .....AAAA  
**PA.—Emporium**  
Emporium Iron Co. (Foundry Pig) .....X  
**PA.—Erie**  
Ball Engine Foundry Co. (Architectural; Ornamental) .....AA  
Erie Malleable Iron Co. (Malleable) .....AA  
Griffin Mfg. Co. (Cold Rolled Strip Steel) .....A  
**PA.—Harrisburg**  
Central Iron & Steel Co. (Malleable) .....AAAA  
**PA.—Hollidaysburg**  
Eleanor Iron Co. (Skelp) ..B  
Hollidaysburg Iron & Nail Co. (Steel Angles).....A  
McLanahan Stone Machine Co. (Architectural; Ornamental) .....A  
**PA.—Johnstown**  
Cambria Steel Co. (Blooms; Billets; Implement; Cold Rolled; Spring; Bar) .....AAAA  
**PA.—Lancaster**  
Pennsylvania Iron Co. (Bar) .....A  
**PA.—Lebanon**  
American Iron & Steel Mfg. Co. (Stay Bolt; Bar) .....AAAA  
West End Rolling Mill Co. & Chain Works (Bar; Stay Bolt; U-Bar) .....A  
Wiemer Machine Wks. Co. (Architectural; Ornamental) .....AA  
**PA.—Leechburg**  
West Leechburg Steel & Tin Plate Co. (Strip Steel) ..B  
**PA.—McKees Rocks**  
Kidd Bros. & Burgher Steel & Wire Co. (Bar; Cold Rolled; Crucible; Tool;

**IRON & STEEL (Con.)**

Die, &c., Steel).....B  
 Lockhart Iron & Steel Co.  
 (Staybolt; Borter Brace;  
 I. & S. Angles).....AA  
**PA.—Mauch Chunk**  
 Carbon Iron & Steel Co.  
 (Pig).....AA  
 Stroh & Son, Wm. H. (Arch-  
 itectural; Ornamental)..B  
**PA.—Monaca**  
 Pittsburg Tool Steel Wire  
 Co. (Cold Drawn Shapes) O

**PA.—New Castle**  
 Atlantic Iron & Steel Co.  
 (Bessemer Pig; Skelp)..B  
 Elliott, Blair Steel Co. (Cold  
 Rolled Spring & Strip  
 Steel).....B

**PA.—Pencoyd**  
 Roberts Co., A. & P. (Bar;  
 Ship).....AAAA

**PA.—Philadelphia**  
 Adams & Co., Wm., 960 N.  
 9th (Architectural; Orna-  
 mental).....B  
 Baizley Iron Works, 514 S.  
 Del. Av. (Architectural;  
 Ornamental).....AA  
 Belmont Iron Works, 22d &  
 Washn. Av. (Architec-  
 tural; Ornamental)....A  
 Cabeen & Co., R. E., Trust  
 Bldg. (Bar).....B  
 Cambria Steel Co. (Bars;  
 Angles; Blooms).....AAAA  
 Camden Iron Works (Bar)..A

**PA.—Philadelphia**  
 Cox, Jr., Justus, 183 S. 4th  
 (Bessemer; Forge; Foun-  
 dry; Low Phos. Pig)....X  
 Creswell Iron Works, Saml.  
 J., 23d & Cherry (Arch-  
 itectural; Ornamental)..B  
 Cunliffe, Robert M., 140  
 Washn. Av. (& Steel  
 Scrap).....B  
 Damascus Nickel Steel Co.  
 (Tool; Machy.; Bar; Nick-  
 el Steel).....D  
 Darby & Sons, E., 233 Arch  
 (Architectural; Ornamen-  
 tal).....A  
 De Cou, Richard, 12th &  
 Noble (& Steel Scrap)..B  
 Devlin Mfg. Co., Thos. (Mal-  
 leable).....AA  
 Dimmick & Co., J. K. (Pig)  
 A

Disston & Sons, Hy. (Steel;  
 Squares; Flats; Strip;  
 Tool; Saw; Outlery; Ma-  
 chinery).....AAAA  
 Dreifus, Trimble & Co., E.,  
 Arcade Bldg. (& Steel  
 Scrap).....B  
 Duncannon Iron Co. (Bar;  
 Horseshoe).....AA  
 Flagg & Co., Stanley G.  
 (Malleable).....AAA  
 Foster & Co., Alex., 2325  
 Spg. Garden (Tool Steel)  
 D

Gaulbert & Caskey, York &  
 American (Bar).....A  
 Girard Iron & Metal Co.,  
 E. York & Aramingo (&  
 Steel Scrap).....B  
 Gillingham & Co., H. F.,  
 1013 N. Front (& Steel  
 Scrap).....B  
 Hitner's Sons, Hy. A., 2239  
 Vine (& Steel Scrap)..B  
 Houston & Co., O. B., Girard  
 Bldg. (& Steel Scrap)..A  
 Hughes & Patterson, 800  
 Richmond (Stay Bolt).AA  
 Johnson & Co., Geo. T.,  
 Drexel Bldg. (Pig)....B  
 Kaiser & Co., A. V., 222 S.  
 8d (& Steel Scrap)....B  
 Law & Co., Ernest, Harrison  
 Bldg. (& Steel Scrap;  
 Bar).....A  
 Leaf & Co., E. B., R. E.  
 Trust Bldg. (Bar)....A  
 McInnes & Co., Chas. E.  
 (Bar).....C  
 Logan Iron & Steel Co., Har-  
 rison Bldg. (Charcoal Pig;  
 Angles; Stay Bolt)....AA  
 Marshall Bros. & Co. (Gal-

**IRON & STEEL (Con.)**

vanized Sheets).....AA  
 Midvale Steel Co. (Blooms;  
 Billets; Spring; Tool;  
 Bar Steel).....AAAA  
 Mohr, J. J., Bullitt Bldg.  
 (Foundry; Forge; Char-  
 coal; Bessemer Pig)....B  
 Morris, Wheeler & Co. (Mer-  
 chant Pig; Bar Iron &  
 Steel).....AAA  
 Newkirk & Co., Jno. B.,  
 Harrison Bldg. (& Steel  
 Scrap; Bar).....B  
 Penna. Steel Co. (Pig; Ship;  
 Blooms; Billets; Spring;  
 Bar; Machinery; Tire  
 Steel).....AAAA  
 Perry Co., W. H., Real Es-  
 tate Trust Bldg. (& Steel  
 Scrap).....A  
 Phila. Hdw. & Malleable  
 Iron Works (Malleable).A  
 Phillips & Sons' Co., F. R.,  
 Penna. Bldg. (& Steel  
 Scrap).....C  
 Phoenix Bridge Co. (Bridge  
 & L. T. & Z.).....A  
 Phoenix Iron Co. (Iron;  
 Steel; Bulb Angles).AAAA  
 Pilling & Crane (Pig)....AAA  
 Potts & Co., Horace T.  
 (Swedish Iron; Steel)..A  
 Pulaski Iron Co., 330 Wal-  
 nut (Foundry Pig)....AAA  
 Purves Mchry. & Iron Co.,  
 S. Water (& Steel Scrap)  
 B

Roberts & Co., A. & P.  
 (Bars; Beam, &c.)....AA  
 Rowland, Wm. & Harvey  
 (Norway; Iron; Steel  
 Billets; Implement; Bar;  
 Shovel; Spring; Tire)....B  
 Samuel, Frank, 1502 Market  
 (Importers & Exporters  
 Pig).....A  
 Steward & Stevens Iron  
 Works, 9th (Architec-  
 tural; Ornamental)....B  
 Tacony Iron & Metal Co.  
 (Architectural; Ornamen-  
 tal).....A  
 Taylor & Co., N. & G.  
 (Sheet Steel).....AAAA  
 Thompson & Co., J., cor.  
 Van Horn (Architectural;  
 Ornamental).....B  
 Thompson & Co., W. H.,  
 Broad & Chestnut (Bar)  
 B

Warwick Iron & Steel Co.,  
 Girard Trust Bldg. (Fdy.;  
 Mill Pig).....AAAA  
 Wheeler, Miffilin & Co., The  
 Arcade (Muck Bars; Pig)  
 D

Wilson & Co., E. H., Fi-  
 delity Bldg. (Pig)....A  
 Wister & Co., L. & R.,  
 Bullitt Building (Basic;  
 Forge; Foundry Pig)....AA  
 Wood Iron & Steel Co., Alan  
 (Corrugated Iron; Open  
 Hearth; Billets; Cold  
 Rolled; Galv. Sheets)  
 AAAA

**PA.—Pittsburg**

Allegheny Steel & Iron Co.  
 (Sheets; Open Hearth  
 Steel Billets).....AA  
 Bole, Ross & Co., Park  
 Bldg. (Pig).....B  
 Banning, Cooper & Co.  
 (Steel Blooms; Billets).B  
 American Steel Hoop Co.  
 (Shapes; Hoop Saw; Tire;  
 Bar).....AAAA  
 Anderson, De Puy & Co.  
 (Implement; Cutlery; Die;  
 Drill; Safe; Sheet, &c.,  
 Steel).....AAAA  
 Brown & Co. (Pig Iron;  
 Tool; Crucible; Machy.;  
 Safe; Bar, &c., Steel).AA  
 Carbon Steel Co. (Steel  
 Blooms; Billets).....A  
 Cannonsburg Iron & Steel  
 Co. (Sheet Steel)....AAA  
 Carnegie Steel Co. (Pig;  
 Bar; Angles; Billets; Cor-  
 rugated; L. T. & Z.;

IRON & STEEL (Con.)	
Ship Steel of all Kinds) .....	AAAA
Canton Steel Co. (Spring; Lathe; Tool Steel) .....	AA
Carroll-Porter Boiler & Tank Co. (Corrugated) .....	AA
Central Plow Co. (Plow Steel) .....	B
Cherry Valley Iron Co., Peoples' Savings Bank Bldg. (Pig) .....	A
Clinton Iron & Steel Co. (Foundry; Bessemer Grey; Forge Pig) .....	AA
Colonial Steel Co. (Plow; Saw; Bars; Sheets; Plates; Shovel; Axe, &c., Steel) .....	AAAA
Columbia Bridge Co. (Hek; Square; Flat; Tool, &c., Steel) .....	C
Crescent Steel Co. (Tool; Die; Drill; Sheet; Spring; Saw, &c., Steel) .....	AAAA
Crucible Steel Co. of America (Blooms; Billets; Rolled; Strip; Spring; Tool; Bar Steel) .....	AAAA
Dreifus & Co., Chas., Frick Bldg. (& Steel Scrap) .....	B
Dreifus, Charles, Farmers' Bank (& Steel Scrap) .....	A
Duquesne Co. (Sheet Steel) .....	C
Follansbee Bros. Co. (Sheet Steel; Iron) .....	AA
Goff, Horner & Co., Frick Bldg. (Bessemer; Pig; Cold Rolled Sheet Steel) .....	A
Hillman & Son, J. H., Frick Bldg. (Basic; Bessemer Pig; Bar) .....	A
Humphreys, Stewart & Co., Lewis Bk. (Pig) .....	AAA
Jones & Laughlin's Steel Co. (Pig; Bar; Angle; Billets; Shapes) .....	AAAA
McLean & Co., Geo. A. (& Steel Scrap) .....	A
Monongahela Iron & Steel Co. (Stay Bolt; Bar) .....	A
Morris & Bailey Co. (Rolled Sheet; Strip Steel) .....	B
National Steel Co. (Steel Blooms; Billets) .....	AAAA
National Tube Co. (Bessemer; Forge; Foundry Pig; Galvanized) .....	AAAA
Oliver Iron & Steel Co. (Angles; Agricultural; Bar) .....	AAAA
Pittsburg Forge & Iron Co. (Stay Bolt; Bar; Pig) .....	A
Park Steel Co. (Tool Steel) .....	AAAA
Pittsburg Crushed Steel Co. (Crushed Steel) .....	C
Riter-Conley Mfg. Co., 55 Water (Architectural; Ornamental) .....	AAA
Republic Iron Works (Sheet; Corrugated) .....	AAAA
Scaife & Sons' Co., Wm. B., 221 1st (Architectural; Ornamental; Bar) .....	AAA
Sheet Steel Co. (Sheets; Galvanized Sheets) .....	C
Shenango Furnace Co., Frick Bldg. (Machine Cast & Sand Cast Pig) .....	A
Snyder & Co., W. P. (Steel Blooms; Billets) .....	AA
Spang-Chalfant Co. (Pig; Blooms; Machy; Merchant Steel) .....	AAAA
Taylor & Dean, 201 Market (Architectural; Ornamental) .....	B
Westmoreland Steel Co. (Strip; Crucible; Tool) .....	B
Zug & Co. (Ltd.) (Stay Bolt; Bar; Galvanized Sheets) .....	AAAA
PA.—Pottsville Eastern Steel Co. (Angles) .....	B
PA.—Pottstown Potts Bros. Iron Co. (Skelp; Open Hearth; Soft Iron; Steel) .....	A
IRON & STEEL (Con.)	
PA.—Punxsutawney Punxsutawney Iron Co. (Pig) .....	AA
PA.—Reading Carpenter Steel Co. (Strips; Tool; Die Steel) .....	AAAA
Johnson Foundry Machine Co. (Architectural; Ornamental) .....	B
Reading Foundry Co. (Architectural; Ornamental) .....	B
Reading Iron Co. (Pig; Bar; Staybolt; Muck) .....	AAAA
Seyfert, Simon (Iron; Steel Angles) .....	AA
PA.—Ryersford Keystone Structural Co. (Architectural; Ornamental) .....	B
PA.—Scranton Finch Mfg. Co. (Structural; Ornamental) .....	AA
PA.—Sharon Sharon Steel Hoop Co. (Billets) .....	A
Stewart Iron Co. (Muck) .....	AAAA
Wilkes Rolling Mills Co. (Sheet Steel) .....	B
PA.—Sharpsville Claire Furnace Co. (Pig) .....	AA
Perkins & Co. (Pig) .....	A
Sharpsville Furnace Co. (Pig) .....	AAAA
PA.—Shenango Shenango Iron Works Co. (Skelp) .....	A
PA.—Slatington Slatington Rolling Mill Co. (Bar) .....	B
PA.—South Bethlehem Bethlehem Steel Co. (Tool; Blooms; Billets; Spring) .....	AAAA
PA.—Steelton Penna. Steel Co. (Iron; Steel) .....	AAAA
PA.—Titusville Burgess Cyclops Steel Wks. (Crucible Tool; Bar Steel) .....	A
PA.—Waynesburg Waynesburg Forge; Sheet & Tin Mills (Soft Sheets) .....	A
R. I.—Pawtucket White Co., J. S. (Architectural; Ornamental) .....	B
Washburn Wire Co. (Flat; Round; Square; Cold Rolled Steel) .....	AAAA
R. I.—Providence Bishop Co., J. W., Butler Exch. (Architectural; Ornamental) .....	A
Builders' Iron Foundry, 22 Coddling (Architectural; Ornamental) .....	AA
Colvin Foundry Co., 191 Globe (Architectural; Ornamental) .....	A
Carpenter & Sons Fdy. Co., 212 W. Exchange, (Architectural; Ornamental) .....	B
Perry Co., Wm. H. (& Steel Scrap) .....	B
Tower, James H., 48 Borden (Architectural; Ornamental) .....	B
S. C.—Charleston Valk & Murdoch Iron Wks. (Architectural; Ornamental) .....	B
TENN.—Bristol Virginia Iron, Coal & Coke Co. (Foundry; Forge; Billets; Blooms; Malleable; Charcoal Pig) .....	A
TENN.—Chattanooga Cahill Iron Works, 102 Boyce (Architectural; Ornamental) .....	B
Chattanooga Car & Fdy. Co., 401 Boyce (Architectural; Ornamental) .....	A
Chattanooga Roofing & Fdy. Co., 720 E. Montgomery Av. (Architectural; Ornamental) .....	B
Citico Furnace Co. (Pig) .....	A
Roane Iron Co. (Pig) .....	A
Rome Furnace Co. (Pig) .....	B



**IRON & STEEL (Con.)**  
 Sale Creek Coal & Coke Co.  
 (Pig) .....C  
 Southern Malleable Iron  
 Wks. (Architectural; Orna-  
 mental) .....A  
**TENN.—Jackson**  
 Southern Engine & Boiler  
 Wks. (Architectural; Boll-  
 er Works) .....A  
**TENN.—Knoxville**  
 Jellico Coal Mining Co.  
 (Pig) .....AA  
 Knoxville Fdy. & Machine  
 Co. (Architectural; Orna-  
 mental) .....A  
 Knoxville Iron Co. (Bar;  
 Refined Bar; Horseshoe;  
 Pig) .....AA  
 Tennessee Coal Co. (Pig).A  
**TENN.—Memphis**  
 Chickasaw Iron Works, 98  
 2d (Architectural; Orna-  
 mental) .....A  
 Livermore Fdy. & Machine  
 Co., 160 Adams (Architec-  
 tural; Ornamental) ....A  
 Manogue, Pidgeon Iron Co.,  
 226 2d (Architectural; Orna-  
 mental) .....B  
**TENN.—Nashville**  
 Bon Air Coal & Iron Co.  
 (Pig) .....AAAA  
**TEXAS—Austin**  
 Teps Foundry, Walter  
 (Architectural; Orna-  
 mental) .....AA  
**TEXAS—Dallas**  
 Harry Steel Wks., O. K.  
 (Architectural; Orna-  
 mental) .....B  
**TEXAS—Fort Worth**  
 Ft. Worth Machine & Fdy.  
 Co. (Architectural; Orna-  
 mental) .....B  
**TEXAS—Houston**  
 Dickson Car Wheel Co.  
 (Architectural; Orna-  
 mental) .....A  
**UTAH—Salt Lake City**  
 Utah Foundry & Mach. Co.  
 (Architectural; Orna-  
 mental) .....A  
**VA.—Richmond**  
 Old Dominion Iron & Nail  
 Wks. Co. (Staybolt; Bar;  
 Horse Shoe; Merchant;  
 Muck; Refined; Rolled)  
 AA  
 Tredegar Iron Wks. (Arch-  
 itectural; Ornamental;  
 Bar) .....AAA  
**VA.—Roanoke**  
 Virginia Bridge & Iron Co.  
 (Architectural; Orna-  
 mental) .....AA  
**WASH.—Seattle**  
 Hofius & Co., W. D. (Pig)  
 A  
**WASH.—Tacoma**  
 Puget Sound Iron & Steel  
 Wks. (Architectural; Orna-  
 mental) .....B  
**W. VA.—Parkersburg**  
 Parkersburg Iron & Steel  
 Co. (Sheet; Bar).....AA  
**W. VA.—Wheeling**  
 Laughlin Nail Co. (Blooms;  
 Galv. Sheets) .....AA  
 Portsmouth Steel Co. (Steel  
 Billets) .....A  
 Wheeling Corrugating Co.  
 (Galv.; Corrugated  
 Sheets) .....AAAA  
 Wheeling Mold & Foundry  
 Co. (Architectural; Orna-  
 mental) .....A  
 Wheeling Steel & Iron Co.  
 (Pig; Billets; Sheet;  
 Skelp) .....AAAA  
 Whittaker Iron Co. (Sheets)  
 AA  
**WIS.—Ashland**  
 Ashland Iron & Steel Co.  
 (Pig) .....AAAA  
**WIS.—Eau Claire**  
 Phoenix Mfg. Co. (Arch-  
 itectural; Ornamental).A  
**WIS.—La Crosse**  
 Smith Mfg. Co. (Architec-  
 tural; Ornamental) ....B  
**WIS.—Madison**  
 King & Walker Co. (Arch-

**IRON & STEEL (Con.)**  
 tectural; Ornamental)...B  
**WIS.—Milwaukee**  
 Bayley & Sons Co., Wm.,  
 732 Greenbush (Architec-  
 tural; Ornamental) .....A  
 Greenslade Fdy. Co. (Arch-  
 itectural; Ornamental)...B  
 Pietsch, Ferd., 619 Cedar  
 (Architectural; Orna-  
 mental) .....B  
 Skobes Bros., 955 80th  
 (Architectural; Orna-  
 mental) .....B  
 Thomas Furnace Co. (Found-  
 ry Pig) .....AA  
 Western Malleable & Grey  
 Iron Mfg. Co. (Malleable)  
 B  
**Wisconsin Bridge & Iron Co.**  
 Pabst Bldg. (Architec-  
 tural; Ornamental)...AA  
 Worden-Allen Co., P. Wash.  
 Rd. (Architectural; Orna-  
 mental) .....A  
**WIS.—Waukesha**  
 Waukesha Sheet Steel Co.  
 (Galv. Sheet) .....A

## IRONERS

See also Machinery; Laundry

**ILL.—Chicago**  
 Sinclair Laundry Co., 60  
 N. Clinton (Collar)...X  
 Steel Roll Machine Co., 830  
 Canal (Collar; Cuff;  
 Shirt) .....F  
**MASS.—Boston**  
 Empire Laundry Machinery  
 Co. (Collar; Cuff; Shirt)  
 O  
**N. Y.—Rochester**  
 Hagen Co., A. T. (Collar;  
 Cuff) .....AA  
**N. Y.—Troy**  
 Adams Laundry Machinery  
 Co. (Collar; Cuffs; Shirt)  
 B  
 Troy Laundry Machine Co.  
 (Cape; Collar; Cuff;  
 Shirt) .....AA  
**OHIO—Cincinnati**  
 Amer. Laundry Machinery  
 Co. (Cape Collar; Collar;  
 Cuff; Shirt) .....AA  
**PA.—Columbia**  
 Wilson Laundry Machinery  
 Co. (Counar; Cuff) .....A

## IRONS

See also Hardware; Car-  
 riage.

**CONN.—Derby**  
 Howe Mfg. Co. (Curling).A  
**CONN.—Middletown**  
 Wilcox, Crittenden & Co.  
 (Calking) .....A  
**CONN.—Mt. Carmel**  
 Woodruff & Sons, Walter  
 W. ((Carriage; Wagon;  
 also Whiffletree)...A  
**CONN.—New Britain**  
 Russell & Erwin Mfg. Co.  
 (Sash Cord) .....AAAA  
 Stanley, Rule & Level Co.  
 (Plane; Sash Cord).AAA  
 Stanley Wks. (Corner;  
 Brace) .....AAA  
 Union Mfg. Co. (Sash Cord)  
 AA  
**CONN.—New Haven**  
 Cowles & Co., C. (Vehicle  
 Corner; Whiffletree) ...A  
 English & Mersich Co., 70  
 Crown (Corner; Brace;  
 Carriage; Wagon Whif-  
 fletree) .....B  
 Sargent & Co. (Corner;  
 Brace; Sash Cord).AAAA  
 Seward & Son, M. (Vehi-  
 cle Gear) .....A  
**CONN.—Pine Meadow**  
 Chapin-Stevens Co.  
 (Plane) .....A  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co.  
 (Sash Cord) .....AAAA  
**CONN.—Stamford**  
 Stamford Foundry Co.

**IRONS (Con.)**  
 (Hawking) .....A  
**CONN.—Wallingford**  
 Wallace & Sons Mfg. Co.,  
 R. (Curling).....AAAA  
**GA.—Columbus**  
 Southern Plow Co. (Dog) .....AA  
**ILL.—Aurora**  
 Amer. Well Wks. (Rig) AA  
 Richards Mfg. Co. (Corner;  
 Brace) .....B  
 Richard & Sencenbaugh  
 Mfg. Co. (Corner; Brace) .....B  
 Wilcox Mfg. Co. (Corner;  
 Brace) .....B  
**ILL.—Carpentersville**  
 Illinois Iron & Bolt Co.  
 (Tuyere; Sad; Tailors) .....AA  
**ILL.—Chicago**  
 Braumcoeller & Son, H. V.  
 (Sash Cord) .....B  
 Cassaday-Fairbank Mfg. Co.  
 (Curling) .....C  
 Illinois Malleable Iron Co.  
 (Sad; Laundry; etc.) .....AAAA  
 Nicol & Co. (Crimping;  
 Curling; Pinching).....D  
**ILL.—Decatur**  
 Mueller Mfg. Co. (Calking) .....AAA  
**ILL.—Downer's Grove**  
 Dicke Tool Co. (Croner).C  
**ILL.—Freeport**  
 Arcade Mfg. Co. (Curling;  
 Pinching; Tuyere) .....A  
 Stover Mfg. Co. (Sad;  
 Laundry, etc) .....AA  
**ILL.—Geneva**  
 Howell Co., W. H. (Pol-  
 ishing Sad).....B  
**ILL.—Harvey**  
 Austin Mfg. Co., F. O.  
 (Rig) .....AAAA  
**ILL.—Ottawa**  
 Amer. Hdw. Mfg. Co.  
 (Corner; Brace) .....C  
**ILL.—Rockford**  
 Sovereign Co., C. E.  
 (End Gate) .....C  
 Weyburn Co. (Tuyere).....C  
**ILL.—Sterling**  
 National Mfg. Co. (Corner;  
 Brace) .....C  
**IOWA—Fairfield**  
 Loudon Machinery Co.  
 (Hay Rack) .....C  
**KANS.—Fort Scott**  
 Fort Scott Fdry. & Machine  
 Co. (Rig) .....H  
**KY.—Newport**  
 Higgin Mfg. Co. (Carriage;  
 Wagon) .....A  
**MAINE—Portland**  
 Lang Co., E. M. (Capping) .....C  
**MD.—Baltimore**  
 Nat'l Supply Co., 7 W.  
 Lombard (Corner; Brace;  
 Dog; Hanger; Wall)....B  
**MASS.—Boston**  
 Boston Bolt Co., 33 Pur-  
 case (Wall) .....C  
 Dame, Stoddard Co. (Bur-  
 nishing; Pinking) .....A  
 Jones & Co., Melville D.  
 (Rubber Horse Mender).G  
**MASS.—Brocton**  
 Snell & Atherton (Edge  
 Setter) .....C  
**MASS.—Fiskdale**  
 Snell Mfg. Co. (Plane)....B  
 Drew & Co., C. (Clakings;  
 Hawking) .....C  
**MASS.—Lowell**  
 New England Shuttle Co.,  
 64 Leverett. (Shuttle)..X  
**MASS.—Milbury**  
 Buck, Charles (Plane)....B  
 Buck Bros. (Plane).....A  
**MASS.—North Easton**  
 New England Specialty Co.  
 (Plane) .....F  
**MASS.—West Mansfield**  
 Richardson & Bottomley  
 (Shuttle) .....D  
**MASS.—Wilkinsville**  
 Marble & Co., E. W.  
 (Shuttle) .....X

**IRONS (Con.)**  
**MASS.—Worcester**  
 Smith & Co., Thos. (Dog).C  
 Wire Goods Co. (Sash  
 Cord) .....A  
**MICH.—Detroit**  
 Amer. Electric Heater Co.  
 (Elec.; Hat; Heating  
 Soldering) .....B  
 Anderson & Sons, W. H.  
 (Calking; Branding) ...C  
 Bolles Iron & Wire Wks.  
 (Bridle) .....X  
 Michigan Bolt & Nut Works  
 (Pole Step) .....AA  
 Wilson Carriage Co., C. R.  
 (Vehicle Gear).....F  
**MICH.—Dowagiac**  
 Farr, Willie M. (Carriage;  
 Wagon) .....C  
**MICH.—Jackson**  
 Hovey, A. N. (Store  
 Shelving) .....D  
**MINN.—Minneapolis**  
 Fawkes Mfg. Co. (Sad;  
 Laundry, etc.).....E  
**MO.—Macon**  
 Patton, J. W. (Store  
 Shelving) .....B  
**MO.—St. Louis**  
 Kupferle, Jno. C. (Rub;  
 Sad; Laundry; Tuyere) .....AA  
 Pleuger & Henger Mfg. Co.  
 (Dog; Sad; Laundry;  
 Tuyere) .....A  
**N. J.—Boonton**  
 Lincoln Iron Wks. (Bridle) .....B  
**N. J.—Elizabeth**  
 Braunsdorf-Mueller Co.  
 (Calking; Binding).....D  
**N. J.—Newark**  
 Bliss & Drake (Sad; Cold  
 Hand Sad; Laundry; Pol-  
 ishing; Tailors').....A  
 Johnson, William (Pinking)  
 .....D  
 Kraeuter & Co. (Pinking) .....X  
 Osborne & Co., C. S.  
 (Pinching; Pinking)....B  
 Strieby & Foote Co.  
 (Carriage; Wagon)....B  
**N. Y.—Auburn**  
 Clapp Mfg. Co., E. D.  
 (Carriage; Wagon also  
 Gear) .....B  
**N. Y.—Brooklyn**  
 Hauck & Son, Chas. J.  
 (Curling) .....B  
 Williams & Co., J. H.  
 (Golf) .....AA  
**N. Y.—Buffalo**  
 Forsyth Mfg. Co. (Carriage;  
 Wagon) .....C  
**Howard Iron Wks.**  
 (Forming) .....A  
 Niagara Machine & Tool  
 Wks. (Capping) .....A  
 Pratt & Letchworth Co.  
 (Corner; Brace; Carriage;  
 Wagon; Lamp; Whiffle-  
 tree) .....AAA  
 Shepard & Co., Sidney  
 (Fluting) .....AAAA  
 White & Co., L. & I. J.  
 (Calking; Plane).....A  
**N. Y.—Ithaca**  
 Williams Bros. (Rig).AA  
**N. Y.—Manlius** ..  
 Chaney & Son, S.  
 (Stanchion) .....A  
**N. Y.—Medina**  
 Swett Iron Wks., A. L.  
 (Tuyere) .....A  
**N. Y.—Mount Morris**  
 Genesee Valley Mfg Co.  
 (Sad; Tailors').....B  
**New York City**  
 Diamond, Thomas,  
 (Bridle) .....A  
 Fulton Rubber Type, Ink,  
 & Pad Mfg. Co., 81  
 Frankfort (Branding)...D  
 Hadaway Electric Heating  
 Co., 136 Liberty (Elec-  
 tric Laundry).....D  
 Ness, Jr., Geo. M.  
 (Branding) .....H  
 Tiebout, W. & J., 118  
 Chambers (Calking; Cor-  
 ner; Brace; Grappling).B

**IRONS (Con.)**

Tower & Lyon Co. (Pink-  
ing; Sash Cord).....B  
Troy Laundry Machinery  
Co. (Sad).....AA  
**N. Y.—Rochester**  
Puttman Mfg. Co. (Sash  
Cord; Sash Ribbon; Wire)  
B  
Streeter & Co., N. R. (Sad;  
Cold Handle Polishing;  
Tailors'; Flating).....A  
**N. Y.—Seneca Falls**  
Knight & Son, H. W.  
(Branding).....C  
Rumsey & Co., Ltd. (Re-  
volving Clothes Dryer).....A  
**N. Y.—Syracuse**  
Syracuse Malleable Iron  
Wks. (Carriage; Wagon) A  
**N. Y.—Troy**  
Empire Forge Co. (Sash  
Cord).....F  
**N. Y.—Watervliet**  
Covert Mfg. Co. (Balling).....A  
**OHIO—Akron**  
Akron-Selle Co. (Carriages;  
Wagon, also End Gate).....A  
**OHIO—Ashtabula**  
Barber Mfg. Co. (Tuyere) O  
**OHIO—Cincinnati**  
Tatum Co., Sam'l C. (Sad) B  
**OHIO—Cleveland**  
Cleveland Hardware Co.  
(Carriages; Wagon).....AA  
Eberhard Mfg. Co. (Vehicle  
Gear).....AA  
Federal Mfg. Co. (Curling) AAAA  
**OHIO—Columbus**  
Ohio Tool Co. (Plane).....AA  
**OHIO—Hamilton**  
Kahn & Bros., F. & L.  
(Waffle).....A  
**OHIO—Indiana**  
Indiana Foundry Co.  
(Blacksmith's Tuyere).....D  
**OHIO—New Lexington**  
Star Mfg. Co. (Car).....B  
**OHIO—Plymouth**  
Root Brost Co. (Tuyere).....B  
**OHIO—Ravenna**  
Williams, A. C. (Sad;  
Laundry, etc.).....A  
**OHIO—Salem**  
Silver Mfg. Co. (Tuyere) AA  
**OHIO—Sandusky**  
Sandusky Tool Co. (Plane) A  
**OHIO—Sidney**  
Wagner Mfg. Co. (Tuyere) A  
**OHIO—Toledo**  
Nagel Electric Co., W. G.  
(Cable).....B  
**PA—Allegheny**  
McKinney Mfg. Co. (Cor-  
ner; Brace).....AAA  
**PA—Atglen**  
Chalfant Hdw. Co. (Drug-  
gists; Cold Handle; Gas  
Heating Sad; Laundry;  
Polishing Sad; Tailors';  
Hat Brim).....X  
**PA—Erie**  
Erie Malleable Iron Co.  
(Carriages; Wagon).....AA  
Griswold Mfg. Co.  
(Waffle).....A  
**PA—Harrisburg**  
Hixox Mfg. Co., W. C.  
(Forming).....AA  
**PA—Lebanon**  
Amer. Iron & Steel Mfg.  
Co. (Dog; Hanger; Wall) AAAA  
**PA—Philadelphia**  
Berger Bros. Co. (Snow  
Shoe).....A  
Enterprise Mfg. Co. (Cold  
Handle Sad).....AAAA  
Hill Mfg. Co., B. B.  
(Branding).....B  
Merritt & Co., 1024 Ridge  
Ave (Hanger).....B  
Paxson Co., J. W. (Tuyere) AA  
Quint's Sons, S. H.  
(Branding).....B

**IRONS (Con.)**

Stortz & Son, Jno., 210  
Vine (Calking; Burling) E  
Woodason, Thomas (Rubber  
Hose Mender) .....F  
**PA.—Pittsburg**  
Oliver Iron & Steel Co.  
(Dog; Hanger; Well) AAA  
Riter-Conley Mfg. Co.  
(Tuyere).....AAA  
**PA.—Reading**  
Penn Hdw. Co., (Porch Post  
Sash Cord).....AA  
Reading Hdw. Co. (Sash  
Cord; Sad; Waffle) AAAA  
**PA.—Sharon**  
Sharon Boiler Wks., Ltd  
(Car).....A  
**PA.—Wilkesbarre**  
Vulcan Iron Wks. (Car) AAAA  
**PA.—Wrightsville**  
Wrightsville Hdw. Co.  
(Polishing; Porch; Post;  
Sad).....B  
**R. I.—Pawtucket**  
Luther & Co., C. A.  
(Curling; Pinching).....C  
**R. I.—Providence**  
Amer. Supply Co. (Bur-  
ling).....AA  
New England Butt. Co.  
(Sad; Laundry; Polishing  
Sad).....AA  
**TENN.—South Pittsburg**  
Blacklock Foundry (Sad;  
Laundry, etc.; Waffle).....C  
**VA.—Norfolk**  
Whitehurst & Co., R. W.  
(Dog).....B  
**VA.—Richmond**  
Old Dominion Iron & Nail  
Wks. (Corner; Brace;  
Wall).....AA  
**WIS.—Milwaukee**  
Western Malleable & Grey  
Iron. Mfg. Co. (Chair;  
Stool).....B  
**WIS.—Racine**  
Racine Malleable & Wrought  
Iron Co (Whiffletree).....A  
**WIS.—Sheboygan**  
Globe Foundry & Machine  
Co. (Chair).....C  
**WIS.—South Milwaukee**  
Stowell Mfg. & Fdy. Co.  
(Chair; Stool).....A  
**WIS.—Waukesha**  
Ladewig W. E. (Blind).....E

**ISINGLASS**

**ILL.—Chicago**  
Armour Glue Wks ..AAAA  
**MASS.—Boston**  
Haskins, Leander M., 10  
Long Whf. (for Brewers) A  
Howe & French Isinglass  
Co., 147 High .....A  
**MASS.—Gloucester**  
Dodd & Co., Andrews W. B  
Gloucester Isinglass & Glue  
Co. ....D  
**MASS.—Ipswich**  
Norwood, C. J. ....H  
**MASS.—Rockport**  
Cape Ann Isinglass Co. AAAA  
**N. Y.—New York City**  
Cooper's Glue Factory,  
Peter .....AA  
Heyman & Fischer .....C  
Schwenker, W. M. ....B  
Zinsser & Co., W. 197  
William .....A  
**WIS.—Milwaukee**  
Kiewert Co., Chas. L. ....A

**IVORY GOODS**

**CONN.—Chester**  
Bates, C. J. ....D  
**CONN.—Ivoryton**  
Comstock, Cheney & Co.,  
(Cut Ivory).....AA  
**N. Y.—New York City**  
Baumann, A. O., 112  
University Pl. ....D  
Deutsch Bros., 7 E. 17th. X  
Kapps' Sons Ivory Co., A.

**IVORY GOODS (Con.)**

J., 255 4th Av.....G  
 Selwyn Importing Co., 18 E.  
 17th .....H  
 Shardlow, Joseph, 116 Ful-  
 ton (Boxes).....D  
 Willenert, M., 206 Centre  
 H  
**PA.—Philadelphia**  
 Harvey & Watts Co.....A  
 Randolph, Wm. E., 243  
 Arch .....E

**JACKERS**

**LA.—Shreveport**  
 Henderson Iron Wks., W.  
 R. (Log).....AA  
**MICH.—Bay City**  
 Garland Co., M. (Log)....C  
**MICH.—Detroit**  
 Buhl Malleable Co. (Log)  
 A  
**MICH.—Menominee**  
 Prescott Co. (Log).....A  
**MICH.—Saginaw**  
 Wickes Bros. (Log)....AAA  
**TENN.—Chattanooga**  
 Wheland Machine Wks.  
 (Log).....A  
**VT.—Montpelier**  
 Lane Mfg. Co. (Log).....A

**JACKETS**

See also Clothing; Mens.

**MICH.—Detroit**  
 Ryan Bros. Knitting Co.  
 (Cardigan) .....O  
**MICH.—Grand Rapids**  
 Mich. Barrel Co. (Can)....A  
**N. Y.—Brooklyn**  
 Shindelman, Samuel  
 (Cardigan) .....C  
 Standard Knitting Mills...D  
**N. Y.—Little Falls**  
 Burrell & Co., D. H.  
 (Milk Can) .....AAAA  
**N. Y.—Long Island City**  
 Lane & De Groot Co.  
 (Cork) .....D  
**New York City**  
 Goodyear's India Rubber  
 Mfg. Co. (Surf).....AAAA  
 Gutta Percha & Rubber Mfg.  
 Co. (Hose).....AAAA  
 Hatch & Co., 92 Murray  
 (Can) .....F  
 Levy-Stiefel Co. (Cardigan)  
 O  
 Wertheimer & Hollander,  
 159 Greene, ((Cardigan)  
 B  
**N. Y.—Utica**  
 Albin Knit Goods Co.  
 (Cardigan) .....D  
 Olimplan Knit Goods Co.  
 (Cardigan) .....C  
**OHIO—Clark**  
 Wuest. Edw. (Cardigan) D  
**PA.—Hawley**  
 U. S. Knitting Mills Co.  
 (Cardigan) .....D  
**PA.—Honesdale**  
 American Knitting Co.  
 (Cardigan) .....D  
 Maple City Knitting Mills  
 (Cardigan) .....D  
**PA.—Philadelphia**  
 Blickle's Sons, Jno.  
 (Cardigan) .....D  
 Braun, H. (Knit).....B  
 Feld & Co. (Cardigan)....B  
 Greaves, Thomas (Cardi-  
 gan) .....B  
 Gutsche, R. (Cardigan)....C  
 Koch, Justus (Cardigan) B  
 Mottram, Thos. (Cardigan)  
 D  
 Peberdy & Sons, Geo.  
 (Cardigan) .....B  
 Riter & Conley Mfg. Co.  
 (Furnace Shell) ....AAA  
**PA.—Pittsburg**  
 Armstrong Cork Co. (Cork)  
 AAAA  
**R. I.—Providence**  
 Allen Fire Dept. Supply Co.  
 (Hose) .....D  
**WIS.—Keil**  
 Keil Woodenware Co  
 (Oil Can).....B

**JACKS**

**CAL.—San Francisco**  
 Garratt & Co., W. T.  
 (Log) .....AA  
**CONN.—Higganum**  
 Outaway Harrow Co. (Car-  
 riage; Wagon).....X  
**CONN.—Mt. Carmel**  
 Woodruff & Sons, Walter  
 W. (Wagon).....A  
**CONN.—New Haven**  
 Mc Lagon Foundry Co.  
 (Screw) .....O  
**CONN.—New London**  
 New London Vise Wks.  
 (Lifting; Screw).....E  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co.  
 (Screw; Boot) .....AAAA  
**DEL.—Wilmington**  
 Henderers Sons, A. L.  
 (Hydraulic; Lifting;  
 Track) .....E  
**GA.—Augusta**  
 Lombard Iron Wks. & Sep-  
 ply Co. (Screw).....A  
**ILL.—Batavia**  
 Appleton Mfg. Co. (Power;  
 Speed) .....A  
 Challenge Wind Mill &  
 Feed Mill Co .....AAA  
 U. S. Wind Engine & Pump  
 Co. (Horse Power & Pow-  
 er) .....AA  
**ILL.—Belleville**  
 Belleville Pump & Skein  
 Wks. (House Moving;  
 Locomotive; Ratchet;  
 Screw; Track).....AA  
**ILL.—Carpentersville**  
 Ill. Iron & Bolt Co. (House  
 Moving; Locomotive;  
 Screw; Track; Car; Car-  
 rying; Tripod; Wagon)  
 AA  
**ILL.—Chicago**  
 Armstrong Bros. Tool Co.  
 (Planer) .....B  
 Barbee Wire & Iron Wks.  
 (Wagon) .....B  
 Brown Bros. Mfg. Co., cor  
 Jackson (Screw; House  
 Moving) .....B  
 Brunner & Lay, 133 W.  
 Polk, (Stone).....O  
 Chicago Pneumatic Tool  
 Co., Fischer Bldg. (Pneu-  
 matic) .....AAAA  
 Fairbanks, Morse & Co.  
 (Hydraulic & Track)  
 AAAA  
 Klemm, E. R., 103 W.  
 Monroe (Lifting; Stone) E  
 Lovejoy, T. H., 90 Ohio  
 (Screw) .....D  
 Morden Frog & Crossing  
 Wks., The Rookery  
 (Track) .....A  
 Nicol & Co. (Boot).....D  
 O'Leary & Son Co., A. J.,  
 130 Lake (Stone).....B  
 Pettibone, Milliken & Co.,  
 204 Dearborn (Track)  
 AAAA  
 Railway Appliances Co.  
 (Railway Track) .....A  
 Schomer Henry (Wagon) D  
 Templeton Kenley & Co.,  
 The Rookery (Car)....D  
 Wallace Supply Co., 169  
 Jackson Boul. (Hydraulic)  
 O  
**ILL.—Freeport**  
 Arcade Mfg. Co. (Wagon  
 Lever) .....A  
**ILL.—Harvey**  
 Buda Fdy. & Mfg. Co.  
 (Track; Screw) .....AA  
**ILL.—Joliet**  
 Joliet Mfg. Co. (Power) A  
**ILL.—Ottawa**  
 Porter Co., J. E. (Carriage;  
 Wagon) .....A  
**ILL.—Sandwich**  
 Sandwich Mfg. Co. (Power;  
 Speed) .....AA  
**IND.—Anderson**  
 Anderson Pole & Shaft Co.  
 (Lever) .....E  
 Buckeye Mfg. Co. (Wagon)  
 AA  
 Wooley Fdy & Machine Co.  
 (House Moving) .....B

**JACKS (Con.)**  
**IND.—Columbus**  
 Rewes & Co. (Lifting) .....AAAA

**IND.—Elkhart**  
 Elkhart Frog & Crossing  
 Wks. (Track) .....C

**IND.—Kendallville**  
 Flint & Walling Mfg. Co.  
 (Horse Power Pumping) .....AA

**IND.—South Bend**  
 Gilchrist Bros. (Log)....X

**KANS.—Fort Scott**  
 Fort Scott Fdy & Machine  
 Co. (Horse Power Pump-  
 ing) .....H

**MAINE—Gardiner**  
 Newell & Co., J. F. (Lift-  
 ing; Screw) .....H

**MD.—Hagerstown**  
 Hagerstown Fdy Co. (Lift-  
 ing) .....H

**MASS.—Athol**  
 Starrett Co., L. S. (Screw)  
 A

**MASS.—Barre**  
 Allen & Co., C. G. (Wagon)  
 D

**MASS.—Boston**  
 Ames Plow Co. (Wagon)  
 AAAAA

**Boston & Lockport Block**  
 Co. (Wagon; Lever) A

**Fifield Shoe Machinery Co.**  
 (Pegging) .....D

**Harvey, H. H., 608 Atlan-  
 tic Av. (House Moving;  
 Lifting; Screw; Stone)**  
 D

**Norton, A. O., 167 Oliver**  
 (Ball Bearing Car; Re-  
 placing; Ball Bearing  
 Screw Lifting; Screw  
 Ratchet; Sure Drop  
 Track; Carrying; Loco-  
 motive Traversing; Le-  
 ver; Track; Carriage;  
 Wagon) .....AA

**Prescott, Edwin (Wagon)**  
 E

**Whitcher & Co., Frank W.**  
 (Boot) .....A

**MASS.—Canton**  
 Kinsley Iron & Machine Co.  
 (House Moving; Screw) AA

**MASS.—Chicopee Falls**  
 Belcher & Taylor Agricul-  
 tural Tool Co. (Wagon) A

**MASS.—Lowell...**  
 Turner, Jno. D. (Locomo-  
 tive; Log; Railroad Rat-  
 chet; Screw; Traveling)  
 D

**MASS.—Millers Falls**  
 Millers Falls Co. (Screw;  
 Carriage; Wagon) ...AA

**MASS.—Springfield**  
 Springfield Foundry Co.  
 (Car; Screw; Level)...A

**MICH.—Bay City**  
 Garland Co., M. (Log)...C

**MICH.—Detroit**  
 Anderson & Sons, W. H.  
 (Hydraulic; Lifting;  
 Stone) .....C

**Buhl Malleable Co., Wight  
 & Adair (Log) .....A**

**Northern Engineering Wks.**  
 (Pneumatic) .....A

**MICH.—Gallen**  
 Montross, Richard W. (Wa-  
 gon) .....B

**MICH.—Kalamazoo**  
 Hill & Co., W. E. (Log) B

**Kalamazoo Railway Supply**  
 Co. (Hydraulic; Lifting;  
 Track) .....B

**Merrill Stevens Mfg. Co.**  
 (Automobile; Car) ....D

**MICH.—Lansing**  
 Lansing Wheelbarrow Co.  
 (Wagon) .....AAA

**MICH.—Monroe**  
 Wilder Strong Implement  
 Co. (Speed) .....B

**MICH.—Petoskey**  
 Burnett Fdy. & Machine  
 Wks. (Log) .....X

**MICH.—Saginaw**  
 Wickes Bros. (Log)...AAA

**JACKS (Con.)**  
**MICH.—Vicksburg**  
 Vicksburg Mfg. Co. (Car  
 Lifting) .....D

**MINN.—Minneapolis**  
 Howell & Co., R. R. (Lift-  
 ing; Screw; Horse Power)  
 B

**Minneapolis Steel & Mch'y.**  
 Co. (Log) .....AAA

**MO.—St. Louis**  
 Pieuger & Henger Mfg. Co.  
 (Boot) .....A

**N. J.—Hightstown**  
 Peppler, Thomas (Wagon)  
 D

**Shangle, Jno. R. (Wagon)**  
 C

**N. J.—Newark**  
 Bray Mfg. Co. (Adjustable  
 Lifting) .....X

**Burroughs, Chas. Co., 141**  
 Commerce (Hydraulic) X

**Currier & Sons, Cyrus (Hy-  
 draulic) .....AA**

**Jersey Brake Co. (Carriage)**  
 X

**Sacks Louis (Boot).....A**

**Standard Machine Wks.**  
 (Lifting) .....X

**N. Y.—Albany**  
 Kelly Mfg. Co., L. J.  
 (Stone) .....F

**N. Y.—Brooklyn**  
 Taylor & Co., 415 Dreggs  
 Av. (Screw; Lever)....D

**N. Y.—Buffalo...**  
 Buffalo Last Wks. (Nailing  
 Pegging; Boot) .....B

**Contractors Plant Mfg. Co.**  
 (Lifting; Screw) .....B

**Lazier, A. A. (Combination  
 Pumping) .....E**

**N. Y.—Medina**  
 Swett Iron Wks., A. L.  
 (Screw) .....A

**N. Y.—Munnsville**  
 Munnsville Plow Co.  
 (Screw) .....B

**New York City**  
 Dudgeon, Richard (Hydrau-  
 lic; Screw).....A

**Fairbanks Co., 416 Broome**  
 (Hydraulic; Screw) AAAAA

**Krieg & Co., J. K. (Nail-  
 ing; Heeling) .....B**

**McCoy & Co., Jos. F., 157**  
 Chambers (Hydraulic;  
 Lifting; Screw).....B

**Niles-Bement-Pond Co., 136**  
 Liberty (Screw)...AAAA

**Reilly Bros. (Painters)...D**

**Russell & Erwin Mfg. Co.,**  
 3 Chambers .....AAAA

**Sargent & Co., 151 Leonard**  
 (Boot; Screw) .....AAAA

**Smith & Hemenway Co.,**  
 296 B'way (Ball Bearing)  
 B

**Urquhart's Son Co., John**  
 S., 46 Cortlandt (Screw)  
 B

**Watson-Stillman Co., 210 E.**  
 43d (Hydraulic; Hydro-  
 static; Lever; Palling;  
 Screw) .....A

**N. Y.—Norwich**  
 Wheeler, George (Wagon)  
 G

**N. Y.—Palmyra...**  
 Allen, Joseph (Wagon)...D

**N. Y.—Poughkeepsie**  
 Lane Bros. Co. (Steel;  
 Automatic Wagon) ....A

**N. Y.—Seneca Falls**  
 Goulds Mfg. Co. (Screw)  
 AAA

**Rumsey & Co., Ltd (Screw;  
 Horse Power Pumping) A**

**N. Y.—Syracuse**  
 Stearns & Co., E. C.  
 (Screw) .....AA

**N. Y.—Utica**  
 Eureka Mower Co. (Steel;  
 Malleable Iron Wagon) A

**N. Y.—Watertown**  
 Bagley & Sewell Co. (Le-  
 ver) .....AA

**N. Y.—Watervliet**  
 Covert Mfg. Co. (Wagon;  
 Steel Wagon) .....A

**Tilley, John S. (Scaffold-  
 ing) .....F**

**JACKS (Con.)**  
**OHIO—Ashland**  
 Myers & Bros., F. E. (Combination Pumping) AAAAA  
**OHIO—Ashtabula**  
 Barber Mfg. Co. (Screw; Wagon) C  
**OHIO—Chillicothe**  
 Deweese, F. M. (Lifting) X  
 Schwartz & Son, M. (Lifting) F  
**OHIO—Cincinnati**  
 Blymer Iron Works Co. (Speed) B  
 Hauser, Brenner & Fath Co. (Hop) B  
 Lane & Bradley Co. (Log) B  
 McKeown, H. J., 612 E. Front (Stone) E  
**OHIO—Cleveland**  
 City Machine Co. (Hydraulic) B  
 Cleveland City Forge & Iron Co. (Screw) AA  
 Garry Iron & Steel Co. (Pneumatic Car) A  
**OHIO—Columbus**  
 Jeffrey Mfg. Co. (Log) AAAAA  
**OHIO—Dayton**  
 Boyer & Railroad Mfg. Co. (Lifting; Lever; Ratchet Screw; Track) C  
 Dayton Malleable Iron Co. (Lever) AAA  
 Joyce-Cridland Co. (House Moving; Hydraulic; Gear Levered Lifting; Log; Ratchet; Screw; Stone; Track; Travelling; Car; Locomotive; Traversing; Lever; Pulling) B  
**OHIO—Defiance**  
 Defiance Machine Wks. (Screw) A  
**OHIO—Fremont**  
 Lehr Agricultural Co. (Horse Power Pumping) B  
**OHIO—Galena**  
 Hughes & Smythe (Wagon) C  
**OHIO—Louisville**  
 Buckeye Jack Mfg. Co. (Hoisting) D  
**OHIO—Plymouth**  
 Root Bros. Co. (Boot) B  
**OHIO—Salem**  
 Deming Co. (Horse Power Pumping) AA  
 Silver Mfg. Co. (Horse Power; Wagon) AA  
**OHIO—Toledo**  
 Milburn Wagon Co. (Wagon) AAA  
**PA.—Allegheny**  
 Duff Mfg. Co., 405 Marion Av. (Lifting; Log; Differential Screw Stone Track; Power) A  
**PA.—Atglen**  
 Chalfont Hdw. Co. (Boot) X  
**PA.—Bellefonte**  
 Howard Iron & Tool Co. (Wagon) B  
**PA.—Butler**  
 Masseth & Black (Gas Pumping) B  
**PA.—Elizabethtown**  
 Brick's Sons, A. (Wagon) A  
**PA.—Emigsville**  
 Nat'l Tubular Axle Co. (Wagon) D  
**PA.—Erie**  
 Stearns Mfg. Co. (Log) B  
**PA.—Glen Rock**  
 Sheffer, B. F. (Lifting) D  
**PA.—Philadelphia**  
 Bonney Vise & Tool Wks., 3015 Chestnut (Lever) C  
 Brill Co., J. G. (Hydraulic) AAAA  
 Dienelt & Eisenhardt, 1308 N. Howard (Hydraulic) A  
 Hall Son & Co., Amos H. (Hop) C

**JACKS (Con.)**  
 Justice & Co., Philip S., 14 N. 5th (Hydraulic; Ratchet; Screw; Track) D  
 Link-Belt Engineering Co. (Log) AA  
 Pedrick & Ayer Co., 1001 Hamilton (Screw) A  
 Riehle Bros. Testing Mach. Co., 1424 N. 9th (Roble; Ball Bearing; Screw; Stone) B  
**PA.—Pittsburg**  
 Pittsburg Tool & Drop Forge Co., Arrott Bldg. (Track) D  
 Standard Scale & Supply Co. (Log) X  
 Verona Tool Wks. (Track; Power) A  
**PA.—Reading**  
 Reading Hdw. Co. (Boot) AAAAA  
**PA.—South Bethlehem**  
 Bethlehem Fdy. & Mach. Co. (Hydraulic; Machinist) C  
 Bethlehem Steel Co. (Hydraulic) AAAA  
**PA.—Williamsport**  
 Moliz, Jacob J. (Log) C  
**PA.—Wrightsville**  
 Wrightsville Hdw. Co. (Boot) B  
**TENN.—Jackson**  
 Southern Engine & Boiler Wks. (Log) AA  
**TEXAS—San Antonio**  
 Collins Mfg. Co., F. F. (Horse Power Pumping) AA  
**VT.—Fairhaven**  
 Pelky, W. H. (Lifting; Stone) E  
**VT.—Montpelier**  
 Lane Mfg. Co. (Log) A  
**VT.—St. Albans**  
 St. Albans Fdy. & Implement Co. (Wagon) D  
**VA.—Norfolk**  
 Whitehouse Co., R. W. (Carriage; Wagon) B  
**W. VA.—Huntington**  
 Maxon-Miller Jack Co. (Improved Lever Car; Lever House Moving; Lifting; Lever Locomotive; Log; Track) F  
**WIS.—Eau Claire**  
 Phoenix Mfg. Co. (Log) A  
**WIS.—Evansville**  
 Baker Mfg. Co. (Screw) AA  
**WIS.—Kenosha**  
 Badger Brass Mfg. Co. (Automobile) C  
**WIS.—Milwaukee**  
 Barth Mfg. Co. (Lifting; Screw; Stone; Track; Steel; Wagon) C  
 Filer & Stowell Co. (Log) AAA  
**WIS.—Racine**  
 Foster & Williams Mfg. Co. (Wagon) B  
 Freeman & Sons Mfg. Co., S. (Horse Power) A  
 Racine Malleable & Wrought Iron Co. (Wagon) A  
**WIS.—Wausau**  
 Murray Mfg. Co., D. J. (Iron Frame Log) A

## JACKONETS

See Cotton Goods

## JAMS: JELLIES: MARMALADES & PRESERVES

**CAL.—Los Angeles**  
 Baker-Heron Mfg. Co. (Preserves), 125 W. 14th A  
 Bishop & Co. (Preserves AA  
 Keppler & Tamm (Preserves) B  
 Shaw Preserve Co. (Preserves) B  
**CAL.—Redland**  
 Kingsbury, H. P. D. (Pre-

**JAMS, JELLIES, ETC.**

(serves) .....O  
**CAL.—San Francisco**  
 Calif. Pack'g. Co., 126 Davis .....A  
 Loeffler, Jno. (Preserves), 422 5th .....O  
 Pacific Coast Syrup Co. (Fr. Butter Jellies), 713 Sansome .....B  
 Sherwood & Sherwood (Preserves) .....AAA  
**CAL.—San Jose**  
 Costa Orchard Can Co., L. D. ....A  
**COLO.—Denver**  
 Beebe-Crauel Pickle Co., 11th & Bayard .....O  
**CONN.—Hartford**  
 Fitzgerald, R. M., 44 Mk't B  
**DEL.—Rising Sun**  
 Farmers' Pres. Co. (Preserves) .....C  
**FLA.—Key West**  
 Granday & Co., A. (Guava Jelly) .....C  
**ILL.—Chicago**  
 Berry-Maybrum Co., 59 Larrabee .....O  
 Ourtice Bros. Co. (Preserves) .....AA  
 Durand & Casper Co., 153 W. Lake .....AAA  
 Heinz Co., H. J. (Preserves) AAAA  
 Heuss-Edler Pres. Co. (Preserves) .....B  
 Manierre-Yoe Syrup Co. 30 River (Preserves)...B  
 Reber Preserving Co....C  
 Reid Murdoch & Co. (Preserves), Lake & Mk't AAAA  
 Sherman Bros. & Co. (Preserves) .....A  
 Snider Pres. Co., T. A. (Br. Cinn. O.) (Preserves)...A  
**IND.—Brookville**  
 Brookville Mfg. Co. (Preserves) .....B  
 Ind. Crescent Preserving Co. (Schnull & Co. Prop.) (Pres.) .....AAAA  
**IND.—Lafayette**  
 Heinz Co. (Preserves)....A  
**IOWA—Davenport**  
 Glucose Sugar Ref'g Co. ....AAAA  
**IOWA—Glenwood**  
 New Glenwood Can Co. (Preserves) .....C  
**KANS.—Topeka**  
 Kuehne Pres. Co., O. (Preserves) .....B  
**KY.—Louisville**  
 Goodwin Preserving Co. (Preserves), 307 9th...A  
**KY.—Milldale..**  
 Weller Co., J. (Preserves) A  
**KY.—Owensboro**  
 Blue Grass Canning Co. (Preserves) .....B  
**LA.—New Orleans**  
 Barataria Can. Co. (Preserves) 610 St. Peters...A  
 Dunbar's Sons, G. W., (Preserves) .....G  
**MAINE—Portland**  
 Pettengill Co., E. D. (Preserves) .....B  
**MD.—Baltimore**  
 Fruit Pudding Co., 13 Balderston .....A  
 Gibbs Preserving Co. (Jellies) Apple; Butter; Preserves) .....AA  
 Numsen & Sons, W. (Pres.) 18 Light .....A  
 Van Lil Preserving Co. (Pres.) 108 Concord...B  
**N. Y.—Rochester**  
 Curtice Bros. Co. (Preserves) .....AA  
**N. Y.—Webster**  
 Webster Preserving Co....B  
**OHIO—Cincinnati**  
 Heinz Co., H. J. (Pres.) 918 Sycamore .....AAAA  
 Ritter Conserve Co., P. J. (Pres.) 32 W. Court...A  
 Snider Preserve Co., T. A.

**JAMS, JELLIES, ETC.**

(Pres.), 324 E. 2d....A  
 Waller Co., J. (Pres.)...A  
 ---Cleveland  
 Jankowsky, Frank (M. Jellies) 1284 B'way...B  
**OHIO—Creston**  
 Lutz & Schramm Co. ....AA  
**OHIO—Marietta**  
 Crystal Ice & Pres. Co. (Preserves) .....O  
**OHIO—Wooster**  
 Wooster Preserving Co. (Preserves) .....B  
**PA.—Allegheny**  
 Criukshank Bros. Co (Pres.) .....B  
 Lutz & Schramm Co. (Preserves) .....AA  
 Vogel Co., Frank (Preserves) .....C  
**PA.—Erie..**  
 Werner Vin. & Pickl'g Co. (Preserves) .....O  
**PA.—Fairview**  
 Hauck, Jos. H. (Fairview Creamery) .....O  
**PA.—McKean**  
 Hauck, Jos. H. (McKean Creamery) .....C  
**PA.—North East**  
 North East Pres. Wks. (Fink & McLaughlin) (Pres.) .....A  
**PA.—Philadelphia**  
 Amer. Pres. Co. (Preserves) 946 Beach .....A  
 Ritter Conserve Co., P. J. (Pres.), 2156 E. Dauphin A  
**PA.—Scranton**  
 Reliable Pres. Co. (Preserves) .....O  
 Schroeder, Jno. L. (Preserves) .....C  
**PA.—Sterrettania**  
 Hauck, J. H. (Jelly)...O  
**MASS.—Boston**  
 Johnson & Co., H. A. (Pres.), 222 State....A  
 Knights & Son, A. A. (Pres.), 87 Commercial B  
 Logan, Johnson & Co. (Confec. Sup.).....A  
 Middeby Jr., Jos. (Pres.), 201 State .....A  
 Sherman Mfg. Co., R. I. (Pres.) .....O  
**MASS.—Worcester**  
 Blodgett Co., W. H. (Pres.) .....B  
**MICH.—Detroit**  
 Vaughn Co., Wm. W. (Pres.), 316 River....B  
 William Bros. Co. (Pres.) A  
**MICH.—Grand Rapids**  
 Fallas, Edwin (Pres.)....O  
**MICH.—Mill Grove..**  
 Williams Bros. Co. (Br. Detroit) (Pres.) .....A  
**MICH.—Shelby**  
 Mikesell Co., J. ....B  
**MICH.—West Bay City**  
 Bentel Co., R. (Pres.)...A  
**MINN.—Lake City**  
 Minn. Pickl'g & Preserving Co. (Pres.) .....A  
 Minn. Bonk Syrup Co. (Pres.) .....B  
**MO.—Kansas City**  
 Bliss Syrup Ref'g. Co. (Pres.) .....B  
**MO.—Erie**  
 Erie Preserving Co. (Preserves) .....AA  
**MO.—St. Louis**  
 Dodson-Braun Mfg. Co. (Pres.) 3d & Cedar...AA  
 St. Louis Syrup & Pres. Co. (Pres.) Collins & Dickson .....AA  
**NEB.—Nebraska City**  
 Otol Pres. Co. (Pres.)...B  
**NEB.—Omaha**  
 Farrell & Co. (Preserves), 223 S. 8th.....A  
**N. J.—Camden**  
 Campbell Pres. Co., Jos. (Pres.) .....AA  
**N. J.—Greenwich**  
 Brady Co., J. F.....C

**JAMS, JELLIES, ETC.**

**N. Y.—Buffalo**  
 Buffalo Pres. Co. (Preserves) .....A  
 Erie Pres. Co. (Pres.)...341  
 W. Ferry.....AAAA  
 Heinz Co., H. J. (Pres. Butter).....AAAA  
 United States Canning Co. (Preserves) .....AA  
**N. Y.—Kenwood**  
 Oneida Community (Ltd.) AAA  
**N. Y.—Le Roy**  
 Genesee Pure Food Co. (Jelly Powder).....A  
**N. Y.—Lockport**  
 Niagara Mfg. & Merc. Co. (Pres.) .....C  
 Niagara Pres'g Co. (Pres.) AA  
**New York City**  
 Ams. Max, 372 Greenwich (Pres.) .....AA  
 Anthony Co., H. M. (Pres.) B  
 Booth & Co., A. (Br.) (Pres.) .....AAAA  
 Cobb Preserving Co. (Pres.) C  
 Cohen & Co., W. H. (Pres.) C  
 Cudahy Pack'g. Co. (Pres.) AAAA  
 Curtice Bros. Co. (Pres.) AA  
 Erie Pres. Co. (Br.) (Fr. Butter), 107 Hudson AA  
 Gordon & Dilworth (Pres.), 563 Greenwich .....A  
 Heartwig & Bennett (Pres.) A  
 Heinz Co., H. J. (Br.) Allegheny, Pa.) (Pres.) 206 Spring.....AAAA  
 Israel & Bros., C. (Pres.), 480 Canal .....B  
 Kemp, Day & Co., (Pres.) 73 Hudson .....AA  
 Kress & Co., A. (Pres.) B  
 Oneida Community (Ltd.), 413 B'way.....AAA  
 Ritter Conserve Co., P. J. (Br.) 448 Washn. ....A  
 Seeman Bros. (Pres.)...A  
 Seville Pack'g. Co. (Pres.), 202 Franklin.....B  
 Waeber & Lea (Pres.)..B  
 Williams Bros. Co. (Pres.) 105 Hudson .....A  
**R. I.—Central Falls**  
 Fournier & Schiller Co. (Pres.) .....C  
**TEXAS—Dallas**  
 Hughes Bros. Mfg. Co...A  
 Kemper & Dodson (Pres.) C  
**VT.—Brattleboro**  
 Brattleboro Jelly Co. (A. & C. Jelly) .....B  
**VT.—Newport**  
 Vermont Pres. Wks. (Preserves) .....A  
**VA.—Craig City**  
 Penna. Canning Co. (Pres.) .....C  
**VA.—Springwood**  
 Penna. Canning Co. (Pres.) C  
**W. VA.—Wheeling**  
 Exley, Watkins & Co., 84 19th (Fr. Butter; Pres. &c.) .....B  
 Flaccus Bros. (Pres.)...A  
 Flaccus Co., E. C. (Pres.) C  
 McMechen & Son Co., G. K. (Pres.) .....A

**JAPANS**

See also Paints

**CAL.—Bakersfield**  
 Jewett-Blodgett Oil Co. (Asphalt) .....X  
**CAL.—Los Angeles**  
 Densmore-Stabler Refining Co. (Asphalt) .....B  
 Southern Refining Co. (Asphalt) .....A  
**CAL.—San Francisco**  
 Union Oil Co. of California,

**JAPANS (Con.)**

Mills Mldg. (Asphalt) AAAA  
**GA.—Atlanta**  
 Southern Roofing Co. (Asphalt) .....D  
**ILL.—Chicago**  
 Chicago Varnish Co. (Baking) .....AA  
 Chicago Wood Finishing Co. (Asphalt) .....A  
 Elliott Varnish Co., 155 Fulton .....F  
 Ford Mfg. Co., 71 S. Ashland Av. (Asphalt)....B  
**IND.—South Bend**  
 O'Brien Varnish Co.....A  
**MD.—Baltimore**  
 MacNeal & Co., Jas. B., 34 S. Calvert.....B  
**MICH.—Detroit**  
 Acme White Lead & Color Wks. ....AAA  
**MO.—St. Louis**  
 Asphalt Roofing Co., 808 Theresa Av. (Asphalt)...X  
 Trinidad Asphalt Mfg. Co. (Asphalt) .....A  
**N. J.—Newark**  
 Anglo-American Varnish Co., 55 Johnson .....B  
 Armitage & Co., Jno. L. X  
**N. Y.—Brooklyn**  
 Moller & Schumann Co., Marcy & Flushing Aves. (Baking) .....A  
**N. Y.—Buffalo**  
 Buffalo Enamel & Stain Co., Ellicott Sq. ....F  
 McLennan Paint Co., Ltd., 175 Rano (Baking)....AA  
**New York City**  
 Smith & Co., Edward, 46 B'way (Asphalt).....A  
 Standard Varnish Wks., 29 B'way .....AA  
**OHIO—Akron**  
 Akron Varnish Co. (Baking) X  
**OHIO—Cleveland**  
 Forest City Paint & Varnish Co., Hamilton & Kirkland (Baking) .....B  
 Glidden Varnish Co., Williamson Bldg. ....AA  
 Star Varnish Co. ....E  
**PA.—Franklin**  
 Riesenman Mfg. Co.....B  
**PA.—Jamestown**  
 Jamestown Paint & Varnish Co. ....A  
**PA.—Philadelphia**  
 Atlantic Drier & Varnish Co., S. Swanson & McKean .....B  
 Barrett Mfg. Co., Land Title Bldg. (Asphalt)...AAAA  
 French & Co., Saml. H., 4th & Callowhill (Asphalt; Baking) .....A  
 Woodhouse, Saml. F. ....D  
**PA.—Pittsburg**  
 Globe Asphalt Co. (Asphalt) X  
 Suvdam Co., M. B., 4th & Wood (Baking; Asphalt) A  
**PA.—Reading**  
 Wilhelm Co., A. ....AA  
**R. I.—Providence**  
 Amer. Enamel Co. (Baking) B

**JARDINIERES**

See also Chinaware; Pottery; Glassware.

**CONN.—Meriden**  
 Bradley & Hubbard Mfg. Co. ....AAAA  
 Manning, Bowman & Co. AA  
**IND.—Evansville**  
 Bockstege Furniture Co...B  
**MD.—Baltimore**  
 Bennett Pottery Co., Edwin, Central Av. & Canton A  
**MASS.—Cambridge**  
 Hews & Co., A. H. ....A  
**MASS.—Gardner**  
 Heywood Bros. & Wakefield



**JARDINIERES (Con.)**  
 Co. (Battan) .....AAAA  
**MASS.—Taunton**  
 Reed & Barton Corp. ....AAA  
**N. J.—Jersey City**  
 American Statuary Co. ...C  
**N. J.—Trenton**  
 Maddock & Sons, Thos. ...AA  
 Trenton Potteries Co. ....AAA  
**OHIO—Sebring**  
 Sebring Pottery Co. ....AA  
**PA.—Allegheny**  
 Pittsburgh Lamp, Glass &  
 Brass Co. ....AAAA  
**PA.—Philadelphia**  
 Brannen Mfg. Co. ....AA  
**PA.—Reading**  
 Natl. Brass & Iron Wks. .A

## JARS

See also Glassware; Earthen-  
 ware; Chinaware; Pottery.

**CAL.—San Francisco**  
 Hermetical Closure Co.  
 (Glass Fruit) .....D  
 Landsberger Co., J. A.  
 (Glass Fruit) .....D  
 Vacuum Jar & Fruit Pack-  
 age Co. (Glass Fruit) .D  
**CONN.—Meriden**  
 Manning, Bowman & Co.  
 (Enameled Slop) .....AA  
**ILL.—Alton**  
 Illinois Glass Co. (Glass  
 Fruit) .....AAAA  
**ILL.—Bellville**  
 Port Glass Wrks. (Glass  
 Fruit) .....B  
**ILL.—Chicago**  
 Chicago Pottery Co. (Earth-  
 enware Fruit) .....C  
 Morgan & Wright, 333 W.  
 Lake (Battery Rubber)  
 AA  
 Safe Glass Co. (Glass Fruit)  
 B  
**ILL.—Monmouth**  
 Weir Pottery Co. (Acid  
 Proof) .....A  
**IND.—Anderson**  
 Penna Glass Co. (Glass  
 Fruit) .....A  
**IND.—Eaton**  
 Western Flint Glass Co.  
 (Glass Fruit) .....C  
**IND.—Evansville**  
 Sargent Glass Co. (Candy)  
 B  
**IND.—Greenfield**  
 Greenfield Fruit Jar & Bot-  
 tle Co. (Glass Fruit) .AAA  
**IND.—Hartford City**  
 Sneath Glass Co. (Glass  
 Fruit) .....B  
**IND.—Indianapolis**  
 Hollweg, Louis (Glass  
 Fruit) .....AAA  
**IND.—Marion**  
 Canton Glass Co. (Battery)  
 AAAA  
 Marion Fruit Jar & Bottle  
 Co. (Glass Fruit) .....A  
**IND.—Muncie**  
 Ball Bros. Glass Mfg. Co.  
 (Glass Fruit) .....AAAA  
**IND.—Peru**  
 Peru Electric Mfg. Co.  
 (Battery) .....A  
**IND.—Red Key**  
 Red Key Glass Co. (Glass  
 Fruit) .....B  
**IND.—Swayzee**  
 Swayzee Glass Co. (Glass  
 Fruit) .....B  
**IND.—Terre Haute**  
 Terre Haute Glass Mfg. Co.  
 (Glass Fruit) .....B  
**IND.—Upland**  
 Safe Glass Co. (Glass Fruit)  
 B  
 Upland Co-Operative Glass  
 Co. (Glass Fruit) .....C  
**IND.—Yorktown**  
 Skillin-Goodin Glass Co.  
 (Glass) .....D  
**IOWA.—Fort Dodge**  
 Fort Dodge Stoneware Co.  
 (Butter) .....C  
**KANS.—Coffeyville**  
 Pioneer Flint Glass Co.  
 (Battery; Glass) .....C

**JARS (Con.)**  
**KY.—Covington**  
 Hemingway Glass Co.  
 (Battery; Glass; Glass  
 Fruit) .....A  
**MASS.—Boston**  
 Smalley & Co., A. G. (Glass  
 Fruit) .....C  
 Swett & Lewis Co. (Leyden)  
 E  
**MICH.—Detroit**  
 Victor Jar Co. (Glass) ....E  
**MO.—St. Louis**  
 Illinois Glass Co. (Battery)  
 AAAA  
 St. Louis Stamping Co.  
 Fibre & Hotel Slop) .AAAA  
**N. J.—Bridgeton**  
 Cumberland Glass Mfg. Co.  
 (Battery; Glass Fruit;  
 Glass Milk) .....A  
**N. J.—Clayton**  
 Moore Bros. Glass Co.  
 (Glass Fruit) .....AAA  
**N. J.—Elmer**  
 Gilchrist Improved Jar Co.  
 (Glass Fruit) .....D  
**N. J.—Hoboken**  
 Schimper & Co., Wm. (Ci-  
 gar; Cigarette) .....AA  
**N. J.—New Brunswick**  
 Consolidated Fruit Jar Co.  
 (Glass Fruit; Battery)  
 AAA  
**N. J.—Salem**  
 Gayner Glass Wrks. (Bat-  
 tery) .....D  
**N. J.—Trenton**  
 Egyptain Pottery Co. (Bat-  
 tery) .....C  
**N. J.—Woodbury**  
 Woodbury Bottle Wrks.  
 (Glass Fruit) .....D  
**N. Y.—Brooklyn**  
 Palmer, F. H., 186 6th Av.  
 (Glass Fruit) .....X  
**N. Y.—Buffalo**  
 Jewitt Mfg. Co., Jno. C.  
 (Tin Slop) .....AA  
 Shepard & Co., Sidney (Tin  
 Slop) .....AAAA  
 Wright & Co., R. G. (Glass  
 Fruit) .....AA  
**N. Y.—Lockport**  
 Mansfield Glass Works.  
 (Glass Fruit) .....A  
**New York City**  
 Amer. Hard Rubber Co., 11  
 Mercer (Battery) .AAAA  
 Brookfield Glass Co., 220  
 B'way (Battery) .....A  
 Central Stamping Co. (Tin  
 Slop) .....AA  
 Consolidated Fruit Jar Co.  
 (Glass Fruit; Battery)  
 AAA  
 Cordley & Hayes (Fibre  
 Slop) .....A  
 Lalance & Grosjean Mfg.  
 Co. (Enameled Slop)  
 AAAA  
 Stontenborough, X. (Tin  
 Slop) .....D  
 Vulcanized Rubber Co. (Bat-  
 tery Rubber) .....A  
 Whitall Tatum Co., 46 Bar-  
 clay (Battery) .....AAAA  
 Whitman, A. V. (Glass  
 Milk) .....B  
**N. Y.—Poughkeepsie**  
 Poughkeepsie Glass Wrks.  
 (Glass Fruit) .....A  
**N. Y.—Syracuse**  
 Syracuse Stoneware Co.  
 (Laundry Bleach) ....X  
**OHIO.—Akron**  
 Weeks, Arthur J. (Acid).B  
**OHIO—Bridgeport**  
 Crystal Glass Co. (Glass  
 Fruit) .....A  
**OHIO—Cincinnati**  
 Glenny Glass Co., W. (Glass  
 Fruit) .....A  
**OHIO—Cleveland**  
 National Carbon Co. (Bat-  
 tery) .....AAAA  
**OHIO—Zanesville**  
 Kearns-Goruch Bottle Co.  
 (Glass Fruit) .....B  
**PA.—Beaver Falls**  
 Co-operative Flint Glass  
 Co. (Ltd.) (Glass; Glass  
 Candy) .....A

## JARS (Con.)

**PA.—Philadelphia**  
Burgin & Sons Glass Co.  
(Glass Milk) .....A  
Gilchrist Improved Jar Co.  
(Glass Fruit) .....D  
Gillinder & Sons, 185 Ox-  
ford (Battery; Glass) ...A  
Hero Fruit Jar Co. (Glass  
Fruit) .....AAA  
Murray & Co., Jas. J., Tren-  
ton Av. (Battery) .....A  
Whitney Glass Wrks., 227 S.  
Front (Battery) .....AAA  
**PA.—Pittsburg**  
Cunningham Glass Co., D.  
O. (Glass Fruit) .....AA  
Hamilton Co., W. H. (Glass  
Milk) .....AA  
McBeth-Evans Glass Co.  
(Glass Candy) .....AAAA  
National Glass Co. (Glass  
Candy; Glass Fruit) ...X  
U. S. Glass Co. (Glass;  
Druggists' Show) .....AAAA  
Weightman Glass Co. (Glass  
Fruit) .....A  
Wormser Glass Co. (Glass  
Fruit) .....X  
**PA.—Washington**  
Hazel-Atlas Glass Co. (Glass  
Fruit) .....AAAA  
**TEXAS—Athens**  
Athens Pottery Co. (Butter)  
D  
**W. VA.—Wellsburg**  
Eagle Glass & Mfg. Co.  
(Beef Extract) .....A  
George Co., S. (Glass Fruit)  
A  
**W. VA.—Weston**  
Weston Glass Co. (Glass  
Fruit, &c.) .....X  
**W. VA.—Wheeling**  
Hazel-Atlas Glass Co. (Glass  
Fruit) .....AAAA

## JAWS

**ALA.—Selma**  
Peacock's Iron Wrks.  
(Brake) .....X  
**CONN.—Bridgeport**  
Armstrong Mfg. Co. (Pipe  
Vise) .....A  
**CONN.—Hartford**  
Cushman Chuck Co. (Face  
Plate) .....AA  
**CONN.—New Britain**  
Skinner Chuck Co. (Face  
Plate) .....A  
Union Mfg. Co. (Face Plate)  
AA  
**CONN.—New Haven**  
Hoggson & Pettis Mfg. Co.  
(Face Plate) .....A  
**MICH.—Detroit**  
Detroit Twist Drill Co.  
(Drill; Brake) .....C  
**MO.—Kansas City**  
Kansas City Bolt & Nut  
Co. (Brake) .....A  
**New York City**  
Garwin Machine Co. (Face  
Plate) .....AA  
Prentiss Vise Co., 44 Bar-  
clay (Vise) .....C  
**OHIO—Cleveland**  
Cleveland City Forge & Iron  
Jelly Co. (Brake) .....AA  
**ILL.—Chicago**  
Strong & Co., C. H. 218  
Washington St. (Arnica;  
Toilet) .....D  
**MD.—Baltimore**  
McCorinick & Co., 106 W.  
Falls Av. (Petroleum).D  
**N. Y.—Binghamton**  
Harris, F. E. (Petroleum)  
O  
**PA.—Petrolia**  
Dougherty & Son, W. H.  
(Petroleum) .....A  
**PA.—Philadelphia**  
Wilbert Drug Co., 2324 Mar-  
ket (Petroleum) .....F

## JEANS

See Clothing; Mens; Cotton  
Goods; Woolen Goods.

## JELLY

See Jams; Jellies; Marmalades.

## JEWELRY

**CAL.—Los Angeles**  
Field & Cole (Mexican Fil-  
lignee) .....B  
Trapton Co., P. J. (Native)  
A  
**CAL.—San Francisco**  
Judis Co., A. (Precious  
Stones; Diamonds) ....B  
Rothschild & Hadenfeldt  
(Electro Plate; Gold  
Quartz; Diamonds) ....B  
Shreve & Co. (Electro  
Plate) .....AA  
**COLO.—Denver**  
Rell Co., George (Pyrites;  
Native) .....O  
Waltham, Chas. (Gold Py-  
rites) .....B  
**CONN.—Meriden**  
Bliss & Co., E. A. (Electro  
Plated) .....B  
**CONN.—No. Winham**  
Harris, Chas. R. (Gold  
Plated Chains) .....O  
**CONN.—South Manchester**  
Cheney Bros. (Armures;  
Broches) .....AAAA  
**CONN.—Williamantio**  
Kirby Co., G. J. (Chains)  
D  
**ILL.—Chicago**  
Adams & Co., F. W., (Gold)  
O  
Allen, Herbert W. (Dia-  
monds) .....C  
Burnham, E. (Hair) .....B  
Brischbaum & Co., S. (Set-  
tings) .....B  
Campbell, M., Mason &  
Temple (Hair Chains) ..G  
Folley Co., Wm. J., 6 E.  
Monroe (Ecclesiastical) ..B  
Hancock Co., Chas. E. 103  
State (Diamond Mount-  
ings Gold) .....B  
Hillinger & Co., R. J., 131  
Wabash Av. (Silk; Gold  
Chains) .....F  
Hirsh & Oppenheimer, Ma-  
son & Temple (Gem Set)  
B  
Juergens & Anderson Co.,  
126 State (Emblems;  
Badges; Medals; Gem Set;  
Gold; Precious Stones;  
Settings; Diamonds) ..AA  
Klein & Bro. F. C., 126  
State (Imitation; Precious  
Stones) .....B  
Logee & Co., F. L., 103  
State (Emblem Badges;  
Medals) .....B  
Morse Co., F. E., 161 State  
(Gem Set; Precious  
Stones; Diamonds) ....B  
Noble & Co., F. H., 103  
State (Medal Badges) ..A  
Ostby & Barton Co., 103  
State (Diamonds Mtgs.;  
Gold) .....AAA  
Schrader & Wittstein Co.,  
103 State (Diamond  
Mtgs.; Gem Set; Gold  
Rings; Settings) .....B  
Simmons Bros. & Co., 103  
State (Emblems; Badges;  
Medals; Gold) .....A  
Smith & Co., Alf. H., 103  
State (Precious Stones;  
Diamonds) .....AA  
Smith & Co., T. J., 103  
State (Silver) .....A  
Stern Bros. & Co. (Gem)))  
Set; Gold; Diamonds) ..AA  
Street & Sons, Geo. O., 103  
State (Gold) .....B  
Van Gilder Kahn & Co., 67  
Wabash (Diamonds) ..AA  
Wendell & Co., 57 Washing-  
ton (Diamond Mtgs.) ..B  
Wilcox & Co., D., 103  
State (Diamonds Mtgs.)  
AA  
**ILL.—Freeport**  
Dirkin Silver Filigree Co.  
(Filigree) .....B

**JEWELRY (Con.)****IOWA—Cedar Rapids**

Wittstein, Geo. (Emblems; Badges; Medals) .....D

**MD.—Baltimore**

Feetting, A. H., 14 St. Paul (Gem Setting; Gold) ...C

Limerick, J. Arthur, 12 S. Calvert (Emblems; Badges; Medals) .....D

**MASS.—Attleboro**

Allen &amp; Co., C. H. (Electro Plated) .....B

Anthony, Jno. (Chains) ...E

Attleboro Mfg. Co. (Rolled Gold Plate Electro Plated; A

Bates &amp; Bacon (Bangles; Bracelets; Plated Chains) AAA

Bigney &amp; Co., (Gold Plated; Filled Chains) .....A

Blake Co., James E. (Silver; Chatelaines) .....A

Bliss Bros. &amp; Co. (Chains; etc.) .....A

Briggs Co., D. F. (Gold Plated Chains; Rings; etc.) .....AA

Bristol Mfg. Co. (Silver) C

Brown &amp; Co., Geo. L. (Gold; Plated Chains) ...B

Bushee &amp; Co., A. (Rolled Plate Gold; Electro Plate) Collar; Cuff; Gold Plated; Ladies Collar; Lever Collar and Cuff; Separable Collar and Cuff Buttons) B

Carter, Guarnstrown &amp; Remington (Rolled Gold Plate) .....B

Chapman &amp; Barden (Gold) C

Cummings Co., P. J. (Gold Plated Chains) .....B

Daggett &amp; Clapp Co. (Charms; Drops; Earrings; Chains; Rolled Gold Plate; Silver; Bracelets; Brooches; Necklaces; Medals) .....A

Eden &amp; Co. (Electro Plate; Pearl Buckles; Gold Plated Bead; Leather Fob Chains) .....A

Fargo Co., E. A. (Earrings; Ear; Children's Ear; White Stone Drops) ...D

Fisher &amp; Co., J. M. (Chains; Lockets; Rolled Gold Plate) .....A

Foutneau &amp; Cook Co. (Nickle Chains; Gold Charms) .....B

Gilmore &amp; Co., E. D. (Gold) B

Hayward, Walter E. (Ladies' Chain; Pin; Lever Collar; Cuff; Linked Cuff; Separable Collar; Cuff Buttons; Ribbon Chains; Rolled Gold Plated) ...C

Horton-Angel Co. (Rolled Gold; Plated Buttons; Studs; etc.) .....A

McRae &amp; Keeler (Chains; etc. Electro and Gold Plated; Chatelaines) ...A

McDonald &amp; Co. (Buckles; Silver Bracelete) .....D

Marble, Forrester &amp; Co. (Chatelaines) .....C

Marsh &amp; Co., C. A. (Gold Plated Chains Goldfilled; Necklace; Vest Chains) A

Mason Co., Howard (Bracelets; Emblems; Badges; Medals; Rolled Gold Plate) .....D

Regnell, Bigney &amp; Co. (Imitation Diamonds; Bracelets; Rolled Gold Plated; Electro Plated) .....B

Robbins Co., Chas. M. (Emblems; Badges; Medals; Souvenirs) .....C

Sadler &amp; Co., F. H. (Imitation Diamonds; Gold; Silver) .....B

Simmons Co., R. F. (Gold Plated Chains, etc; Fob

**JEWELRY (Con.)**

Safety Device) .....AAA

Smith &amp; Crosby (Rolled Gold Plate) .....B

Smith &amp; Richardson (Chains) .....D

Sturdy &amp; Sons, F. (Plated Chains) .....A

Torrey Jewelry Co. (Buttons; Gun Metal Collar; Cuff) .....F

Union Braiding Co. (Chains) D

Watson &amp; Newell Co. (Electro Plated) .....AA

Weaver &amp; Co., F. W. (Rolled Gold Plate; Electro Plated) .....C

Wilmarth &amp; Co., W. H. (Ladies' Cuff; Rolled Gold Plate; Electro Plated) .....B

**MASS.—Attleboro Falls**

Bell &amp; Co., W. H. (Chains) C

Blankington &amp; Co., V. M. (Emblems; Badges; Medals) .....C

Freeman &amp; Co., B. S. (Chains; Rolled Gold Plate) .....D

Hall &amp; Co., W. H. (Chains) H

Sturdy &amp; Sons, J. F. (Gold Plated Chains) .....A

**MASS.—Boston**

Cain, Eben H. (Emblems; Badges; Medals) .....X

Gilchrist &amp; Co., C. A., 43 Haverhill (Electro Plated) B

Harnott, Jno. (Emblems; Badges; Medals) .....G

Hirschburg, A. S. (Diamond Setts.) .....C

Humphrey, John B. (Diamonds) .....B

Jepson, Godfrey (Badges; Emblems; Medals) .....G

Passmore Gem Co., 373 Washington (Stones) ...F

Ripley-Howland Mfg. Co. (Collar; Cuff Buttons; Diamond Setts.; Rings) A

Spencer Mfg. Co., S. M. (Emblems; Badges; Medals) .....E

**MASS.—Chartley**

Freeman, Daughaday &amp; Co. (Ear Drops; Watch Chains; Onyx; Rolled Gold Plate; Elec. Plated) C

Sturdy Bros. (Gold Plated Chains) .....E

Sturdy Mfg. Co., W. A. (Rolled Gold Plate; Elec. Plated) .....B

**MASS.—Chicopee**

Ames Sword Co. (Regalia; Society) .....B

**MASS.—Florence**

Florence Mfg. Co. (Aluminum) .....A

**MASS.—Mansfield**

Cobb, F. M. &amp; J. L. (Chains; Rolled Gold Plate; Elec. plate Silver) .....A

Spaulding, D. S. (Chains; Gold; Silver) .....B

**MASS.—N. Attleboro**

Barrows &amp; Co., H. F. (Eyeglasses; Necklace; Vest Chains; Glove; Collar; Cuff; Sterling Silver Cuff Buttons; Bangles; Bracelets; Garter Buckles; Plated Chains) .....A

Blankington &amp; Co., R. (Rolled Gold; Plated; Silver; Gold Plated; Silver Buttons; Buckles; Silver Chatelaines) .....A

Blankington &amp; Co., W. S. (Chains) .....A

Bliss &amp; Co., A. H. (Brass; Gold; Silver Chains) ...B

Bugbee &amp; Niles Co. (White Stone; Collar; Cuff Buttons; Imt. Diamonds; Gold) .....B

Burrows &amp; Co., H. F.

**JEWELRY (Con.)**

(Nickel) .....A  
**Cheever, Tweedy & Co.**  
 (Nickel; Fire Gilt; Watch  
 Chains; Brooches; Watch  
 Charms; Rolled Gold  
 Plated; Silver).....AAA  
**Clark & Co., W. G.** (Rolled  
 Gold Plated) .....C  
**Codding & Hulborn Co.**  
 (Silver Buckles; Brace-  
 lets; Ladies' Necklace  
 Chains; Rolled Gold  
 Plated; Ear Drops; Elec-  
 tro Plate; Silver).....A  
**Cutter & Co., F. H.** (Rolled  
 Gold Plated) .....B  
**Doran, Bagnall & Co.** (Gold;  
 Silver Plated Chains).....E  
**Draper, O. M., (Est. of)**  
 (Fire Gilt Watch Chains;  
 Watch Charms; Plated  
 Fire Gilt; Nickel Chains,  
 etc.) .....B  
**Franklin & Co., E. I.**  
 (Brooches; Ear Drops;  
 Bangles; Bracelets; Int.  
 Diamonds; Rolled Gold  
 Plated; Electro Plate).....C  
**Frothingham & Co., T. G.**  
 (Int. Diamonds; Gold).....C  
**Hudson & Co., G. C.**  
 (Chains) .....C  
**Merritt & Co., H. D.**  
 (Plated; Silver Necklaces;  
 Vest, etc.; Chains; Brace-  
 lets) .....A  
**Richards & Co., E. Ira**  
 (Rolled Gold Plated).....A  
**Riley, French & Hefron**  
 (Gold; Rolled Plated;  
 Silver) .....AA  
**Sheppardson & Co., F. L.**  
 (Gold Plated Chains).....D  
**Smith & Co., T. I.** (Rolled  
 Gold Plated; Silver).....A  
**Sommer & Co., J. J.** (Gold;  
 Gold Plated; Silver).....C  
**Sturtevant Whiting & Bige-**  
**low** (Rolled Gold Plated;  
 Silver) .....B  
**Webster & Co. (Silver)**.....A  
**Whiting Co., F. M.** (Ear  
 Drops; Bracelets; Ear-  
 rings; Old Coin; Silver).....B  
**MASS.—Plainville**  
**Plainville Stock Co.** (Hoop  
 Earrings; Brooches; Ear  
 Drops; Int. Diamonds;  
 Gold; Gold Plated; Silver)  
 .....A  
**Scofield Melcher & Scofield**  
 (Gold; Gold Plated; Sil-  
 ver) .....B  
**Whiting & Davis (Silver)**.....A  
**MASS.—Sandwich**  
**Armstrong Braiding Co.**  
 (Br. Boston) (Chains).....X  
**MASS.—So. Attleboro**  
**Sadler Bros. & Co.** (Int.  
 Diamonds; Rolled Gold  
 Plated; Electro-Plated).....B  
**MASS.—Springfield**  
**Fletcher Aluminum Co.**  
 (Aluminum) .....X  
**MASS.—Taunton**  
**Fargo Co., E. A.**  
 (Aluminum) .....D  
**MASS.—West Sanerville**  
**Can & Co., M. W.** (Electro-  
 Plated) .....AA  
**MICH.—Detroit**  
**Wright, Kay & Co. 140**  
**Woodward Av. (College**  
**Badges)** .....A  
**MO.—Kansas City**  
**Edwards & Sloan Jewelry**  
**Co. (Gold)** .....A  
**MO.—St. Louis**  
**Bauman-Frey Mfg. Co.,**  
**Com. Bldg. (Diamond**  
**Mountings)** .....A  
**Eisenstadt Mfg. Co.**  
 (Badges; Medals; Em-  
 blems; Gold; Diamond)AA  
**N. J.—Hoboken**  
**Schimner & Co., Wm.**  
**Buckles, Silver)** .....AA  
**N. J.—Newark**  
**Abrecht, Oliver, 46 Oliver**  
**(Chains)** .....F  
**Adams & Co., Thos. W.**

**JEWELRY (Con.)**

(Linked Cuff Buttons;  
 Brooches; Bangles; Brace-  
 lets) .....B  
**Aling & Co. (Collar; Cuff**  
**Buttons; Bangles;**  
**Brooches; Charms)**.....AA  
**Alsop Bros. (Rings)**.....B  
**Battlin & Co. (Gold Novel-**  
**ties)** .....B  
**Blippart, Griscom & Osborn**  
**(Gold; Brooch, Safety De-**  
**vice)** .....A  
**Block & Bergfels (Link Cuff**  
**Buttons; Brooches; Ear-**  
**rings)** .....B  
**Celluloid Co. (Celluloid**  
**Charms; Celluloid)**.....B  
**Champerols & Co. (Gold)**.....B  
**Cory Bros, W. F. (Gold)**.....B  
**Day, Clark & Co. (Bangles;**  
**Bracelets; Necklaces)**.....B  
**Dodd, D. C., Jr. (Gold)**.....C  
**Durand & Co., 49 Franklin**  
**(Chatelaine; Gold-filled;**  
**Necklace Chains; Ear**  
**Drops; Gold; Society;**  
**Watch Charms; Belt;**  
**Hoop Earrings; Brooches;**  
**Hoop Earrings; Brooches)**  
**Diamond Mountings; Gold**  
**Novelties; Gold Jewelry;**  
**Bangles; Bracelets; Col-**  
**lar; Cuff; Dress; Cloak**  
**Buttons; Necklaces; Med-**  
**als)** .....AA  
**Eastwood & Park Co.**  
 (Gold) .....C  
**Eckfield & Ackley (Gold)**.....C  
**Edge Co., W. C., 46 Green**  
**(Gold; Silver Plated; Fox-**  
**tall Chains)** .....X  
**Hayden, Wm. W. (Gold**  
**Novelties)** .....B  
**Hayes Bros. & Co. (Badges;**  
**Medals; Emblems; Gold)**  
 .....O  
**Hedges & Co., A. J. (Gar-**  
**ter Buckles; Brooches;**  
**Bracelets; Ear Drops;**  
**Gold Watch Charms;**  
**Chatelaine; Necklace**  
**Chains; Earrings)**.....A  
**Hendrick & Co. (Gold)**.....B  
**Huebner & Sons, E. (Pearl**  
**Shell Brooch, Safety De-**  
**vice)** .....C  
**Jones & Woodland (Gold)**.....B  
**Kiefer, Andrew O. (Rings)**  
 .....B  
**Krementz & Co. (Gold;**  
**Brooches)** .....AAA  
**Kursch & Son Co., Frank**  
**(Gold)** .....B  
**Link & Angel (Silver)**.....A  
**Mandeville, Carrow &**  
**Crane (Rings)** .....A  
**Mertz Bros. (Gold; Rings)**  
 .....B  
**Moore & Son (Rings)**.....B  
**Nesler & Co., 38 Crawford**  
**(Rope Chains)** .....D  
**N. Jersey Aluminum Co.**  
**(Aluminum)** .....B  
**N. Y. Aluminum Co.**  
**(Aluminum)** .....X  
**Nobs & Son, Chas. H. (Pin;**  
**Brooch, Safety Device)**.....B  
**Reeves & Brown (Ear**  
**Drops; Bracelet Chains;**  
**Earrings; Bangles; Wire**  
**Bracelets; Gold; Brooches)**  
 .....B  
**Rich & Son Co. (Chains)**.....F  
**Riker Bros. (Emblems;**  
**Badges; Medals; Gold)**.....AA  
**Schappel, Schambacher &**  
**Brod, (Gold)** .....C  
**Schappel, Theo., 211 Mul-**  
**hury (Chains)** .....F  
**Schlossstein & Co., F. A.**  
**(Chains)** .....B  
**Schuetz & Sons Co. (Gold)**.....B  
**Schwarzkopf & Dover**  
**(Gold; Silver)** .....B  
**Schafer & Douglas (Chains)**  
 .....A  
**Spanberg, J. A. & S. W.**  
**(Gold)** .....B  
**Strobel & Crane (Gold)**.....A  
**Unger Bros. (Silver)**.....A  
**Van Houton Bros. Jewelry**  
**Co. (Gold)** .....C

# JEWELRY (Con.)

Whiteside & Blank (Gold). B  
**N. Y.—Buffalo**  
 Damm & Block (Rings). C  
 Heintz Bros. (Rings). A  
 Huntz Bros. (Rings). A  
 Niagara Ring Mfg. Co. (Rings). B  
 Nuse, Frank P., 47 Genesee (Emblems; Badges; Medals). H  
 Queen City Ring Mfg. Co. (Rings). A  
 White, Wile & Warner (Rings). C  
**N. Y.—Lockport**  
 Ferre, Eugene H. (Aluminum Chains; Hairpins). C  
**New York City**  
 Abel Bros. & Co., 64 John (Diamond Mtgs.; Gun Set). B  
 Adams & Co., Thos. W. (Gold). B  
 Adler's Sons, Chas., 9 Maiden Lane (Precious Stones; Diamonds). B  
 Adler & Son, L., 87 Maiden Lane (Gem Set Diamonds). B  
 Aiken-Lambert Jewelry Co., 19 Maiden Lane (Diamonds). C  
 Alford & Co., C. G. (Coral Diamonds). A  
 Am. Gem Co., 11 Church (Precious Stones). A  
 Armeny, Gyalo, 90 Nassau (Gem Set Precious Stones; Diamonds). B  
 Arnold & Steeve (Diamond Mtgs.; Gold Jewelry). B  
 Arnstein Bros. & Co., 65 Nassau (Diamonds). AAA  
 Australian Opal Co., 51 Maiden Lane (Precious Stones). E  
 Averbeck, M. J., 19 Maiden Lane (Bracelet; Plated Watch Charms; Gold; Diamonds). A  
 Azure Mining Co., 170 Broadway (Turquoise). D  
 Bagg & Co., Milton P., 21 Maiden Lane (Precious Stones). C  
 Barber Jewelry Mfg. Co., 36 Gold (Privates). D  
 Baum, Herrmann, 41 Maiden Lane (Gold; Silk Chains). D  
 Beck, J., 65 Nassau (Gold; Silver Vest Chains). D  
 Becker & Barnett, 9 Maiden Lane (Chains). D  
 Becker & Co., 51 Maiden Lane (Chains). X  
 Benedict & Warner, 21 Maiden Lane (Imt.; Precious Stones). B  
 Bennett & Co., E. A., 7 Maiden Lane (Rolled Gold Plate). C  
 Bernstein, J., 46 Maiden Lane (Precious Stones). B  
 Billings & Son, Chester, 58 Nassau (Gem Set; Diamonds). AA  
 Blackington & Co., R., 3 Maiden Lane (Rolled Gold Plate; Silver). A  
 Blancard & Co., 96 Maiden Lane (Collar; Cuff Buttons; Foxtail Chains). D  
 Block & Bergfels, 9 Maiden Lane (Gold). B  
 Block, Jno. W., 9 Maiden Lane (Diamonds). A  
 Bodenhelm & Jaskow, 87 Nassau (Diamonds). A  
 Bonet, L., 41 Union Sq. (Cameos). D  
 Bonner Co. (Diamond). D  
 Bowden & Co., J. B., 1 Maiden Lane (Rings). A  
 Braxmar Co., C. G., 10 Maiden Lane (Society Charms; Medals; Emblems; Badges; Medals). B  
 Breidenbach, R. A., 51 Maiden Lane (Imt. Prec. Stones; Diamonds). AA  
 Brewster, M. M., 12 John

# JEWELRY (Con.)

(Garnet; Coral). D  
 Brower, Maurice, 12 John (Pearls; Diamonds). B  
 Bruhl Bros. & Co., 68 Nassau (Precious Stones; Diamonds). A  
 Bryant & Co., M. B., 7 Maiden Lane (Gold Rings). A  
 Bugbee, Niles & Co., 9 Maiden Lane (Gold). B  
 Cahoon & Co., Geo. H., 9 Maiden Lane (Gold). A  
 Carter, Hare & Co., 9 Maiden Lane (Gold Chains; Gold Novelties; Silver). A  
 Chapman & Barden, 9 Maiden Lane (Gold). C  
 Cheever, Tweedy & Co., 9 Maiden Lane (Gold Plated; Silver). AAA  
 Clark & Co., W. G., 3 Maiden Lane (Rolled Gold Plated). C  
 Codding & Hulborn Co., 9 Maiden Lane (Silver). A  
 Cohn & Bro., Jos., 51 Maiden Lane (Gold Chains). A  
 Cohn & Co., S., 9 Maiden Lane (Diamonds). A  
 Cooke, Robert F. (Medals). F  
 Cotter & Son, 65 Nassau (Precious Stones; Diamonds). B  
 Cottle Co., S. 31 E. 17th (Bangles; Necklaces; Bracelets; Diamonds; Gun Metal). E  
 Cross & Reuelin, 17 Maiden Lane (Diamonds). AA  
 Curer & Suleman, 89 Maiden Lane (Diamond Mtgs.; Gold). B  
 Dattlebaum & Freedman, 45 John (Gold Rings). C  
 Davis & Co., R. H., 68 Nassau (Gem Set; Diamonds). AA  
 Day, Clark & Co., 21 Maiden Lane (Earrings; Gold; Silver; Brooches). B  
 Deknatel & Son, J. A., 22 Howard (Imt. Pearls; Gold; R. G. Plated). B  
 Durlach Bros., 14 Maiden Lane (Diamonds). A  
 Eichelberg & Co., 65 Nassau (Diamonds). AA  
 Eisenmann Bros., 21 Maiden Lane (Precious Stones). AA  
 Engelfried & Weidmann, 41 John (Rings). B  
 Feigenbaum & Schweiger, 37 Maiden Lane (Gem Set; Precious Stones). C  
 Fenerstein, B., 318 E. Houston (Gold Chains). G  
 Fera & Kadism, 65 Nassau (Diamonds). B  
 Fink & Co., Jos. H., 65 Nassau (Gold Rings; Diamonds). A  
 Fishel, Nessler & Co., 556 Broadway (Imt. Diamonds; Silver Plated). A  
 Fogel & Co., R. R., 177 B'way (Vest Chains; Plated; Collar; Cuff Buttons). A  
 Frankels Sons, Joseph, 68 Nassau (Precious Stones; Diamonds). AA  
 Franklin & Co., E. A., 7 Maiden Lane ((Imt. Diamonds). C  
 Frud & Perkes, 62 Bowery (Chains). F  
 Frothingham & Co., T. G., 9 Maiden Lane (Imt. Diamonds; Gold Jewelry). C  
 Geratman & Bandman, 75 Nassau (Gold Rings). C  
 Goldsmith & Co., C. P. (Diamond Mtgs.; Gold Jewelry; Rings). A  
 Goldsmith, Ingomar & Co., 182 Broadway (Diamond Mtgs.; Gem Set; Prec. Stones; Diamonds). A  
 Goodfriend Bros., 9 Maiden

# JEWELRY (Con.)

Lane (Imt.; Prec. Stones) A  
 Goodman Bros., 27 Maiden Lane (Prec. Stones) AA  
 Goodman & Byck, 23 Duane (Coral) F  
 Goodyear's India Rubber Glove Mfg. Co. (Rubber) AAAA  
 Gorham Mfg. Co., 19th & Broadway (Ecclesiastical) AAAA  
 Granberry, G. P., 114 E. 14th (Onyx; Pearl; Bead; Black; Lorgnette Chains; Gold Jewelry) F  
 Greaser & Son, J. R., 182 Broadway (Gem Set; Gold) B  
 Griffith & Son Co., R. L., 194 Broadway (Gold) B  
 Green & Bro., 51 Maiden Lane (Diamonds) A  
 Grenberg & Sons, A. I. (Gem Set; Am. Pearl; Diamonds) B  
 Hahn & Co., Reid C. (Agates; Diamonds) B  
 Hancock & Co., Chas. E. (Diamond Mtgs.; Gold Jewelry) B  
 Hartman, Peter (Fillgree; Pearl) D  
 Hedges & Co., A. J. (Gold) A  
 Hedges & Co., Wm. S. (Gem Set; Prec. Stones; Diamonds) AA  
 Heller & Son, L., 51 Maiden Lane (Prec. Stones) B  
 Hellinger & Co., R. J., 194 B'way (Silk; Gold Chains) X  
 Hirsch & Flaschner, 29 Gold (Rings) B  
 Hirsch & Hyman, 2 Maiden Lane (Diamonds) B  
 Hirschberg, Sig., 65 Nassau (Prec. Stones) A  
 Hodenpyl & Sons, 170 B'way (Gold; Gold Chains; Prec. Stones) B  
 Howard & Hockshaw, 220 4th Av. (Gold) B  
 Hutchison & Huestis, 3 Maiden Lane (Rings) A  
 Irons & Russell, 9 Maiden Lane (Emblems; Badges; Medals) A  
 Jonassohn, Oscar F., 65 Nassau (Imt.; Prec. Stones; Diamonds) B  
 Jonest, Victor, 33 Union Sq. (Imt. Diamonds) B  
 Jung, Staiger & Klitz, 1 Maiden Lane (Gold) B  
 Kahn, L. & M., 170 Broadway (Diamonds) AAA  
 Kaiser & Co., David (Diamond Mtgs.; Gem Set) B  
 Kameras, Max, 215 Grand (Gold Chains) F  
 Kaufman & Co., Lewis, 84 Fulton (Rings) A  
 Klein, Jno. R., 246 5th Av. (Gem Set) AA  
 Keller & Co., Chas., 192 B'way (Gold) AA  
 Kinder, Julius, 29 Gold (Gold Chains) X  
 King Collar Button Co., 530 B'way (Rolled Plate Collar Buttons) C  
 Kinscherf, Wm., 63 Maiden Lane (Gem Set) A  
 Kisby, Hy. A., 9 Maiden Lane (Gold) AAA  
 Kleinschmidt, Howland Co., 170 B'way (Diamonds) A  
 Kohn & Co., Alois, 16 Maiden Lane (Filled; Gold Chains) A  
 Kollender, M., 37 Maiden Lane (Prec. Stones) B  
 Krementz & Co., 170 B'way (Gold) AAA  
 Larter & Sons, 21 Maiden Lane (Link Collar, Cuff, etc., Buttons; Onyx; Watch Charms) A  
 Lawson, Samuel, 19 John (Agate; Chains; Onyx;

# JEWELRY (Con.)

Bead) F  
 Leimbach, F. E., 65 Nassau (Am. Pearls) C  
 Levy, Chas. M., 90 William (Gold; Rings) O  
 Levy, Herman, 65 Nassau (Diamonds) B  
 Lewis & Co., Fred W., 1 Maiden Lane (Precious Stones; Diamonds) AA  
 Leys, Christie & Co., 65 Nassau (Gold) B  
 Lessauer & Co., 12 Maiden Lane (Gold) AA  
 Lorach & Co., Albert, 37 Maiden Lane (Imt.; Prec. Stones; Diamonds) AAA  
 Lott & Schmitt, 116 Walker (Gold Novelties) C  
 Lounsberg & Son, A., 9 Maiden Lane (Gem Set) C  
 Lowe & Co., Edwin, 180 B'way (Rings) A  
 Maas & Co., Wm. (Amber; Diamond; Imitation; Electro-Plate; Hair; Horn) AA  
 Malliet & Maxwell, 14 Maiden Lane (Diamonds) B  
 Marchand Freres, 12 John (Diamonds) AA  
 Marsellus & Pitt, 2 Maiden Lane (Prec. Stones) B  
 Martin, Copeland & Co. (Neck laces) AA  
 Mauran Mfg. Co., Jno. T., 3 Maiden Lane (Gold) A  
 Mayer, David, 14 Maiden Lane (Diamonds) B  
 Metropolitan Aluminum Mfg. Co., 182 Houston (Aluminum) F  
 Moore & Son, 3 Maiden Lane (Rings) B  
 Mount & Woodhull, 26 Maiden Lane (Precious Stones; Diamonds) B  
 Myers & Co., S. F. (Brooches; Bracelets; Earrings) A  
 Nissen & Co., Ludwig, 182 B'way (Gem Set; Prec. Stones; Diamonds) AA  
 Nordlinger & Mamluck, 24 John (Imt. Stones) A  
 Oppenheimer & Co., E., 3 Maiden Lane (Prec. Stones) A  
 Oppenheimer Bros. & Veitch, 65 Nassau (Diamonds) AAA  
 Ostby & Barton Co., 9 Maiden Lane (Diamond Mtgs.; Gold) AAA  
 Peckham & Co., J. H., 9 Maiden Lane (Rolled Gold Plate) C  
 Peckham Seamless Ring Mfg. Co., 45 Maiden Lane (Gold Rings) C  
 Pierce, Clarence F., 170 B'way (Gold Chains) E  
 Potter & Buffington Co., 65 Nassau (Gold) A  
 Power & Co., Chas. L., 2 Maiden Lane (Precious Stones) E  
 Prager & Co., Morris, 14 Maiden Lane (Precious Stones; Diamonds) AA  
 Provenzano, J. N., 114 E. 14th. (Gun Metal) D  
 Purpur, Aug., 12 John (Prec. Stones) B  
 Quayle & Co., T., 9 Maiden Lane (Gold) C  
 Richards & Co., E. Ira (Bracelet Chains; Enamelled; Gold; Silver; Sterling Bangles; Charms; Ear Drops; Collar; Cuff Buttons; Buckles; Brooches; Earrings) AAA  
 Richardson & Co., Enos, 23 Maiden Lane (Gold Chains) AAA  
 Riley, French & Heffron, 14 Maiden Lane (Gold) AA  
 Rinley, Howland Mfg. Co., 3 Maiden Lane (Diamond Mtgs.) A  
 Roe & Hordemaker Co., 36

# JEWELRY (Con.)

Maiden Lane (Precious Stones) .....B  
 Rothschild Bros., 51 Maiden Lane (Gold Lockets; Brooches; Collar; Cuff Button; Links) .....C  
 Sachs, Leo. M., 7 Maiden Lane (Prec. Stones) ....B  
 Saunders, Jno. F., 68 Nassau (Prec. Stones) ....B  
 Scherr, Wm., 542 5th Av. (Gem Set) .....AA  
 Schenken & Sons, H., 130 Fulton (Diamonds) .....A  
 Seckels, Wm., 65 Nassau (Precious Stones) .....B  
 Sexton & Co., Wm. L., 7 Maiden Lane (Brooches; Pearl Necklaces; Gem Set; Gold; Diamond) ...C  
 Shiebler & Co., Geo. W., 5 Maiden Lane (Silver) ...A  
 Shuman Bros., 12 John (Gem Set) .....A  
 Simmons Bros. & Co., 170 B'way (Gold) .....A  
 Simmock & Serrill, 21 Maiden Lane (Rings; Onyx; Society Charms; Onyx; Society Charms) ..B  
 Sloan & Co., 21 Maiden Lane (Emerald; Horn; Silver; Earrings; Necklaces; Bracelets; Rosaries; Collar; Cuff; Linked Cuff Medals; Gold Watch Charms; Ear Drops; Bracelet Chains; Miniature Brooches; Garter Buckles; Buttons) .....B  
 Smith & Co., Alf. H., 170 B'way (Prec. Stones; Diamonds) .....AA  
 Snow & Westcott, 21 Maiden Lane (Gold) .....A  
 Sommer & Co., J. J., 180 B'way (Gold; Silver) ...C  
 Spencer Co., E. L., 9 Maiden Lane (Gold) .....B  
 Stafford Co., N. (Medals) ..F  
 Stern Bros. & Co., 68 Nassau (Gem Set; Gold Diamonds) .....AAAA  
 Strassburger & Co., Byron L., 17 Maiden Lane (Gem Set; Prec. Stones; Diamond) .....AA  
 Strassburger Son & Co., Louis, 170 B'way (Diamonds) .....AA  
 Strauss & Sons, Jacob, 14 Maiden Lane (Diamonds) .....A  
 Street & Sons, Geo. O., 24 John (Plated Chains; Gold; Collar; Cuff Buttons) .....B  
 Sturtevant Whiting & Bigelow, 12 John (Silver) ...B  
 Tannenbaum & Co., L., 52 Nassau (Prec. Stones; Diamonds) .....AA  
 Terrace & Strausman, 101 Canal (Chains) .....X  
 Toltec Gem Mining Co., 1 Maiden Lane (Prec. Stones) .....B  
 Townsend & Co., D. C., 170 B'way (Diamonds) .....AA  
 Treibs Bros., 68 Nassau (Pearls) .....B  
 Trenkmann, August (Tortoise Shell; Bracelets) ...AAA  
 Van Dam, Edward, 101 Beekman (Diamonds) ...B  
 Van Gilder, Kahn & Co., 170 Broadway (Diamonds) ..AA  
 Wahrman, Adolph (Chains) .....G  
 Wallach & Co., A., 37 Maiden Lane (Necklace Chains; Gold Chains; Bracelets) ..A  
 Wallach & Schiele, 65 Nassau (Diamonds) .....AA  
 Weller & Co., 34 E. 29th (Gem Set) .....B  
 Wheeler & Co., Harden W., 2 Maiden Lane (Gold Chains) .....AA  
 White & Co., J. J., 37 Maiden Lane (Gold) ....n

# JEWELRY (Con.)

Whiting Mfg. Co., 18th & Broadway (Gold Novelties; Gun Metal) .....AA  
 Wightman & Hough Co., 3 Maiden Lane (Badges; Emblems; Gold Medals) ..A  
 Wilcox & Co., D., 40 Maiden Lane (Diamond Mtgs.; Gem Set; Gold) .....AA  
 Wood & Co., Chas. F., 1 Maiden Lane (Necklaces; Diamonds) .....A  
 Wood & Sons, J. R., 170 B'way (Rings; Diamonds) .....AAA  
 Ziruth-Kaiser Co., 2 Maiden Lane (Gold Chains) ....B  
**N. Y.—Syracuse**  
 Hoveth, Geo. H. (Gold Rings) .....C  
**OHIO—Cincinnati**  
 Fox Co., Gustave . . . . .B  
 (Gold) .....B  
 Fox Bros. & Co. (Gem Set; Diamonds) .....AA  
 Gebhardt Bros., Lion Bldg. (Emblems; Badges; Medals; Brooch, Safety Device) .....C  
 Keck Mfg. Co., Herrman (Gem Set; Gold; Diamonds) .....AA  
 Naterman & Co., Jos. (Gold) .....B  
 Peck, Selmer & Peck (Gold) .....C  
**OHIO—Cleveland**  
 Amestine Bros. & Mier (Gold) .....A  
**PA.—Philadelphia**  
 Bedichimer & Co., I., 11th & Sansom (Emblems; Badges; Medals) .....B  
 Bennett & Son, Jacob, 1024 Chestnut (Gem Set) ....B  
 Deschamps, Jos. H., 701 Chestnut (Diamond Mtgs.; Gold; Jewelry) .....C  
 Diehl, J. H. (Medals) ...F  
 Krider Co., Peter L. (Society Medals) .....D  
 Pearce & Feraile, 103 18th (Gold; Bangles) .....B  
 Sickles & Sons., 726 Chestnut (Diamonds) ...A  
 Simmons Bros. & Co., 611 Sansome (Emblems; Badges; Jewelry; Electro-Plate; Gold; Silver) ..A  
**PA.—Pittsburg**  
 Heeren Bros. & Co. (Gold; Diamonds) .....AA  
**PA.—Reading**  
 Anderson Jewelry Co., L. D. (Pyrites; Alligators; Teeth) .....D  
**R. I.—Pawtucket**  
 Cobb & Co., W. R. (Settings) .....B  
 Fuller & Son Co., Geo. H. (Linked Cuff Buttons; Settings) .....A  
**R. I.—Providence**  
 Adams, D. F. (Old Chains; Onyx; Mourning) .....C  
 Allen, Jno. F. (Int.; Prec. Stones; Diamonds) .....B  
 Arnold & Steeve (Gold; Rings) .....B  
 Ballou & Co., B. A. (Collar; Cuff Buttons; Silver; Ear Drops; Gold; Plated Chains) .....AA  
 Barstow & Williams (Bangles) .....C  
 Bassett Jewelry Co. (Plated; Silver Chains; Gold) ....B  
 Pecker & Co., Geo. (Gold) ..C  
 Bennett & Co., E. A. (Rolled Gold Plate; Electro-Plate) ...O  
 Breidenbach, R. A. (Int. Stone; Diamonds) ....AA  
 Bruhl Bros. & Co. (Int. Stones; Diamonds) ....A  
 Cahoon & Co., Geo. H. (Int. Diamonds; Gold; Silver; Rings) .....A  
 Canon & Co. (Rolled Gold Plated) .....C  
 Champlin, S. B. (Plated; Filled Chains; Gold) ....B

# JEWELRY (Con.)

Chapin & Hollister Co.  
(Gold Plated Chains) ..B  
Clark & Coombs Co.  
(Rolled Gold; Plated  
Rings) .....A  
Cook Co., C. H. (Neck-  
laces) .....D  
Cory & Reynolds Co.  
(Plated Watch Charms;  
Ear Drops; Collar; Cuff  
Buttons; Coral; Rolled  
Gold Plated Scarf Pins) ..C  
Darling & Co., Chas. C.  
(Emblems; Badges; Med-  
als) .....B  
Devereux & Co., O. C.  
(Watch Charms; Gold  
Plated Collar; Cuff But-  
ton; Int. Diamonds;  
Mourning) .....D  
Dunn & Co., M. J. (Chains)  
.....E  
Elchenberg, Julius (Int.  
Stone; Rolled Gold Plate;  
Electro-Plate; Precious  
Stones; Buckles; Gold  
Plate) .....C  
Esser & Co. (Int. Diamonds;  
Rolled Gold Plate; Elec-  
tro-Plate) .....C  
Ettlinger, E. J. (Int. Dia-  
monds) .....C  
Feeley Co., W. J. (Medals)  
.....B  
Fitzgerald & Co., M.  
(Gold) .....A  
Fletcher, Burrows & Co.  
(Int. Diamonds; Rolled  
Gold Plate) .....C  
Ford & Carpenter (Rolled  
Gold Plate) .....B  
Foster & Bro. Co., Theo. W.  
(Earrings; Watch Charms;  
Ear Drops; Band Brace-  
lets; Chains, etc.: Gold;  
Gold Plated; Buckles; Sil-  
ver) .....A  
Fowler Bros. (Mourning) ..C  
Fuller Mfg. Co., J. G. (Gold  
Plated Chains) .....B  
Goldsmith & Harzberg  
(Electro-Plate) .....B  
Goodfriend Bros. (Int.  
Diamonds) .....A  
Gorham Mfg. Co. (Ivory) ..AAAA  
Graham & Williams (Elec-  
tro-Plate) .....C  
Green Co., A. A. (Plated;  
Filled Chains) .....A  
Griffith & Sons Co., R. L.  
(Plated Chains; Int. Dia-  
monds; Gold; Gold Plated;  
Coral) .....B  
Hamilton & Hamilton, Jr.  
(Plated Chains, etc.) ..A  
Hancock Co., Chas. E.  
(Hoop Earrings; Collar;  
Cuff; Ladies' Collar;  
Linked Cuff; Ear Drops;  
Band Bracelets; Int. Dia-  
monds Gold) .....B  
Harvey & Otis (Emblems;  
Badges; Medals) .....C  
Hutchinson & Heustes  
(Gold Rings) .....A  
Irons & Russell (Charms;  
Emblems; Badges; Med-  
als) .....A  
Kirby, Hy. A. (Gold) ..AAA  
Lederer & Bro. (Plated  
Chains, etc.) .....D  
Lederer Co., S. & B.  
(Plated; Shell; Society;  
Watch Charm; Plated;  
Gilt; Hair; Silk Chains;  
Emblems; Badges; Med-  
als; Int. Diamonds; Elec-  
tro-Plated; Silver; Neck-  
laces; Band Bracelets;  
Brooches; Bangles) ....C  
Leider & Bernkopf (Prec.  
Stones) .....B  
Lewis & Co., S. M. (Silver)  
.....A  
Lindol & Co., H. C. (Int.  
Diamonds; Gold) .....C  
Linton Co., P. & A. (Hoop  
Earrings; Ear Drops;  
Electro-Plate; Rolled  
Gold Plated) .....B  
Loeb & Co., Wm. (Collar;  
Cuff Buttons; Int. Dia-

# JEWELRY (Con.)

monds; Rolled Gold  
Plated; Electro-Plated) ..A  
Lorsch & Co., Albert (Int.  
Diamonds) .....AAA  
Luther & Son, Wm. H. (Ear  
Drops; Charms; Collar;  
Cuff Buttons; Bracelets;  
Brooches; Electro-Plated;  
Silver) .....B  
Marders & Kettlety (Elec-  
tro-Plated) .....C  
Martin, Copeland & Co.  
(Gold Chains; Rings; Eye-  
glass; Necklace; Chate-  
laine; Silver Watch  
Chains) .....AA  
Mauran Mfg. Co., Jno. T.  
(Gold) .....A  
Merrill & Co., S. K.  
(Rolled Gold Plated) ..B  
Messler, A. C. (Rolled Gold  
Plated) .....B  
Moorhead & Co., R. L.  
Brooches; Collar; Cuff;  
Linked Buttons; Brace-  
lets; & Silver; Ear Drops;  
Int. Diamond; Rolled  
Gold Plated) .....B  
Ostby & Barton Co. (Gold  
Rings) .....AAA  
Palmer & Caprove (Rings).  
.....AA  
Parks Bros. & Rogers  
(Rolled Gold Plate) ...A  
Payton & Kelly Co. (Chains;  
Gold) .....C  
Pollard & Co., A. (Chate-  
laines; Brooches) .....E  
Potter & Co., E. A. (Ear  
Drops; Gold; Gold Plated)  
.....C  
Potter & Buffington Co.  
(Collar; Cuff; Linked;  
Buttons; Brooches; Neck-  
laces; Amber; Diamond;  
Gold; Bracelets) .....A  
Providence Stock Co. (Plated  
Chains; Gold; Silver  
Buckles) .....D  
Quale & Co., Thos. (Gold) ..C  
Rosenberg, Smith Co.  
(Plated Chains, etc.; Wire  
Gilt Chains) .....B  
Rov & Co., L. J. (Chains) ..F  
Schofield, Batty & Co.  
(Electro-Plated) .....C  
Schwarzkopf & Co., J.  
(Rolled Gold Plated) ...C  
Seamless Wire Mfg. Co.  
(Gold; Plated; Watch  
Charms; Chains) .....X  
Smith Co., C. Sydney  
(Gold Chains) .....A  
Smith & Co., Geo. J. (Int.  
Diamond; Rolled Gold  
Plated; Chatelaines;  
Buckles) .....C  
Smith & Co., Wm. (Pearl-  
lets; Gold; Silver Chains)  
.....A  
Smith & Blankington  
(Chains) .....X  
Smith Bros. (Electro-  
Plated) .....B  
Snow & Westcott (Black;  
Onyx Chains; Charms;  
Diamond; Gold; Onyx;  
Bangles; Bracelets;  
Brooches; Collar; Cuff  
Buttons; Ear Drops; Ear-  
rings; Hair Brooches) ..A  
Solinger & Co., J. (Rolled  
Gold Plated; Electro-  
Plated; Rings) .....C  
Spencer Co., E. L. (Gold) ..B  
Stern & Co., Louis  
(Chains) .....B  
Thernton Bros. (Badges;  
Medals; Emblems; Rolled  
Gold Plated) .....A  
Tuttle & Stark (Chate-  
laines) .....E  
Vose Mfg. Co., Geo. L. (Col-  
lar; Cuff; Linked But-  
tons; Necklaces) .....B  
Walte, Matthewson & Co.  
(Collar; Cuff Button;  
Electro-Plate; Gold; Gold  
Plated; Bangles) .....B  
Walte-Thresher Co. (Ear  
Drops; Watch Charms;  
Chains; Int. Diamonds;



**JEWELRY (Con.)**

Gold; Gold Plated; Silver) A  
 Warren & Williams (Gold; Stone Rings) .....C  
 White & Co., J. J. (Gold; Gold Plated; Silver)...B  
 Wightman & Hough Co. (Gold; Gold Plated) ...A  
 Wilcox & Co., D. (Gold; Diamond) .....AA  
 Wildpret & Saacke (Gold Rings) .....B  
 Williams & Co., M. F. (Imt. Diamonds; Rolled Gold Plate) .....C  
 Williams & Anderson (Badges; Medals; Emblems) .....A  
 Williams & Son, Hy. (Chains, etc.; Pyrites).D  
 Williams & Payton (Mourning; Buckles; Gold Plated;; Buttons; Pearl Collar; Cuff) .....D  
**WIS.—Manitowoc**  
 Manitowoc Aluminum Nov. Co. (Aluminum) .....B  
**WIS.—Milwaukee**  
 Bunde & Upmeyer Co. (Diamond; Pearl) .....AA  
 Schwaab Stamp & Seal Co. (Medals) .....C  
**WIS.—Two Rivers**  
 Aluminum Mfg. Co. (Aluminum; Medals) .....A

**JEWELS**

**ILL.—Elgin**  
 Gustason Jewel Co., O. (Balance) .....G  
**ILL.—Evanston**  
 Wehrstedt, C. H. (Watch) B

**JIGGERS**

**CONN.—Danbury**  
 Morlock & Heusk (Leather) E  
**N. J.—Paterson**  
 Terhune Machine Wks., J. S. ....E  
 Watson Machine Co. ....A  
**N. J.—Trenton**  
 Crossley Mfg. Co. (Crucible) .....B  
 MacKenzie Sons Co., Duncan .....A  
**PA.—Philadelphia**  
 Butterworth & Sons Co., H. W. ....A  
**R. I.—Providence**  
 Textile Finishing Mchry. Co. ....AAA

**JIGS**

**CONN.—Hartford**  
 Sigourney Tool Co. (Drill) A  
**ILL.—Chicago**  
 Allis-Chalmers Co. (Ore).. AAAA  
**MASS.—Lynn**  
 Dwyer Machine Co. ....F  
**MICH.—Detroit**  
 Anderson & Sons, W. H. (Concentrating) .....C  
**WICH.—Menominee**  
 Dudley Mfg. Co., A. (Bicycle Construction Frame).F  
**PA.—Hazleton**  
 Hazleton Iron Wks. (Coal) B  
**PA.—Mauch Chunk**  
 Stroh, W. H. (Coal) .....C  
**PA.—Tamaqua**  
 Tamaqua Mfg. Co. (Coal).B  
**PA.—White Haven**  
 Wallace, Samuel (Coal)..D

**JOGGERS**

**WICH.—Battle Creek**  
 Hart, R. A. (Paper) ....E

**JOINTERS**

See also Machinery

**CONN.—New Haven**  
 Sargent & Co. ....AAAA

**JOINTERS (Con.)**

**CONN.—Norwich**  
 Rogers & Co., C. B. ....AAAA  
**CONN.—Pine Meadow**  
 Chapin-Stevens Co. ....A  
**ILL.—Decatur**  
 Mueller Mfg. Co., H. (Pipe) AAA  
**MASS.—Boston**  
 Woods Machine Co., S. A. AA  
**MASS.—Kingston**  
 Drew & Co., C. (Bricklayers') .....C  
**MICH.—Jackson**  
 Dennis Machine Co. (Hand) .....D  
**N. H.—Pike Station**  
 Pike Mfg. Co. (Saw) ....A  
**N. J.—Smithville**  
 Smith Mach. Co., H. B. ....A  
**N. Y.—Buffalo**  
 Frank Machinery Co. (Glue) .....C  
**N. Y.—Lockport**  
 Trevor Mfg. Co. (Shingle).B  
**New York City**  
 American Wood Working Mach. Co. ....AAAA  
**N. Y.—Rome**  
 Adams & Son, T. (Box Board; Shingle) .....C  
**OHIO—Cincinnati**  
 Fay, J. A. & Egan Co. (Glue) .....AAAA  
**OHIO—Cleveland**  
 Gerlach Co., Peter (Shingle) .....A  
 Oram, Jno. S., 160 Coe (Heading; Nail Keg) ..A  
**OHIO—Columbus**  
 Ohio Tool Co. ....AA  
**OHIO—Hamilton**  
 Bentel & Margsdant Co. (Masons') .....A  
**OHIO—Sandusky**  
 Sandusky Tool Co. ....A  
**PA.—Philadelphia**  
 Colladay, Jos. O. ....B  
 Power & Co., L. ....A  
**VT.—Montpelier**  
 Lane Mfg. Co. (Shingle)..A  
**WIS.—Beloit**  
 Berlin Machine Wks. (Glue) .....AAAA  
**WIS.—Milwaukee**  
 Filer & Stovell Co. (Ltd.) (Shingle) .....AAA  
**WIS.—Sheboygan Falls**  
 Falls Machine Co. (Automatic Glue).....D

**JOINTS**

See also Knuckles  
 See also Hardware; Carriage; etc.

**CONN.—Hartford**  
 Gray & Prior Machine Co., 302 Asylum (Ball; Universal) .....F  
 Vanderbeck Tool Wks. (Knuckle; Universal) ..B  
**CONN.—Mt. Carmel**  
 Woodruff & Sons, Walter W. (Concealed) .....A  
**CONN.—New Britain**  
 Stanley Works (Step Ladder) .....AAA  
**CONN.—New Haven**  
 Cowles & Co., O. (Stump) A  
**CONN.—Plantsville**  
 Atwater Mfg. Co. (Stump) A  
 Blakeslee Forging Co. (Stump) .....B  
 Smith & Co., H. D. (Stump) .....A  
**ILL.—Batavia**  
 Challenge Wind Mill & Feed Mill Co. (Expansion) AAA  
**ILL.—Chicago**  
 Chicago Gas & Elect. Fixture Co., 212 Wabash Av. (Insulating) .....B  
 Clow & Sons, Jas. B., 844 Franklin (Flexible Ball) AAA  
 Crane Co. (Expansion) AAAA  
 Railway Appliance Co. (Expansion) .....A

**JOINTS (Con.)**

Swadkins, W. F., 143 Fulton  
(Double Expansion with  
Brass Sleeves) .....X  
**ILL.—Edwardsville**  
Edwardsville Brass Co. (Ex-  
pansion) .....B  
**ILL.—Kewanee**  
Western Tube Co. (Ball;  
Expansion) .....AAA  
**KY.—Louisville**  
Moran Flexible Steam Joint  
Co. (Flexible) .....E  
**MD.—Baltimore**  
Poole Engineering & Ma-  
chine Co. (Ball; Univer-  
sal) .....AA  
**MASS.—Boston**  
Boston Gear Wks., 152 Pur-  
chase (Ball; Universal) B  
Coffin Valve Co. (Expan-  
sion for Pipe Mains) ..D  
Macallen & Co., 338 Con-  
gress (Insulating) ....AA  
Walworth Mfg. Co., 182  
Federal (Expansion)AAAA  
**MASS.—Haydenville**  
Haydenville Co. (Expansion)  
A  
**MASS.—Plymouth**  
Bradford Joint Co. (Bed-  
stead) .....D  
**MASS.—Springfield**  
Baush Machine Tool Co.  
(Universal) .....A  
**MASS.—Taunton**  
Taunton Locomotive Mfg.  
Co. (Expansion from 14 to  
42 Diam.) .....A  
**MICH.—Fenton**  
Walker Mfg. Co. (Flexible;  
Pipe; Ball) .....D  
**N. J.—Newark**  
Continuous Rail Joint Co.  
(Insulated; Continuous  
Rail) .....AA  
Gould & Eberhardt (Univer-  
sal Coupling; Ball) .....A  
**N. Y.—Auburn**  
Clapp Mfg. Co., E. D.  
(Stump) .....B  
**N. Y.—Binghamton**  
Crandel, Stone & Co.  
(Concealed; Stump) ..A  
**N. Y.—Lockport**  
Amer. District Steam Co.  
(Ball; Iron Body Expan-  
sion for Underground or  
Inside Work; Flanged;  
Angle) .....AAA  
**N. Y.—Newburg**  
Coldwell-Wilcox Co. (Expan-  
sion; Flexible) .....B  
**New York City**  
Drummond & Co., M. J.,  
192 Bway (Pipe Flexible)  
A  
Eaton, Cole & Burnham Co.,  
253 Bway. (Expansion)  
AAAA  
Frees, C. A., 853 Bway.  
(Artificial) .....X  
Gleason Mfg. Co., E. P., 20  
W. Houston (Insulating)  
B  
Judd & Co., H. L. (Adjust-  
able Pole) .....AA  
McNab & Harlin Mfg. Co.,  
58 John (Expansion), AAA  
Metal Stamping Co. (Stump)  
A  
Reilly Repair & Supply Co.,  
James, 229 West (Expan-  
sion) .....AA  
Weber Railroad Joint Mfg.  
Co., 71 Bway. (Insulated  
for Elec. Track Circuits)  
A  
**N. Y.—Syracuse**  
Pass & Seymour (nsulating)  
A  
**OHIO.—Cincinnati**  
Central Brass Works (Ex-  
pansion) .....D  
Lee, Thomas (Filtering for  
obtaining pure cistern  
water) .....C  
Lunkenhelmer Co., Beekman  
& Waverley (Expansion)  
AA  
Powell Co., Wm., 2525 Spg.  
Grove Av. (Expansion) ..A  
Queen City Brass & Iron

**JOINTS (Con.)**

Works (Brass Expansion)  
B  
**OHIO.—Cleveland**  
Chisholm & Moore Mfg. Co.  
(Rail) .....AA  
**PA.—Erie**  
Jarecki Mfg. Co. (Expan-  
sion) .....AAAA  
**PA.—Philadelphia**  
Belfield & Co., H., 435 N.  
Broad (Iron; Brass Ex-  
pansion) .....AA  
Cambria Iron Co. (Lock  
Nut; Rail) .....AAAA  
Eynon-Evans Mfg. Co., 1507  
Clearfield (Universal) ..A  
Flagg & Co., Stanley G.,  
19th & Penn Av. (Insu-  
lating) .....AAA  
Penn Steel Co. (Rail).AAAA  
Stow Flexible Shaft Co.  
(Universal) .....B  
Thompson & Co., J., Van  
Horn & Sophia (Expan-  
sion) .....A  
Underwood & Co., H. B.,  
1025 Hamilton (Expan-  
sion) .....B  
**R. I.—Providence**  
Wall & Co., A. T. (Jewelry)  
C

**JUGS**

See Stoneware; Pottery..

**JUICES: FRUIT,  
GRAPE, PRUNE,  
CLAM, ETC.**

**CAL.—LOS Angeles**  
Baker-Heron Mfg. Co., 811  
Stephenson Av. (Fruit).A  
Los Angeles Fruit Juice Co.  
(Orange; Syrup) .....A  
Shaw Preserve Co. (Fruit).B  
Sunland Orchard Co. ....D  
**CAL.—Redlands**  
Kingsbury, H. P. D. (Fruit)  
C  
**CAL.—San Francisco**  
I. X. L. Packing Co., 21  
10th (Clam) .....D  
Scott & Gilbert, 300 Davis  
D  
**DEL.—Wilmington**  
Smith & Painter (Fr. Gr.  
Nuferm.) .....A  
**ILL.—Chicago**  
Hutchinson & Son, W. H.  
(Fruit) .....A  
Reid, Murdoch & Co., Lake  
& Market .....AAAA  
**MASS.—Boston**  
Beach & Claridge Co., 208  
Camden (Lime) .....B  
Murray Co., 210 State ....C  
Von Laer & Co., J. P. W.,  
383 Atlantic Av. ....C  
**MICH.—Benton Harbor**  
Lee, Jno. H. (Grape)....B  
**MINN.—Minneapolis**  
Bertrand Mfg. Co., H., 137  
N. 10th .....D  
New England Bottling Co.,  
3d & Hennepin .....D  
**MO.—St. Louis**  
Boyle, Geo. A., 113 S. 2d  
(Clam) .....B  
**N. J.—Cedar Brook**  
Kellner, Chas. E. ....D  
**N. J.—Jersey City**  
Amer. Ferment Co. (Lifhe)  
D  
**N. J.—Vineland**  
Durgin, H. ....C  
Ellis & Sons (Grapes)....C  
Vineland Grape Juice Co....D  
**N. Y.—Canandaigua**  
Murray, Jas. D. (Grapes).D  
**N. Y.—Islip**  
Doxsee & Sons, J. H. (Clam)  
C  
**New York City**  
Barrett Co. (Prune) .....D  
Burnham & Co., E. S.,  
61 Gansevoort (Clam)....B  
Chaskel Chemical Wks....X  
Dewey & Sons' Co., E. T.,  
138 Fulton (Grape)....A  
Engs & Sons' Co., P. W.,  
288 W. B'way (Grape)....A

**JUICES: FRUIT, ETC.**

Evans & Sons (Ltd.), 133  
William (Lime) .....A  
McKesson & Robbins (Fruit)  
AAAA  
Peloubet Mfg. Co., A. H.,  
309 E. 43d (Fruit) ....D  
Matthews, John (firm of)  
(Fruit) .....AA  
Ross & Bro., W. A., 11 S.  
William (Lime) .....B  
Rath & Co., Nicholas (Fruit;  
Prune) .....AA  
Ruddins' Sons, W., 427 4th  
Av. ....A  
Sarsaferine Co., 528 E. 43d  
(Fruit) .....D  
Schieffelin & Co., W. H.  
(Fruit) .....AA  
Shafer Co., I. C., 268 W.  
B'way (Fruit) .....A  
Soloman & Co., A. A., 37  
Beaver (Peach; Prune).E  
Waterman Condensing Co.,  
48 Vesey (Liquid Fr.)..C  
Welch Grape Juice Co., 78  
Park Pl. ....B  
Wood & Selick (Fruit)....A  
N. Y.—Penn Yan  
Gray Rock Vineyard Co.  
(Grape) .....B  
Snow Grape Juice Co.....D  
N. Y.—Portland  
Taylor & Fuller (Grape)..A  
N. Y.—Ripley  
Chautauqua Fruit Company  
(Grape) .....D  
Gleason Grape Juice Co....D  
N. Y.—Silver Creek  
Silver Creek Pres. Co....D  
N. Y.—Westfield  
Chautauqua Fruit & Grape  
Juice Co. ....B  
Holland Wine Co. (Grape).D  
Welch Grape Juice Co....B  
OHIO—Cleveland  
Benton, Hall & Co.....AA  
OHIO—Cincinnati  
Mihalovitch - Fletcher Co.  
(Fruit) .....AAA  
OHIO—Fremont  
Fremont Grape Juice Co...D  
OHIO—Unionville  
Cleveland Cider Co. (Fruit)  
D  
PA.—Erie  
Werner Vin. & Pickling Co.  
(Grape) .....A  
PA.—Philadelphia  
Ritter Conserve Co., P. J.,  
2156 E. Dauphin (Grape) A  
Hance Bros. & White  
(Fruit) .....AA  
R. I.—East Providence  
Huntington Maple Syrup &  
Sugar Co. (Lime) .....D

**JUMPERS**

See Clothing; Mens.

**JUNKET**

See Rennet

**KALAMEIN**

New York City  
Howell & Lawrence, 402 E.  
93d (for Fire Proofing  
Doors; Windows; Shut-  
ters) .....D

**KALSOMINE**

ILL.—Chicago  
Rubber Paint Co. ....A  
MASS.—Boston  
Bird & Co., J. A. & W.,  
34 India .....AA  
MICH.—Hudson  
Hook, Hardis Co. ....D  
MO.—St. Louis  
Mound City Paint & Color  
Co. ....AA  
N. J.—Jersey City  
Woolsey Paint & Color Co.,  
C. A. ....A  
N. Y.—Buffalo  
Mets Paint Co., P. A., 328  
Washn. (Cold Water) ..D  
N. Y.—New Brighton  
Murraro Co. ....A

**KALSOMINE (Con.)**

New York City  
Fox & Co., M. E., 136th &  
Rider Av. (Prepared) .D  
Longman & Martinez .AAA  
Tiemann & Co., Daniel F. A  
Valentine & Co. ....AAAA  
Whittaker, W. H., 245  
Front .....E  
N. Y.—Troy  
Connors Paint Mfg. Co. A  
Troy Cold Water Kalsomine  
Co. (Cold Water) .....E  
PA.—Philadelphia  
French & Co., S. H. ....A  
Lucas & Co., Jno., 4th &  
Race .....AAA  
R. I.—Providence  
Hainbach, Bernan .....D  
VT.—Saxton's River  
Edson Starks & Co. ....D  
VA.—Richmond  
Atlantic Varnish Wks....D

**KANGAROO**

See Leather

**KAOLIN**

See also Clay

DEL.—Wilmington  
Golding Sons' Co. ....AA  
N. J.—Metuchen  
Bloomfield Clay Co. ....X  
N. J.—Woodbridge  
Valentine & Bro. Co., M. D.  
AA  
N. Y.—Troy  
Ostrander Fire Brick Co. A  
PA.—Philadelphia  
Paxson Co., J. W. ....AA  
S. C.—Langley  
Immaulata Kaolin Co.....C  
Lamar Kaolin Co., T. G. B  
Peerless Clay Co. ....D

**KEELERS**

New York City  
Cordley & Hayes (Fibre) A  
N. C.—Fayetteville  
Fayetteville Woodenware  
Co. (White Cedar) ....C  
VA.—Richmond  
Richmond Cedar Wks.  
(Ltd.) (Cedar) ....AAAA

**KEGS**See also Cooperage; Wooden-  
ware.

CAL.—San Francisco  
Cal. Barrel Co. (Nail;  
Syrup; White Lead) AA  
CONN.—Hazardville  
Bridge, A. D. (Powder) ..A  
MASS.—Boston  
Lang & Jacobs Co. (Nail) F  
MASS.—Lunenburg  
Taylor, Augustus (Syrup) D  
N. H.—Keene  
Impervious Package Co.  
(Nail; Powder; Syrup;  
White Lead) .....B  
N. Y.—Brooklyn  
Brooklyn Cooperage Co.  
(Nail; Syrup) .....A  
New York City  
Schwarzwalder & Sons, J.  
(Nail) .....AAAA  
OHIO—Cincinnati  
Cincinnati Cooperage Co.  
(Nail; White Lead) AAA  
Hauser, Brennan & Fath Co.  
(Nail) .....B  
OHIO—Circleville  
Eagle Cooperage Wks.  
(Nail; Bolt; Nut, etc.) G  
OHIO—Cleveland  
Cleveland Wire Spring Co.  
(Steel Shop; Factory) A  
OHIO—Niles  
Ohio Galvanizing & Mfg. Co.  
(Steel) .....B  
OHIO—Salem  
Clark Co., W. J. (Metallic;  
Steel; Factory; Nail; Nut;  
Bolt, etc.) .....A  
OHIO—Sandusky  
Kilbourn & Co. (Nail;  
Pickle) .....C

**KEGS (Con.)**  
**PA.—Pittsburg**  
 Badke Mfg. Co. (Powder) B  
 Bell Co., Edwin (Nail;  
 Bolt; Nut, etc.) .....A  
 E. I.—Pawtucket  
 Jenckes Mfg. Co., E. (Nail)  
 A  
**VA.—Richmond**  
 Richmond Cedar Wks.  
 (Oak) .....AAAA

## KERSEYS

See Woolen Goods

## KETTLES

See also Calldrons; Tinware;  
 Aluminum Ware; Hollo-  
 ware; Woodenware; En-  
 amelled Ware.

**CONN.—Meriden**  
 Manning, Bowman & Co.  
 (Enameled; Swing; Tin  
 Tea) .....AA  
 Meriden Britannia Co.  
 (Covered) .....AAAA  
 Miller & Co., Edw. (Brass)  
 AAAA

**CONN.—Waterbury**  
 Randolph-Clowes Co.  
 (Brass) .....AAA  
 Waterbury Brass Co.  
 (Brass) .....AAAA

**CONN.—Winsted**  
 Goodwin & Kintz Co.  
 (Five O'Clock Tea) ....B

**GA.—Columbus**  
 Columbus Iron Wks. Co.  
 (Iron) .....AA

**ILL.—Batavia**  
 Sperry & Co., D. B. (Steam  
 Jacket; Sugar) .....B

**ILL.—Chicago**  
 Harris & Bro., Geo. P., 64  
 W. Lake (Steam Jacket)  
 B

**Kaestner & Co. (Steam  
 Jacket)** .....A  
**Perrin & Co., W. R. (Lard)**  
 A

**Vulcan Iron Wks. (Foundry)**  
 AA

**ILL.—Clyde**  
 Coonley Mfg. Co. (Tea) ..B

**ILL.—Hoopeston**  
 Sprague Canning Machy.  
 Co. (Steam Jacket) ...A

**ILL.—Lemont**  
 Illinois Pure Aluminum Co.  
 (Aluminum Steam Jack-  
 eted) .....A

**IND.—Indianapolis**  
 Langenkamp, Wm. (Steam  
 Jacket; Copper) .....B  
 Over, Ewald, 426 S. Penn  
 (Sugar) .....C

**IND.—Jeffersonville**  
 Indiana Mfg. Co. (Sugar) A

**IND.—Terre Haute**  
 Columbian Enameling &  
 Stamping Co. (Tea) AAA

**IOWA.—Burlington**  
 Murray Iron Wks. Co.  
 (Steam Jacket) .....A

**IOWA.—Keokuk**  
 McElroy Iron Wks. Co.  
 (Steam Jacket) .....F

**KANS.—Leavenworth**  
 Great Western Mfg. Co.  
 (Plaster) .....AA

**MD.—Baltimore**  
 Poole Engineering & Mach.  
 Co. (for Melting Lead)AA

**MASS.—Boston**  
 Badger & Sons Co., E. B.,  
 63 Pitts (Steam Jacket;  
 Mixing) .....B

**Braman, Dow & Co., 239  
 Causeway (Steam Jacket)**  
 AAA

**Strater & Sons, Herman**  
 (Copper; Steam Jacket) A

**Walker & Pratt Mfg. Co.,  
 83 Union (Steam Jacket;  
 Glue; Tar, etc.) .....AA**

**Walworth Mfg. Co., 182  
 Federal (Steam Jacket)**  
 AAAA

**MASS.—Cambridge**  
 Campbell Iron Wks. (Tar) X

**KETTLES (Con.)**  
**MASS.—Lowell**  
 Lowell Machine Shop (Size)  
 AAAA

**MICH.—Grand Rapids**  
 Buterworth & Lowe  
 (Stucco) .....A

**MICH.—Kalamazoo**  
 Clark Engine & Boiler Co.,  
 Geo. (Steam Jacket) ..B

**MICH.—Lansing**  
 Bement & Sons, E. (Sugar)  
 X

**MO.—St. Louis**  
 Brecht Butchers' Supply  
 Co., G. V., 1201 Cass Av.  
 (Lard) .....AAAA

**O'Brien Boiler Wks. Co.,  
 Jno. (Soup) .....AA**

**St. Louis Stamping Co.**  
 (Brass; Enameled; Pre-  
 serving; Stove; Covered;  
 Fish; Enameled Tea)  
 AAAA

**N. J.—Burlington**  
 Stuart & Peterson Co.  
 (Sugar; Steam Jacket;  
 Preserving Plain or Por-  
 celain Lined) .....A

**N. Y.—Albany**  
 Hoy & Co. (Tin Tea) ..A

**Townsend Furnace & Ma-  
 chine Shop Co. (Aniline;  
 Size) .....B**

**N. Y.—Brooklyn**  
 Burkhard, Thomas, 494  
 Flushing Av. (Steam Jack-  
 et; Copper Jacketed) ..C

**Houchin & Huber (Soap) D**  
**New York Stamping Co.**  
 (Five O'Clock Tea) ....A

**Pioneer Iron Wks., William  
 & King (Steam Jacket;  
 Tar) .....A**

**Sweeney Mfg. Co., W. H.**  
 (Brass; Butter; Copper;  
 Copper Range; Stove;  
 Punch; Brass Range; Tin  
 Range; Tea; Tin, Copper  
 Tea) .....A

**N. Y.—Buffalo**  
 Aldrich Mfg. Co. (Copper;  
 Tea; Copper Sugar;  
 Sugar) .....A

**Dopp Co., H. W., 522 Elliot  
 (Steam Jacket Hotel;  
 Sugar; Soap) .....D**

**Jewett Mfg. Co., Jno. C.**  
 (Swing; Tin Tea) ....AA

**Pierce Co., Geo. N. (Cop-  
 per; Tin Tea) .....AA**

**Shepard & Co., Sidney (Tin  
 Tea; Brass; Copper)AAAA**

**Smith's Sons Co., John E.**  
 (Lard; Tanners') .....B

**Squier Mfg. Co., Geo. L.**  
 (Copper; Iron; Sugar)AAA

**N. Y.—Manlius**  
 Cheney & Son, S. (Caldron)  
 A

**New York City**  
 Ansonia Brass & Copper Co.  
 (Brass) .....AAAA

**Bramhall-Deane Co. (Jacket  
 Hotel Steam; Iron) ...B**

**Cottrell & Sons Co., O. B.**  
 (Wax) .....AAA

**Crandall & Godley Co.**  
 (Copper) .....AA

**Dame & Townsend Co., 76  
 John (Steam Jacket) D**

**Deeley & Co., Robert (Tar;  
 Glue; Soap; Sugar) ...AA**

**Joachim, Andrew, 148 E.  
 50th (Steam Copper Jack-  
 eted) .....E**

**Koven & Bro., L. O., 50  
 Cliff (Tar) .....A**

**Lalace & Grosjean Mfg.  
 Co. (Brass; Butter; Ena-  
 melled; Fish; Preserving;  
 Enameled Tea) .....AAAA**

**Lovejoy Co. (Wax) .....B**  
**Mott Iron Wks., J. L., 88  
 Beekman (Steam Jacket)**  
 AA

**Pollock Co., Alex., 203 West  
 (Tar) .....D**

**N. Y.—Rome**  
 Rome Mfg. Co. (Tea; Brass;  
 Copper; Range) .....B

**N. Y.—Troy**  
 Brewer, Wm. W., 2787 6th  
 Av. (Steam Jacket) ...F

**KETTLES (Con.)**

Troy Stamping Wks. (Milk;  
Preserving; Tin Tea) .....

AAAA

N. Y.—Utica

International Heater Co.  
(Caldron; Glue; Tar, etc.) .....

AAA

N. Y.—Watkins

Frost, C. S. & Chas. H.  
(Iron) .....

F

N. C.—Charlotte

Tompkins Co., D. A. (Size)  
.....

AA

OHIO—Bucyrus

Geiger & Bush (Copper) D  
Picking & Co., D. (Copper;  
Copper Jacket; Brass) .....

C

OHIO—Cincinnati

Amer. Copper & Brass Wks.  
427 E. Front (Brass; Cop-  
per) .....

A

Blymyer Iron Wks. Co.

(Iron; Sugar) .....

B

Ellerhorst & Co., J. G.  
(Steam Jacketed; Copper)  
.....

A

Day Co., J. H., 1144 Har-  
rison Av. (Steam Jacket)  
.....

A

Honhorst & Co., Jos., 525 E.  
Pearl (Tar) .....

E

Littleford Bros., 453 E.  
Pearl (Steam Jacket;  
Tar) .....

B

Van Range Co., John (Jack-  
eted Steam Hotel; Cop-  
per Jacket) .....

A

OHIO—Cleveland

Cleveland Stamping & Tool  
Co. (Tea; Range) .....

A

OHIO—Defiance

Defiance Machine Wks.  
(Iron) .....

A

OHIO—Hamilton

Kahn & Bros., F. & L.  
(Iron) .....

A

OHIO—Massillon

Hess Snyder & Co., (Sugar;  
Soda) .....

AA

OHIO—Salem

Silver Mfg. Co. (Lard) .....

AA

OHIO—Sidney

Wagner Mfg. Co. (Iron) .....

A

OHIO—Springfield

Long, W. Z. (Copper) ...

D

PA.—Allegheny

Carlin's Sons Co., Thos.  
(Tar) .....

A

PA.—Belleville

Hertzler & Zook (Iron) .....

E

PA.—Elizabethport

Buch's Sons Co., A.  
(Caldron) .....

A

PA.—Marietta

Marietta Hollow Ware &  
Enameling Co. (Preserv-  
ing) .....

B

PA.—New Castle

Penna. Engineering Wks.  
(Soda) .....

AA

PA.—Philadelphia

Butterworth & Sons Co., H.  
W. (Color) .....

A

Hibbs, E. A., 209 Quarry  
(Tar) .....

B

Nittinger, August (Lard) A  
Wilfong Bros. (Galvanizing;  
Lead Melting) .....

B

PA.—Pittsburg

Ritter-Conley Mfg. Co. (Tar;  
Glue) .....

AAA

Scaife & Sons Co., Wm. B.,  
221 1st Av. (Steam Jack-  
et) .....

AAA

Standard Mfg. Co. (Acid) .....

AA

PA.—Reading

Mt. Penn Stove Wks. (Soap;  
Sugar) .....

A

PA.—South Pittsburg

Blacklock Foundry (Sugar;  
Tea; Range) .....

O

PA.—Washington

Petroleum Iron Wks. Co.  
(Steam Jacket) .....

A

PA.—Williamsport

Keeler Co., E. (Steam  
Jacket; Tar) .....

A

PA.—York

Motter & Sons, Geo. F.  
(Steam Jacket) .....

O

R. I.—Providence

Brown & Sharpe Mfg. Co.  
(Soda; Tool Cleaning)  
.....

AAAA

**KETTLES (Con.)**

Franklin Machine Co.

(Size) .....

A

TENN.—Chattanooga

Chattanooga Plow Co.  
(Sugar) .....

AA

WIS.—Milwaukee

Allis-Chalmers Co. (Lead  
Melting) .....

AAAA

Toepfer & Sons, W. (Brew-  
ing) .....

B

WIS.—Racine

Freeman's Sons Mfg. Co.,  
S. (Steam Jacket) .....

A

KEYS

CONN.—Chester

Brooks & Sons, M. S. (Flat  
Riveted; Flat Spring) .....

B

CONN.—Deep River

Pratt, Reed & Co. (Piano;  
Organ) .....

AA

CONN.—Hartford

Billings & Spencer Co.  
(Machine) .....

AA

Hartford Machine Screw

Co. (Bicycle) .....

AAAA

Whitney Mfg. Co. (Ma-  
chine) .....

A

CONN.—Ivoryton

Comstock, Cheney & Co.  
(Organ; Piano) .....

AA

CONN.—Plainville

Clark & Son, A. N. (Watch)  
.....

B

ILL.—Chicago

Illinois Malleable Iron Co.  
(Street Washer) .....

AAAA

Piano & Organ Supply Co.,  
125 Racine Av. (Piano) .....

AA

Railway Appliance Co.

(Brakeshoe) .....

A

Whitman & Barnes Mfg. Co.  
(Machine; Rivetd) .....

AAAA

ILL.—Kewanee

Western Tube Co. (Street  
Washer) .....

AAA

ILL.—Sandwich

Sandwich Mfg. Co. (Ma-  
chine) .....

AA

MASS.—Cambridge

Tower, Sylvester (Organ;  
Piano) .....

AA

MASS.—Plymouth

Cobb & Drew (Flat Spring)  
.....

AA

MASS.—Springfield

Bullock Mfg. Co. (Watch)  
.....

A

MASS.—Worcester

Wilson & Smith (Flat  
Spring) .....

E

Wire Goods Co. (Flat  
Spring) .....

A

MICH.—Muskegon

Morton Mfg. Co. (Machine)  
.....

B

N. H.—Lebanon

Kendrick & Davis (Dust  
Proof Watch; Self Adjust-  
ing Watch) .....

A

N. Y.—Auburn

Henry & Allen (Machine) .....

A

Meyer & Co. (Gib Head  
Machine) .....

D

N. Y.—Brooklyn

Williams & Co., J. H.  
(Machine) .....

AA

New York City

Houchin Co., Thos. W. (Gas  
Turning) .....

D

Mitchell-Vance Co. (Gas  
Turning) .....

AA

Olney & Warren, 35 Dey  
(Finished Gib; Plain Head  
Machine) .....

D

Russell & Erwin Mfg. Co.  
(Door) .....

AAAA

Sargent & Co., 151 Leonard  
(Red) .....

AAAA

Shrauch Bros. (Piano) .....

A

Yale & Towne Mfg. Co.  
.....

AAAA

N. Y.—Throopsville

Merr & Co. (Spring; Ma-  
chine) .....

D

OHIO—Akron

Whitman & Barnes Mfg. Co.  
(Spring; Machine) .....

AAAA

OHIO—Canton

Buckeye Mfg. Co. (Machine)  
.....

D

**KEYS (Con.)**

**OHIO—Cleveland**  
Standard Tool Co. (Flat  
Spring; Machine) .....AA  
**OHIO—Dayton**  
Climax Tag Co. (Flat  
Riveted) .....X  
**OHIO—Youngstown**  
Finished Steel Co. ....A  
**PA.—Beaver Falls**  
Standard Gauge Steel Co.  
(Finished Steel Machine)  
A  
**PA.—Chester**  
Keystone Drop Forge Wks.  
(Shafting Machine) ....B  
**PA.—McKees Rocks**  
Kidd Bros. & Burgher Steel  
Wire Co. ....B  
**PA.—Philadelphia**  
Hoopes & Townsend Co.,  
1330 Buttonwood (Ma-  
chine) .....AAA  
**PA.—Reading**  
Reading Hdw. Co. ....AAAA  
**R. I.—Pawtucket**  
Haskell Mfg. Co., W. H.  
(Riveted) .....AA  
Janckes Mfg. Co., E.  
(Spring) .....A  
**R. I.—Valley Falls**  
Hindley Mfg. Co. (Flat  
Spring; Riveted Machine)  
D

**KID**

See Leather

**KILLERS**

**CONN.—Bridgeport**  
Hotchkiss, Edw. S. (Rat) A  
**MASS.—Worcester**  
Bigelow, J. F. (Fly) ....F  
Parker Wire Goods Co.  
(Fly) .....D  
Wire Goods Co. (Fly) ....A  
**MICH.—Fenton**  
Phillips Co., A. J. (Fly) A  
**N. Y.—Buffalo**  
Western Wire Goods Co.  
(Fly) .....D  
**OHIO—Cleveland**  
Osborn Mfg. Co. (Fly) ...B

**KILNS**

See also Dryers

**ALA.—Birmingham**  
Milner & Kettig Co. (Dry)  
AA  
**ILL.—Chicago**  
Aitchison Perforated Metal  
Co. (Malt) .....X  
Allis-Chalmers Co., Home  
Ins. Bldg. (Rotary)AAAA  
Andrews & Johnson Co., 256  
Washn. Boul. (Dry) ...B  
Andrews Co., A. H. (Lum-  
ber Drying) .....AA  
Dorrance, Chas. J. (Brick)  
B  
Garden City Fan Co., 43 S.  
Clinton (Hot Blast Dry)B  
Goetz & Flodin Mfg. Co.  
(Malt) .....A  
Laubenheimer Co., Geo. H.  
(Malt) .....D  
Stier Mfg. Co., Herman  
(Malt) .....D  
Wolf Co., Fred. W., 139  
Rees (Lime; Malt; Ice)  
AAA  
Trenkhorst, Frank (Malt) F  
**IND.—Indianapolis**  
Natl. Dry Kiln Co. (Dry) A  
Standard Dry Kiln Co.  
(Lumber Drying; Brick)A  
**LA.—New Orleans**  
Haubtman & Loeb Co., 217  
Gravier (Lime) .....B  
**MD.—Baltimore**  
Emerson Co., Fidelity Bldg.  
(Dry) .....C  
**MASS.—Boston**  
Sturtevant Co., B. F. (Dry)  
AAA  
**MASS.—Hyde Park**  
Boston Blower Co. (Dry;  
Lumber) .....B  
**MICH.—Detroit**  
Amer. Blower Co. (Dry;  
Lumber; Brick) .....AA

**KILNS (Con.)**

**N. J.—Jersey City**  
Krom Machine Wks., 10  
Essex (Dry) .....X  
**N. Y.—Buffalo**  
Buffalo Forge Co. (Dry)  
AAA  
Squier Mfg. Co., G. L.  
(Bone Coal) .....AAA  
**New York City**  
Bartlett, Hayward & Co.,  
100 Bway. (Lime) ....B  
Deeley & Co. (Bone Black)  
AA  
Howard & Morse, 45 Fulton  
(Dry) .....D  
Koven & Bro., L. O., 50  
Cliff (Dry) .....A  
**OHIO—Cuyahoga**  
New York Blower Co. (Dry)  
A  
**OHIO—Canton**  
Bonnot Co. (Dry; Rotary) A  
**OHIO—Cleveland**  
Cummer & Son Co., F. D.  
(Dry) .....AA  
Dyer & Co., E. H., New  
England Bldg. (Lime)  
AAA  
**OHIO—Youngstown**  
Pollock Co., Wm. B. (Ce-  
ment; Dry; Lime) ....AA  
**PA.—Allentown**  
McDermott Bros. (Rotary)  
E  
Mosser & Son, W. F.  
(Rotary) .....A  
**PA.—Erie**  
Link Machinery Co., E. M.  
(Dry) .....C  
**PA.—Philadelphia**  
Carnell, Geo. (Dry) .....B  
Phila. Textile Mchry. Co.  
(Veneer Drying) ....AA  
**PA.—Pittsburg**  
Amer. Furnace & Mach. Co.  
(Cement) .....D  
Riter-Conley Co. (Lime)  
AAA  
**PA.—South Bethlehem**  
Bethlehem Fdry. & Machine  
Co. (Rotary) .....C  
**PA.—Wilkesbarre**  
Vulcan Iron Wks. (Rotary)  
AAAA  
**PA.—York**  
Broomell Schmidt & Steacy  
Co. (Continuous Lime  
Burning; Dry) .....A  
**WIS.—Milwaukee**  
Bayley & Sons Co., Wm.,  
732 Greenbush (Dry) ...X  
Galland-Henning Pneumatic  
Malt Drum Mfg. Co.  
(Malt) .....A  
Natl. Blower Wks. (Dry) A

**KINET-  
OPHONES**

**New York City**  
Stevens & Co., C. E. ....F

**KIPS**

See also Leather

**MICH.—Holland**  
Cappon & Bertoch Leather  
Co. ....AA  
**N. J.—Newark**  
Kaufherr & Co. ....A  
**New York City**  
Neumann & Co., R. ....A  
U. S. Leather Co. ....AAAA  
**PA.—Allegheny**  
Lampe & Sons, J. C. ....AA  
**WIS.—Milwaukee**  
Gallun & Sons, A. F. ....AAAA  
Pfister & Vogel Leather Co.  
AAAA  
Zohrlaut Leather Co.,  
Herman .....AA

**KITES**

**New York City**  
Horsman Co., E. I. ....C

**KITS**

See also Cooperage

**CAL.—San Francisco**

## KITS (Con.)

California Barrel Co. ....AA  
MICH.—Grand Haven  
Kilbourn & Kilbourn (Fish) D  
N. H.—Keene  
Impervious Package Co.  
(Paint) .....B  
New York City  
Wilkins Bros., 440 Pearl  
(Tool) .....A  
N. Y.—Poughkeepsie  
Poughkeepsie Art Pulp Co.  
(Fishing Tackle) .....F  
OHIO—Middlefield  
Ohio Pail Co. (Paint) ....B  
OHIO—Sandusky  
Kilbourne & Co. ....C  
VA.—Richmond  
Richmond Cedar Works  
(Wooden Pickle).....AAAA

## KNAPSACKS

N. J.—Newark  
Peddle & Co., T. B. ....AA  
New York City  
Boyle & Co., John, 112  
Duane .....AA  
McHugh, John F. ....C  
OHIO—Cincinnati  
Pettibone Bros. Mfg. Co., A

## KNEES

MICH.—Allegan  
Allegan Fdy. & Machine Co.  
(Oscillating Bob) .....H  
N. Y.—Manlius  
Cheney & Son, S. (Iron;  
Bob) .....A  
WIS.—Menominee  
Oscillating Sleigh Co. (Oscil-  
lating Sleigh) .....D  
WIS.—Milwaukee  
Milwaukee Wagon Iron Wks.  
(Sleigh) .....AA

## KNITTERS

See also Machinery

VT.—Bennington  
Tiffany Bros. (Cord) .....A

## KNIVES

See also Silverware; Cutlery.

CAL.—San Francisco  
California Saw Works (Ma-  
chine) .....A  
Simonds Saw Co., 33 Market  
(Machine) .....C  
CONN.—Bridgeport  
Bridgeport Hdw. Mfg. Co.  
(Putty) .....B  
Challenge Cutlery Corpora-  
tion (Farrier) .....A  
Hubbell Harvey (Saw)....C  
Hurwood Mfg. Co. (Oyster;  
Clam) .....C  
Knapp & Cowles Mfg. Co.  
(Mincing; Lawn Border;  
Pruning) .....C  
CONN.—Collinsville  
Collins Co. (Cane).....AAAA  
CONN.—Danielson  
Parkhurst, L. D. (Butcher;  
Slicing; Bread; Shoe;  
Kitchen; Oyster; Paper;  
Oil Cloth; Banana; Cigar;  
Rubber; Cork; Leather;  
Putty, etc.) .....G  
CONN.—Derby  
Derby Razor Co. (Pattern  
Cutting) .....F  
Silver Plate Cutlery Wks.  
(Carving; Plated Table) B  
CONN.—East Haddam  
Boardman & Son, L. (Plated  
Table) .....AA  
CONN.—Essex  
Tiley Pratt Co. (Paper) ..D  
CONN.—Hamden  
Henry Mfg. Co., Jno. T.  
(Pruning) .....E  
CONN.—Hartford  
Billings & Spencer Co. (Com-  
bination; Paper Cutter;  
Leather; Oil Cloth; Cigar;  
Banana; Rubber; Cork;  
Sporting) .....AA  
CONN.—Lakeville  
Holley Mfg. Co. (Budding;

## KNIVES (Con.)

Grafting; Cloth Cutter's;  
Pruning) .....B  
CONN.—Meriden  
Meriden Britannia Co. (Sar-  
dine; Fish; Plated Table)  
AAAA  
Meriden Cutlery Co. (Putty;  
Bread; Palette; Carving;  
Cheese; Fruit; Hunting;  
Kitchen; Lemon; Orange;  
One Armed Men's; Slicer;  
Table; Butchers; Shoe;  
Skinning) .....AA  
Miller Bros. Cutlery Co.  
(Hunting; Pocket) .....A  
Rogers & Bros.; C. (Tinned)  
AAAA  
CONN.—Naubuc  
Williams Bros. Mfg. Co.  
(Bread; Hunting; Kitch-  
en; Table; Butcher; Plate  
Table) .....A  
CONN.—New Britain  
Humason & Beckley Mfg.  
Co. (Hunting) .....A  
Lauders, Frary & Clark  
(Putty; Oyster; Palette;  
Banana; Carving; Bread;  
Cheese; Fish Scaling;  
Fruit; Kitchen; Mincing;  
Sheath; Butcher's; Paint-  
er's; Beet; Cigar; Corn;  
Paper; Oil Cloth; Cork;  
Leather; Tobacco) .AAAA  
CONN.—New Haven  
Henn & Co., A. S. (Mincing)  
F  
Sargent & Co. (Clam; Cigar)  
AAAA  
Schollhorn Co., Wm. (Cigar)  
A  
CONN.—Norwich  
Rogers & Co., C. B. (Planer;  
Tenoning) .....A.AAA  
CONN.—Seymour  
Swan Co., Jas. (Drawing) A  
CONN.—Southington  
Peck-Stow & Wilcox Co.  
(Drawing) .....AAAA  
CONN.—Unionville  
Humphrey, H. W. (Mincing)  
D  
CONN.—Wallingford  
Simpson, Hall, Miller & Co.  
(Fruit; Plated Table) .AAAA  
Wallace Sons Mfg. Co., R.  
(Carving; Fish; Fruit;  
Kitchen; Lemon; Orange;  
Pocket; Table; Plated  
Table) .....AAAA  
CONN.—Waterbury  
Rogers & Bros. (Plated Ta-  
ble) .....AAAA  
Rogers & Hamilton (Fish;  
Plated Table) .....AAAA  
CONN.—Westport  
Bradley's Sons, G. W.  
(Drawing) .....D  
CONN.—Winsted  
Empire Knife Co. (Pocket)  
B  
Winsted Edge Tool Co.  
(Drawing; Corn) .....B  
Winsted Mfg. Co. (Hay;  
Corn Cutter) .....AAA  
GA.—Atlanta  
Southern Saw Wks. (Ma-  
chine) .....B  
ILL.—Chicago  
Amer. Cutlery Co., 193 Ma-  
ther (Putty; Carving;  
Butcher's; Slicing; Paper  
Hanger's; Tobacco; Cigar;  
Cotton Sampling; Fish;  
Table; Bread; Cake;  
Fruit; Cheese; Shoe;  
Crumb; Paper; Oil Cloth;  
Banana; Rubber; Cork;  
Leather, etc.) .....AA  
Dunne & Co., Geo. W., 687  
Carroll Av. (Brick)....B  
Latham Machinery Co.  
(Bookbinder's; Paper Cut-  
ter) .....C  
Nicol & Co. (Paper) .....D  
ILL.—Freeport  
Arcade Mfg. Co. (Mincing)  
A  
ILL.—Peoria  
Herschel Mfg. Co.  
(Mower; Reaper) .....A  
ILL.—Rock Island  
Donaldson Bros. (Planer), C

**KNIVES (Con.)****ILL.—Streator**

Iwan Bros. (Both Handles  
Adjustable Hay; Corn Cut-  
ter, also Hedge) .....C

**IND.—Anderson**

Anderson Knife & Bar Co.  
(Machine) .....C

**IND.—Evansville**

Evansville Tool Wks. (Axe  
Handle Hedge; Root) ...A

**IND.—Indianapolis**

Alkins & Co., E. C. (Ma-  
chine; Cane; Hedge; Corn;  
Planer; Striking; Tobacco;  
Veneer; Beet; Saw) AAAA

Barry Saw Co. (Planer) ...C

**IND.—Lawrenceburg**

Bishop & Co., Geo. H.  
(Cane; Corn) .....A

**IOWA—Ft. Madison**

Iowa Farming Tool Co.  
(Corn) .....A

**MAINE—East Wilton**

Clark & Parsons Co. (Corn;  
Sugar Cane) .....B

**MAINE—Hallowell**

North Wayne Tool Co. (Hay;  
Corn Cutter; Bread; Cake;  
Carving; Straw) .....C

**MAINE—Skowhegan**

Nollin Mfg. Co. (Hay; Rag)  
.....E

**MD.—Baltimore**

Toland & Son (Machine) ..C

**MASS.—Attleboro**

Blake Co., Jas. E. (Silver;  
Cuticle) .....A

**MASS.—Boston**

Amer. Tool & Machine Co.,  
109 Beach (Belt) ....AA

Dame, Stoddard & Co.  
(Butcher; Slicing; Bread;  
Shoe; Cigar; Oyster; Pa-  
per; Oil Cloth; Banana;  
Rubber; Cork; Cloth;  
Leather, etc.) .....A

Stanley Mfg. Co. (Shoe) ..B

Stubbs, Simeon K., 32 Kem-  
ble (Machine) .....D

Wilkinson & Co., A. J.  
(Drawing) .....B

Woods Machine Co., S. A.  
(Matcher) .....AA

**MASS.—Brocton**

Snell & Atherton (Machine;  
Shoe) .....C

Tuck Mfg. Co. (Oil Cloth;  
Oyster; Banana; Butchers;  
Cigar; Shoe; Paper Hang-  
ers; Pruning; Slicing;  
Bread; Leather; Tobacco)  
.....E

**MASS.—Fitchburg**

Simonds Mfg. Co. (Drawing;  
Machine; Planer; Rag  
Cutter; Tobacco; Paper;  
Matcher; Leather; Angle;  
Cane; Rotary Slitting;  
Saw; Wood Pulp) ....AAA

**MASS.—Greenfield**

Nichols Bros. (Boning;  
Bread; Carving; Cheese;  
Fish; Hunting; Slicer;  
Butter; Fruit; Splitting;  
Steak; Butchers'; Skin-  
ning; Sticking) .....C

**MASS.—Holyoke**

Holyoke Bar Co. (Machine;  
Lumber Machine) .....E

**MASS.—Lawrence**

Horne & Sons Co., J. H.  
(Planing Machine; Paper  
Machine) .....A

**MASS.—Lowell**

Lovejoy & Son, D., 1 Cushing  
(Machine; Leather Split-  
ting; Guillotine) .....B

**MASS.—Millbury**

Buck, Chas. (Drawing) ...B

**MASS.—New Bedford**

Pairpoint Corp'n. (Plated  
Table) .....AA

**MASS.—Newburyport**

Towle Mfg. Co. (Plated  
Table) .....AA

**MASS.—Northampton**

Northampton Cutlery Co.  
(Paper Hanger's; Putty;  
Scraping; Bread; Fruit;  
Hunting; Kitchen; Slicer;  
Table; Butcher's; Skin-  
ning; Sticking; Plated;  
Table; Tobacco) .....A

**KNIVES (Con.)****MASS.—North Easton**

New England Specialty Co.  
(Shoe; Butcher's; Slicing;  
Bread; Kitchen; Mincing)  
.....F

**MASS.—Rockdale**

Haukey & Co., A. (Machine;  
Bookbinder's; Rag Cutter;  
Lumber Machine; Planer)  
.....A

**MASS.—Sharon**

Lothrop Mfg. Co., H. A.  
(Bread; Cheese; Fish;  
Kitchen; Mincing; Butch-  
ers'; Cigar; Shoe) .....X

**MASS.—Shelburne Falls**

Lamson & Goodnow Mfg. Co.  
(Butcher's; Painter's;  
Carving; Slicing; Bread;  
Shoe; Butter; Corn; Fish;  
Fruit; Hacking; Hunting;  
Kitchen; Mixing; Palette;  
Paper; Oil Cloth; Banana;  
Cigar; Rubber; Cork;  
Leather; Pie; Printer's  
Ink; Putty) .....A

**MASS.—Southbridge**

Harrington Cutlery Co.  
(Cloth Cutters; Feather  
Curler's; Butcher's;  
Cigar) .....C

**MASS.—Springfield**

Bullock Mfg. Co. (Printer's)  
.....A

**MASS.—Turners Falls**

Russell Cutlery Co., Jno.  
(Clam; Druggist's; Oys-  
ter; Palette; Cigar; Shoe;  
Sticking; Plated Table;  
Boning; Bread; Carving;  
Cheese; Fish; Fish Scal-  
ing; Fruit; Hunting;  
Kitchen; Lemon; Orange;  
One Armed Men's; Pocket;  
Sheath; Slicer; Steak; Ta-  
ble) .....AA

**MASS.—Worcester**

Coes, Loring & Co. (of Every  
Description) .....A

Hardy Co., L. (Machine), C

**MICH.—Detroit**

Detroit Edge Tool Wks. (Ma-  
chine; Tanner's Veneer  
Cutting) .....D

**MICH.—Grand Rapids**

Amer. Machinery Co. (Ma-  
chine) .....B

Fox Machine Co., 127 N.  
Front (Machine) .....A

Munson Co. (Machine) ....E

**MICH.—Jackson**

Withington & Cooley Mfg.  
Co. (Hay; Straw) ....AA

**MICH.—Kalamazoo**

Harrow Spring Co. (Lawn  
Mower) .....B

**MICH.—Port Huron**

Port Huron Saw Co., Ltd.  
(Machine) .....C

**MO.—St. Louis**

Curtis & Co. Mfg. Co., 2201  
Wash. Av. (Machine) ..A

**N. H.—Antrim**

Goodell Co. (Putty; Boning;  
Bread; Hunting; Kitchen;  
Table; Carving; Cheese;  
Butcher's; Cigar; Shoe;  
Skinning; Sticking; As-  
paragus; Trimming; Corn;  
Fruit; Sportsmen's; To-  
mato) .....A

**N. H.—Bennington**

Kimball Co., C. J. (Draw;  
Fish; Tanner's; Butcher's;  
Shoe; Slicing; Bread; Oys-  
ter; Paper; Oil Cloth; Ba-  
nana; Cigar; Rubber;  
Cloth; Leather; Putty), D

**N. H.—Dover**

Flagg & Son, Joshua G.  
Leather Splitting, Ma-  
chine) .....F

**N. H.—Nashua**

Grover File Co., Jno. B.  
(Machine) .....F

**N. J.—Grenloch**

Bateman Mfg. Co. (Hay;  
Corn Cutter; Asparagus) A

**N. J.—Newark**

Banister & Co., A. F.  
(Clam; Corn) .....A

Heller Bros. Co. (Farrier)  
.....AA



**KNIVES (Con.)**

Lowentraut Mfg. Co., P. . . X  
 Natl. Saw Co. (Corn Cutter;  
 Machine; Cane; Lumber  
 Machine; Planer; Mincing;  
 Saw) . . . . . B  
 Osborne & Co., C. S. (Oil  
 Cloth; Oyster; Cigar;  
 Pruning; Harness Ma-  
 ker's) . . . . . B  
 Wiener & Co. (Cigar) . . . . O  
 Williamson Wire Novelty  
 Co., C. T. (Champagne), B  
 Wiss & Sons Co., J. (Cigar) . . . A

**N. J.—Riegelsville**

Taylor, Stiles & Co. (Bar-  
 ber's; Rattan; Moulding;  
 Paper Clipper; Paper Cut-  
 ter; Rag Cutter; Stop Out-  
 ter; Lumber Machine;  
 Panel Raising; Tongue;  
 Grooving; Matcher; Plan-  
 er; Shingle; Tenoning; Ve-  
 neer) . . . . . A

**N. J.—Smithville**

Smith Machine Co., H. B.  
 (Planer) . . . . . A

**N. Y.—Auburn**

Henry & Allen (Bean; Corn;  
 Harvester; Ensilage; Hay;  
 Corn Cutter; Machine;  
 Mower; Reaper; Shredder) . . . A

Meyer & Co. (Band Cutter;  
 Self Feeder) . . . . . D

Wadsworth & Son, David  
 (Corn; Hay) . . . . . A

**N. Y.—Brooklyn**

Krajewski, Pesant Co.  
 (Cane) . . . . . AA  
 Oldham & Sons, Joshua, 114  
 26th (Machine; Tobacco) . . . D

Wesel Mfg. Co. (Printer's) . . . X

**N. Y.—Buffalo**

Frank Machy. Co. (Machine;  
 Planer) . . . . . O

Niagara Machine & Tool  
 Wks. (Rotary; Slitting) . . . O

Shepard & Co., Sidney  
 (Mincing) . . . . . AAAA

White, L. & I. J. (Machine;  
 Draw; Paper; Planer;  
 Shingle; Tenoning; To-  
 bacco; Veneer) . . . . . A

N. Y.—Cattaraugus

Dakes & Burger (Curd) . . . B

N. Y.—East Syracuse

Benedict Mfg. Co., M. S.  
 (Fruit; Table; Corn; Pa-  
 per) . . . . . AA

N. Y.—Elmira

Cronk & Carrier Mfg. Co.  
 (Mincing) . . . . . B

N. Y.—Fulton

Foster Bros. & Chatillon Co.  
 (Machine; Machine Wood  
 Working; Paper; Tanner's  
 Skiving) . . . . . A

Taylor Bros. Co. (Machine) . . . C

N. Y.—Granville

Granville Mfg. Co. (Corn) . . B

Woods Specialty Co. (Corn) . . B

N. Y.—Lancaster

Lancaster Machine & Knife  
 Wks. (Bark) . . . . . B

N. Y.—Little Falls

Burrell & Co., D. H. (Curd;  
 Cheese) . . . . . AAAA

N. Y.—Lockport

Trevor Mfg. Co. (Shingle) . . B

New York City

American Axe & Tool Co.  
 (Corn; Hay; Straw) . . . . . AAAA

Amer. Wood Working Mach.  
 Co. (Matcher; Planer) . . . . . AAAA

Abercrombie & Fitch, 314  
 Bway. (Fish) . . . . . O

Chatillon & Sons, John, 85  
 Cliff (Carving; Butcher;  
 Slicing; Bread; Shoe;  
 Kitchen; Machine; Oyster) . . . A

Eagle Pencil Co. (Magic) . . . . . AAA

Graham Co., Jno. H. (Minc-  
 ing) . . . . . AA

Hoe & Co., R. (Printer's) . . . . . AAAA

**KNIVES (Con.)**

Jennings & Co., C. E., 101  
 Reade (Draw) . . . . . B

Keller & Co., Chas., 192  
 Bway. (Gold Handle) . . . . . AA

Krieg & Co., J. K. (Shoe), B

Loyd Co., Jno., 558 Water  
 (Machine; Splitting;  
 Leather; Veneer) . . . . . B

McCoy & Co., Jos. F., 26  
 Warren (Farriers) . . . . . B

Moss & Graham, 224 Centre  
 (Machine) . . . . . F

Reilley Bros. (Printer's  
 Paper Hanger's) . . . . . B

Russell & Co., J., 37 Reade  
 (Paint; Cannery's Paring) . . . . . AA

Smith & Hemenway Co., 236  
 Bway. (Butcher's; Slic-  
 ing; Bread; Shoe; Elec-  
 trician's; Hunting; Kitch-  
 en; Paper; Oil Cloth; Ba-  
 nana; Cigar; Rubber;  
 Cork; Leather; Putty;  
 Sportsmen's) . . . . . D

Thomson, W. S., 418 W.  
 27th (Machine) . . . . . F

Tommins Co., F. J. E.  
 (Butcher's) . . . . . X

Tower & Lyon Co., 95  
 Chambers (Drawing) . . . . . B

Wiebusch & Hilger, 9 Mur-  
 ray (Farrier's; Hay;  
 Straw; Press Button) . . . . . A

N. Y.—Rochester

Gregg & Son, M. (Machine) . . . E

Mack & Co., 18 Browns Race  
 (Machine) . . . . . AAAA

Robeson Cutlery Co.  
 (Pocket) . . . . . A

N. Y.—Troy

Kilbourne Mfg. Co. (Minc-  
 ing) . . . . . O

Palmer Hdw. Mfg. Co.  
 (Mincing) . . . . . D

N. Y.—Walden

Walden Knife Co. (Self  
 Opening Pocket) . . . . . A

OHIO—Akron

Akron Machine Co. (Shred-  
 der) . . . . . X

Whitman & Barnes Mfg. Co.  
 (Mower; Reaper; Farm  
 Implement) . . . . . AAAA

OHIO—Canton

Gibbs Mfg. Co. (Mincing), A

Ney Mfg. Co. (Sickle; Edge;  
 Hay; Corn Cutter) . . . . . B

OHIO—Cincinnati

Bishop Co., Geo. H. (Beet;  
 Cane; Hedge; Mincing  
 Saw; Corn) . . . . . A

Fay, J. A. & Egan Co.  
 (Matcher; Planer; Tenon-  
 ing) . . . . . AAAA

Ohio Knife Co. (Machine), B

Rowe & Trummel, 123 W. 2d  
 (Machine) . . . . . E

OHIO—Cleveland

Amer. Fork & Hoe Co.  
 (Beet; Corn) . . . . . AAAA

Cleveland Machine Knife  
 Co., 5 West (Machine) . . . . . B

Worden Tool Co., 66 Colum-  
 bus (Machine) . . . . . O

OHIO—Clyde

Clyde Cutlery Co. (Bread;  
 Broom; Kitchen; Corn;  
 Butcher's; Hedge) . . . . . O

OHIO—Columbus

Ohio Tool Co. (Drawing;  
 Shingle; Wagon Maker's)  
 . . . . . AA

OHIO—Dayton

Simmonds & Son, A. A. (Ma-  
 chine; Planer; Bench;  
 Bookbinder's; Rag; Lum-  
 ber; Machine; Matcher;  
 Shingle; Spoke; Tenoning;  
 Veneer) . . . . . B

OHIO—Fremont

Clauss Shear Co. . . . . AAA

OHIO—Hamilton

Meyers Mfg. Co., Fred. J.  
 (Mincing) . . . . . B

OHIO—Sandusky

Sandusky Tool Co. (Machine;  
 Planer) . . . . . A

OHIO—Springfield

Ross Co., E. W. (Cane) . . . A

Webster & Perks Tool Co.  
 (Paper Hanger's) . . . . . O

**KNIVES (Con.)**

**OHIO**—Toledo  
Toledo Saw Co. (Machine), C  
**PA.**—Atglen  
Chalfant Hdw. Mfg. Co.  
(Fish Scaling) .....X  
**PA.**—Beaver Falls  
Emerson, Smith & Co. (Ma-  
chine; Lumber Machine) A  
**PA.**—Philadelphia  
Diston & Sons, Henry (Ma-  
chine; Cork; Corn; Beet;  
Cane; Drawing; Hedge;  
Paper; Oil Cloth; Cigar;  
Rubber; Leather; Saw)  
AAAA  
Enterprise Mfg. Co., of  
Phila. (Self Gauging;  
Cheese; Tobacco) .....AAAA  
Hessenbruch H. (Pocket)...A  
McNiece & Son, Wm., 515  
Cherry (Machine) .....O  
Natl. Cutlery Co. (Serrated)  
O  
Nittinger, Aug., 826 N. 4th  
(Butcher's) .....A  
Phila. Novelty Mfg. Co.  
(Mincing) .....D  
Phillips & Sons Co., F. R.  
(Machine) .....D  
Stortz & Son, Jno., 210 Vine  
(Chipper; Machine; Paper  
Hanger's; Putty; Oyster;  
Butcher's; Paper) .....E  
**PA.**—Pittsburg  
Amer. Axe & Tool Co. (Hay;  
Rag; Planer; Tobacco)  
AAAA  
Crucible Steel Co., of Amer.  
(Solid Steel Shear) AAAA  
Heppenstall Forge & Knife  
Co. (Machine) .....B  
Lippert, E. T. (Paper)....X  
Trettheway & Co., Samuel  
(Solid Steel Shear; Circu-  
lar; Slitting; Wood Pulp)  
F  
**PA.**—Titusville  
Schott & Morgan Cutlery Co.  
(Sportsmen's) .....B  
**PA.**—Wilkesbarre  
Wyoming Cutlery Co.  
(Butcher's) .....AA  
**PA.**—Williamsport  
Foucart, J. E. (Machine;  
Moulding Machine) .....F  
**PA.**—Wrightsville  
Wrightsville Hdw. Co. (Fish  
Scaling) .....B  
**R. I.**—Providence  
Bens, Wm. (Silver; Cuticle)  
O  
**TENN.**—Chattanooga  
Chattanooga Saw Wks. (Ma-  
chine) .....D  
**VT.**—Bellows Falls  
Derby & Ball (Corn).....B  
**VT.**—Wallingford  
Wallingford Mfg. Co. (Hay;  
Corn Cutter) .....X  
**WIS.**—Beloit  
Beloit Iron Works (Machine)  
A  
Dowd, R. J. (Machine)....C  
**WIS.**—Janesville  
Kent, A. C. (Corn) .....C  
**WIS.**—Manitowoc  
Willott & Sons, J. (Machine)  
E

**KNOBBS**

See also Hardware; Car-  
riage.

**CONN.**—Collinsville  
Hartigan, Wm. R. (Base) H  
**CONN.**—Meriden  
Foster, Merriam & Co.  
(Desk; Drawer) .....AA  
**CONN.**—Mt. Carmel  
Woodruff & Sons Co., W.  
W. (Carriage) .....A  
**CONN.**—New Britain  
Corbin P. & F. (Desk; Door)  
AAAA  
Judd, Oliver S. (Picture), B  
**CONN.**—New Haven  
Cowles & Co., C. (Carriage)  
A  
Hoggson & Pettis Mfg.  
(Organ Stop) .....A  
Mallory, Wheeler Co. (Door)  
AA  
Sargent & Co. (Car Door;  
Screwless; Base; Floor;

**KNOBBS (Con.)**

Carriage; Draw; Shutter;  
Picture) .....AAAA  
**CONN.**—Norwich  
Ossawan Mills Co. (Picture)  
B  
**CONN.**—Stamford  
Yale & Towne Mfg. Co.  
(Desk; Door; Drawer; Pic-  
ture; Shutter) .....AAAA  
**CONN.**—Torrington  
Union Hdw. Co. (Wooden;  
Base; Floor) .....AA  
**CONN.**—Waterbury  
American Ring Co. (Desk);  
Cabinet) .....A  
Plume & Atwood Mfg. Co.  
(Desk) .....AAA  
**CONN.**—Winsted  
Richards Hdw. Co., T. C.  
(Porcelain) .....A  
**ILL.**—Freeport  
Stover Mfg. Co. (Door;  
Shutter) .....AA  
**ILL.**—Faxon  
Paxton Hdw. Mfg. Co. (Tea;  
Coffee Pot) .....X  
**ILL.**—Rockford  
Clark Co., J. L. (Enameled)  
D  
**ILL.**—Waukegan  
Alden & Sons, R. (Organ  
Stop) .....F  
**KY.**—Newport  
Higgins Mfg. Co. (Carriage)  
A  
**MASS.**—Worcester  
Parker & Co., Jno. L.  
(Stove) .....B  
**MICH.**—Grand Rapids  
Grand Rapids Brass Co.  
(Door; Drawers; Picture)  
A  
Hardware Supply Co.  
(Drawer; Shutter).....X  
**N. J.**—Newark  
Sommer's Son John  
(Wooden) .....A  
**N. J.**—Trenton  
Artistic Porcelain Co. (Por-  
celain) .....X  
Greenwood Pottery Co. (Por-  
celain) .....A  
Morris & Wilmore (Por-  
celain) .....X  
Standard China Works  
(Porcelain) .....D  
**N. Y.**—Albany  
Troy Nickel Wks. (Stove) O  
**N. Y.**—Binghamton  
Crandall, Stone & Co. (Car-  
riage) .....A  
New York City  
Bardsley, Jos., 147 Baxter  
(Base; Floor; Door;  
Drawer; Shutter).....B  
Estes & Sons, E. B. (Door)  
AA  
Gutta Percha & Rubber Mfg.  
Co. (Key) .....AAAA  
Judd & Co., H. L. (Drawer;  
Shutter; Picture) .....AA  
Metal Stamping Co. (Door;  
Shutter; Carriage) .....A  
**N. Y.** Nickel Plating & Mfg.  
Co. (Stove) .....D  
Peck, Stow & Wilcox Co.  
(Carriage; Door; Drawer;  
Shutter) .....AAAA  
Russell & Erwin Mfg. Co.  
(Car Door; Screwless;  
Drawer; Shutter) .....AAAA  
**N. Y.**—Yonkers  
India Rubber & Gutta Per-  
cha Insulating Co. (Key) B  
**OHIO**—Akron  
Baker, McMillen Co. (Enam-  
eled; Picture; Wood, for  
Covers) .....B  
Goodrich Co., B. F. (Key)  
AAAA  
**OHIO**—Cincinnati  
Monarch Carriage Goods Co.  
(Carriage) .....B  
**OHIO**—Cleveland  
Taylor & Boggis Fdy. Co.  
(Door) .....AA  
**OHIO**—East Liverpool  
Brunt Porcelain Wks., G. F.  
(Porcelain) .....B  
Thomas & Sons Co., R.  
(Door; Porcelain) .....A  
**OHIO**—Piqua  
Piqua Handle & Mfg. Co.  
(Closet; Wooden; Door) A

**KNOBS (Con.)**  
**PA.—Philadelphia**  
Hall & Carpenter, 518 Race  
(Cabinet) .....AA  
**PA.—Reading**  
Reading Hdw. Co. (Door;  
Drawer; Shutter) ..AAAA  
**R. I.—Providence**  
New England Butt Co.  
(Door) .....AA

## KNOCKERS

**CONN.—Branford**  
New York Lock Co. (Door)  
X  
**CONN.—New Haven**  
Sargent & Co. (Door) AAAA  
**NEW York City**  
Jackson Co., Wm. H., 29  
E. 17th (Colonial Door)  
A  
Janusch, F.G., 752 E. 134th  
(Door) .....C  
Russell & Erwin Mfg. Co.,  
43 Chambers (Door)  
AAAA  
Sargent & Co., 151 Leonard  
(Door) .....AAAA  
**PA.—Reading**  
Reading Hdw. Co. (Door)  
AAAA

## KNOTS

**PA.—Philadelphia**  
Horstmann Co., Wm. H.  
(Regalia; Uniform also  
Shoulder) .....AAAA

## KNUCKLES

See also Joints

**ILL.—Chicago**  
Nicol & Co. (Brass) .....D  
Railway Appliances Co.,  
Old Colony Bldg (Steel)  
A  
**ILL.—Sterling**  
Novelty Iron Wks. (Pump  
Rod) .....E  
**IND.—Indianapolis**  
Insert Knuckle Co. (Steel  
Insert) .....D  
**N. J.—High Bridge**  
Taylor Iron & Steel Co.  
(Steel) .....AAAA  
**New York City**  
Gould Coupler Co., 20 W.  
34th (Steel) .....AAAA  
**PA.—Chester**  
Chester Steel Castings Co.  
(Steel & Car Coupler)  
AAAA

## KNURLS

**N. J.—Elizabeth**  
Braunsdorf-Mueller Co. ...D  
**N. Y.—Brooklyn**  
Crowell, Gilmer, 294 Gra-  
ham .....E

## KRUSHITE

**VT.—Butland**  
Fremier, J. H., Cleveland  
Av. (for Sawing Stone)  
D

## LABELS

**CAL.—San Francisco**  
Crocker Co., H. S., 215  
Bush (Paper) .....AA  
Galloway Lithographing Co.,  
410 Sansome (Paper) ...D  
Mutual Label & Litho Co.,  
23 Main (Paper) .....AAA  
Pacific Lithographic Co.,  
615 Sansome (Paper) ...D  
Roesch Co., Louis, 321 San-  
some (Paper) .....C  
**COLO.—Denver**  
Union Photo Engraving Co.,  
523 Market (Paper) ....D  
**CONN.—Bridgeport**  
Schwerdle Stamp Co.,  
(Brass) .....F  
**CONN.—Waterbury**  
Steele & Johnson Mfg. Co.  
(Brass) .....A  
**ILL.—Chicago**  
American Label Co., 34  
Wabash Av. (Paper) ...A  
Crowe Metal Mfg. Co., 71

**LABELS (Con.)**  
W. Jack Boul. (Brass) ..E  
Glaser & Co., B. Z., 156  
Market (Paper) .....C  
Merchants Publishing Co.,  
33 Clark (Paper) .....B  
Randolph Box & Label Co.,  
35 So. Clark (Paper) ...B  
Redlich Mfg. Co., 2 Oak  
(Pickles; Preserves) ...B  
Riverside Ptg. Co., Schiller  
Bldg. (Paper) .....A  
**IND.—South Bend**  
Pershing & Co. (Gummed) ..D  
**MD.—Baltimore**  
American Label Co.  
(Canners) .....A  
Bartgis & Bros., O. C., 206  
Water (Canners') .....A  
Maryland Color Ptg. Co.,  
Holliday & Hillen (Can-  
ners) .....D  
Sallsbury Mfg. Co., 5 S.  
Liberty (Paper) .....A  
Simpson & Doeller Co., Mil-  
ton Av. & Lanvale (Can-  
ners) .....C  
**MASS.—Boston**  
American Label Mfg. Co.,  
120 Milk (Paper) .....A  
Boston & Lockport Block  
Co. (Plant; Tree) .....A  
Dennison Mfg. Co. (Bottle;  
Pasteboard) .....AAAA  
Forbes Litho Mfg. Co., 185  
Summer (Paper) .....AA  
**MICH.—Detroit**  
Calvert Litho Co. (Canners)  
B

**MICH.—Ypsilanti**  
Scarf Tag, Label & Box Co.  
(Paper) .....B

**MINN.—St. Paul**  
Collins Co., H. L. (Can-  
ners') .....C

**MO.—St. Louis**  
Central Label Co., 218 Wal-  
nut (Paper) .....C  
Igelstroem Sign & Label  
Co., Jno., 19 S. B'way  
(Paper) .....D  
St. Louis Label Works, 306  
Morgan (Paper) .....C  
Woodward & Tiernan Ptg.  
Co., 309 No. 3rd (Paper)  
AAA

**N. J.—Bloomfield**  
National Label Press  
(Paper) .....B

**N. J.—Pompton Lakes**  
German Artistic Weaving  
Co. (Woven Silk) .....B

**N. Y.—Binghamton**  
Binghamton Litho. Mfg.  
Co. (Paper) .....D

**N. Y.—Brooklyn**  
Brass Goods Mfg. Co., 92  
3d (Aluminum) .....B

Schwencke Lithographic  
Co., O. L. (Liquor Bottle)  
A

**N. Y.—Buffalo**  
Buffalo Woven Label Works  
D

Burt, F. W., Seneca & Ham-  
burg (Paper) .....D  
Courier Co., 197 Main  
(Paper) .....AA

Dunston, G. H., West Sen-  
eca & Terrace (Canners')  
A

Fox & Fox, 127 Erie  
(Paper) .....D

**N. Y.—Geneva.**  
Geneva Woven Label Works  
(Silk) .....C

**New York City**  
American Label Mfg. Co.,  
260 W. B'way (Paper) ..B  
American Litho. Co., 4th  
Av. & 19th (Paper) ..AAAA

American Silk Label Mfg.  
Co. (Silk) .....B  
Hagerty Bros. & Co.  
(Glass) .....A

Keller Printing Co., 722  
B'way (Bakers') .....C  
Manhattan Tip Label Co.,  
713 Broadway (Paper) ..D

Marris & Co., Jno. M.,  
219 Fulton (Gummed) ..B  
Ness, Geo. M., Jr., 61 Ful-  
ton (Brass) .....H

Nevins-Church Press, 141

**LABELS (Con.)**

B'way (Paper).....A  
 New York Woven Label  
 Mfg. Co.....D  
 Price Bros. & Co., 65 Duane  
 (Paper).....C  
 Sperlings' Sons, E. M., 713  
 B'way (Paper; Woven  
 Silk).....D  
 Stafford Co., N. (Brass).....F  
 Tablet & Ticket Co., 381  
 B'way (Gummed).....B  
 Wagner & Co., L. C., 43  
 E. 20th (Paper).....B  
 Wicke Ribbon Co. (Cigar  
 Box).....A  
 Wittman Bros. (Bottle;  
 Cigar Box).....D  
**N. Y.—Rochester**  
 Karle Lithographic Co.  
 (Canners').....A  
 Rochester Folding Box Co.  
 (Paper).....B  
 Stecher Litho. Co.  
 (Canners').....AA  
**OHIO—Cincinnati**  
 Eagle Litho. Co (Paper).....D  
 Henderson Litho. Co.  
 (Liquor; Paper).....B  
 United States Ptg. Co.  
 (Paper).....AAAA  
**OHIO—Cleveland**  
 K. D. Box & Label Co., 84  
 Sterling Av. (Paper).....B  
**OHIO—Salem**  
 Harris & Co. (Drug; Gum-  
 med).....D  
 Walton, Thos. J.....E  
**PA.—Beaver Falls**  
 Ingram-Richardson Mfg. Co.  
 (Tree; Plant).....D  
**PA.—Bradford**  
 Mc Cord Patent Label Co.,  
 N. W. (Drug).....X  
**PA.—Philadelphia**  
 American Label Mfg. Co.  
 Bourse Bldg. (Paper).....A  
 Beck Paper Co., Chas.....B  
 Fenton Label Co. Gummed)  
 F  
 Gillams' Sons' Co. (Drug).....C  
 Hofstetter Bros.....C  
 Ketterlinus Litho. Mfg. Co.  
 (Paper).....AA  
 Keystone Silk Weaving Co.  
 (Silk).....D  
 National Decalcomania Co.  
 F  
 Quaker City Label Works  
 (Jno. Reilly), Powers'  
 La. & S. 72d (Paper).....B  
 Whittall, Tatum & Co.  
 (Glass).....AAAA  
**PA.—Pittsburg**  
 Fuller, Wm. H., 3117 Penn  
 Av. (Paper).....D  
**R. I.—Pawtucket**  
 Salisbury Mfg. Co.....A  
 Sutcliffe & Co., Adam  
 (Paper).....A  
**R. I.—Providence**  
 Talcott, F. (Paper).....B  
**VA.—Glen Allen**  
 Coussons, May & Co. (Drug)  
 B  
**WASH.—Seattle**  
 Tucker-Hanford Co., 229  
 Jackson (Salmon).....C

**LACERS**

**N. J.—Paterson**  
 Boyle & Sons, Jno. (Auto-  
 matic Lock; Shoe Stitch)  
 A

**LACES**

See also Lacing

**CONN.—Bridgeport**  
 Bridgeport Coach Lace Co.  
 (Coach).....C  
**CONN.—Ansonia**  
 Ansonia O. & C. Co. (Cot-  
 ton Shoe; Corsets).....AA  
**ILL.—Chicago**  
 Chicago Porpoise Lace Co.  
 (Leather Shoe).....X  
 Nelson Porpoise Lace Co.  
 (Leather Shoe).....X  
**ILL.—Zion City**  
 Zion Lace Industries (Point;

**LACES (Con.)**

Normandy; Nottingham)  
 AAA  
**MASS.—Boston**  
 Boston Excelsior Co., 26  
 Canal (Bed).....A  
 Jenkins Mfg. Co. (Corset;  
 Shoe).....B  
 Miller, Geo. A., (Shoe).....C  
**MASS.—East Braintree**  
 Jenkins Mfg. Co. (Cotton  
 Corset; Shoe).....B  
**MASS.—Easthampton**  
 Colton, Geo. S. (Corset)....C  
**MASS.—Fall River**  
 Heywood Narrow Fabric Co.  
 D  
**MASS.—Springfield**  
 Hutchins Narrow Fabric  
 Co. (Bed).....C  
**MASS.—Worcester**  
 Witter & Co., H. M. (Bed)  
 B  
**N. J.—Camden**  
 Loeb & Schoenfeld Co.  
 (Dress; Curtain, etc.)  
 AAAA  
**N. J.—Jersey City**  
 Hall, H. S. (Silk Dress)....D  
**N. J.—Paterson**  
 Gregory, Wm. (Silk Corset;  
 Shoe).....F  
**N. Y.—Brooklyn**  
 Barthels Mfg. Co. (Shoe;  
 Corset).....A  
 Jennings' Lace W'ks.....AAAA  
 New York City  
 Dusenbury, Louis, 398 B'way  
 (Carriage).....A  
 Fine Woolen Co., 339 B'way  
 B'way (Carriage).....C  
 Locke & Altherr (Oom).....B  
 Siegman & Well, 110 Greene  
 (Church).....A  
 Stewart & Sperry, 438  
 Broome (Baby Carriage)  
 B  
 Schless, Theodore.....C  
**N. Y.—Rochester**  
 Rochester Textile Wks.  
 (Dress Silk).....E  
 Shaefer & Klein (Coach).....C  
 Schlegel Mfg. Co. (Coach)  
 B  
 Union Textile Mfg. Co.  
 (Coach).....B  
 Vogt Mfg. & Coach Lace  
 Co. (Coach).....A  
**N. Y.—Unadilla**  
 Tie Co. (Corset; Shoe)....D  
**PA.—Nazareth**  
 Schneebeli & Co., G. A.  
 (Edgings for Ribbed Un-  
 derwear).....C  
**PA.—Philadelphia**  
 Pyram, F. A. (for Under-  
 wear).....D  
 Friedberger Mfg. Co. (Silk;  
 Cotton; Worsted).....A  
 Horstmann Co., Wm. H.  
 (Coach).....AAAA  
 Sibson & Stern (Trimming)  
 A  
**PA.—Reading**  
 Nat. Shoe & Corset Lace Co.  
 (Silk Shoe; Corset)....X  
**PA.—Scranton**  
 Scranton Lace Curtain Co.  
 A  
**R. I.—Pawtucket**  
 Amer. Textile Co.....B  
 Kenyon Mfg. Co., Jno. J.  
 (Shoe).....B  
**R. I.—Providence**  
 Amer. Shoe Lace Co. (Shoe)  
 D  
 Elmwood Mills (Shoe)....C  
 Fletcher Mfg. Co. (Boot;  
 Shoe; Corset).....AAA  
 Hope Webbing Co. (Bed)  
 AAA  
 Joslin Mfg. Co. (Shoe;  
 Corset).....B

**LACING**

See also Laces

**CONN.—Hartford**  
 Jewell Belting Co. (Belt;  
 Metallic Tipped) .....AAA  
**CONN.—Norwich**  
 Norwich Leather Belt Mfg.

**LACING (Con.)**

Co. (Belt Leather).....D  
 Ossawaun Mills Co. (Bicycle Guard).....B  
**CONN.—Unionville**  
 Upson Nut Co. (Belt, Metallic).....AAA  
**CONN.—Waterbury**  
 Bristol Co. (Belt, Steel)...D  
**ILL.—Chicago**  
 Allen Mfg. Co., W. D., 151 Lake (Belt, McCauley Wire).....B  
 Chicago Rawhide Mfg. Co., 75 E. Ohio (Belt, Rawhide).....A  
 Curtis & Co. Mfg. Co., 42 S. Canal (Belt, Wire)...C  
 Hercules Mfg. Co., 69 Dearborn (Belt).....D  
**MASS.—Boston**  
 Bay State Belting Co., 119 Franklin (Belt, Leather) A

Whitcher & Co. (Shoe)...A  
**MASS.—Easthampton**  
 Colton, Geo. S. (Corset)...A  
 Dibble & Warner (Shoe)...B  
**MASS.—Salem**  
 Kelton & Bruce Mfg. Co. (Belt, Rawhide).....C  
**MASS.—South Attleboro**  
 Coupe & Co., Wm. (Rawhide).....X  
**MASS.—Worcester**  
 Graton & Knight Mfg. Co. (Belt).....AAA  
**MICH.—Grand Rapids**  
 Hayden & Co., J. M. (Belt, Wire).....D  
**MO.—St. Louis**  
 Hartman Hide & Leather Co. (Belt).....B  
 Missouri Belting Co. (Rawhide).....C  
 Shultz Belting Co., 402 Barton (Belt, Leather)...AA  
**N. H.—Concord**  
 Page Belting Co. (Belt, Rawhide).....AA

*Crown Lacing—genuine Raw Hide Lacing—guaranteed for quality and measurement. Will stand warm, moist climate and far more enduring than the ordinary Lacing sold on the market. The ordinary white lacing almost always seen, although called a rawhide, is not a genuine rawhide.*

*Hercules lacing—this is the best of the ordinary white so-called raw-hides and is very carefully selected. It is surpassed only by the Crown process.*

*Crown Tanned Lacing—a choice tanned lacing.*

**N. H.—Dover**  
 Williams & Sons, I. B. (Belt).....AA  
**N. J.—Newark**  
 American Porpoise Lace Co. (Shoe).....B  
**N. J.—Paterson**  
 Dempwolf, Charles (Belt) X  
**N. Y.—Brooklyn**  
 Moll Mfg. Co., Aug. (Silk) B  
**New York City**  
 New York Leather Belting Company, 8 Ferry (Belt Leather; Rawhide)...A  
 Schieren & Co., Chas. A., 15 Ferry (Belt; Tipped) AAAA  
 Southwick Co., Geo. W., 149 Centre (Belt Wire) D  
 Stine & Co., J. R. (Belt)...A  
**OHIO—Akron**  
 Akron Belting Co. (Belt Wire; Rawhide).....B  
 Whitman & Barnes Mfg. Co. (Rawhide).....AAAA  
**OHIO—Cleveland**  
 Malin & Co., 24 Long (Belt

**LACING (Con.)**

Composition Wire; Steel Belt; Metallic Belt)...D  
**OHIO—Youngstown**  
 American Belting Co. (Belt; Wire).....C  
**PA.—Philadelphia**  
 Rhoads & Son, J. E., 241 Market (Leather Belt)...B  
**R. I.—Pawtucket**  
 Kenyon Mfg. Co. (Corset; Shoe).....B  
 Weatherhead, Thompson & Co. (Rawhide).....A  
**R. I.—Providence**  
 Brown Bros. Co., 62 Exch. Pl. (Belt; Rawhide)...A  
 Burgess & Son, A. (Rawhide).....X  
 Fletcher Mfg. Co. (Tipped; Corset; Shoe).....AAA  
**WIS.—Milwaukee**  
 Anstedt Leather Co., C., 552 Commerce (Belt).....A

**LACQUERS**

**CONN.—Bridgeport**  
 American Lacquer Company (Brass).....F  
**CONN.—New Haven**  
 New Era Lustre Co. (Canners').....F  
**ILL.—Chicago**  
 Barrett & Co., M. L. (Canners').....A  
 Devoe & Reynolds Co., 176 Randolph.....AAAA  
**MICH.—Detroit**  
 Detroit White Lead Works AAA  
**N. J.—Newark**  
 Hanson & Van Winkle Co. AA  
**N. J.—Rahway**  
 Egyptian Lacquer Mfg. Co. B  
**N. Y.—Brooklyn**  
 Moller & Schumann Co....A  
 New York City  
 Marx & Rawolle.....AA  
 Standard Varnish Wks....AA  
 Zinsser & Co., W.....A  
 Zucker & Levett & Loeb Co., 526 W. 25th.....A  
**OHIO—Cincinnati**  
 British-American Co. ....E  
**OHIO—Cleveland**  
 Glidden Varnish Co. ...AA  
**PA.—Pittsburg**  
 Atlas Paint Co., 2638 Liberty Av. (Anti-Rust)...X

**LADDERS**

**CAL.—San Francisco**  
 California Barrel Co. (Step) AA  
**CONN.—New Haven**  
 Flint, A. W. (Wooden)...E  
**ILL.—Aurora**  
 Richards Mfg. Co. (Rolling Store).....B  
 Wilcox Mfg. Co. (Rolling; Trolley).....B  
**ILL.—Chicago**  
 Bicycle Step Ladder Co., 50 State (Rolling; Trolley) B  
 Chicago Woodenware Co., 21st & Sagamon (Extension).....D  
 Schomer, Henry (Step)...D  
 Warren Mfg. Co., J. D., Masonic Temple (Rolling; Trolley).....B  
**ILL.—Piano**  
 Earl Mfg. Co., F. H. (Extension).....C  
**IND.—Ft. Wayne**  
 Bowser & Co., S. F. (Step) A  
**IND.—Goshen**  
 I. X. L. & Goshen Pump Co. (Step).....B  
**IND.—Indianapolis**  
 Udell Works (Extension; Step).....A  
**MAINE—South Paris**  
 Paris Mfg. Co. (Step)...A  
**MASS.—Boston**  
 Ames Plow Co. (Step) AAAA  
**MASS.—Holyoke**  
 Coburn Trolley Track Mfg.

**LADDERS (Con.)**

Co. (Rolling; Trolley)...A  
**MASS.—Worcester**  
 Hill Dryer Co. (Step) ...D  
**MICH.—Detroit**  
 Barnum Wire & Iron Wks.,  
 103 Shelby (Steel)....B  
**MICH.—Saginaw**  
 Morley Bros. (Inc.) (Roll-  
 ing) .....AA  
**MINN.—St. Paul**  
 Calander, Jno., 148 8th  
 (Rolling; Trolley) ....D  
**MO.—St. Louis**  
 Ludlow-Saylor Wire Co.  
 (Steel) .....AA  
 Milbradt & Co., G. A., 1924  
 N. B'way (Rolling; Trol-  
 ley) .....C  
**N. Y.—Albion**  
 Mallory, C. M. (Step) ....F  
**N. Y.—Brooklyn**  
 Cooper & McKee (Folding;  
 Shelf; Step) .....A  
**N. Y.—Forrestville**  
 Pierce & Jewett (Step)...C  
 New York City  
 Cornell Co., J. B. & J. M.,  
 26th & 11th Av. (Steel)  
 AA  
 Fellows & Lathrop Co., 104  
 Reade (Step) .....D  
 M'Cabe Hanger Mfg. Co.,  
 425 W. 25th (Tubular  
 Rolling; Trolley) .....B  
 Mace & Co., L. H. (Fold-  
 ing; Step) .....B  
 Reilly Bros., 322 W. 41st  
 (Painters') .....D  
 Stokes & Co., Wm. A., 30  
 Warren (Step) .....D  
**N. Y.—Poughkeepsie**  
 Lane Bros. Co. (Rolling;  
 Trolley) .....A  
**N. Y.—Rochester**  
 Pease, F. B. (Extension).D  
**N. Y.—Watervliet**  
 Tilley, John S. (Extension)  
 E

**OHIO—Ashland**

Myers & Bro., F. E. (Roll-  
 ing; Trolley; Steel) AAAA

**OHIO—Canton**

Balm, Julius C. (Extension  
 Step) .....F

**PA.—Indiana**

Indiana Bent Rung Ladder  
 Co. (Step) .....B

**PA.—Philadelphia**

Berger Bros. Co., 231 Arch  
 (Sectional; Extension;  
 Single) .....A

Hall Bros., 902 Master  
 (Rolling; Trolley) ....X

**PA.—Pittsburg**

Phoenix Steel Construction  
 Co., Penn. Av. & 3d  
 (Steel) .....D

**VA.—Norfolk**

Whitehurst Co., R. W.  
 (Step) .....B

**LADLES**

See also Silverware; Tin-  
 ware; Glassware; etc.

**CONN.—Meriden**

Manning, Bowman & Co.  
 (Enamelled; Soup) ...AA  
 Meriden Britannia Co. (Ice  
 Cream; Soup) .....AAAA

**CONN.—Southington**

Peck, Stow & Wilcox Co.  
 (Melting; Plumbers')  
 AAAA

**ILL.—Chicago**

Holland, Wm., 60 S. Canal  
 (Melting; Plumbers')...E

**ILL.—Clyde**

Coonley Mfg. Co. (Soup)...B

**ILL.—Downers' Grove**

Dicke Tool Co. (Melting;  
 Plumbers') .....C

**ILL.—Evanston**

Mark Mfg. Co. (Foundry)  
 AA

**ILL.—Harvey**

Whiting Fdy. Equipment  
 Co. (Crane; Truck; Found-  
 ry) .....AA

**MD.—Baltimore**

Poole Engineering & Ma-

**LADLES (Con.)**

chine Co. (Foundry)...AA  
 Sinclair-Scott Co. (Melting)  
 E

**MASS.—Boston**

Sturtevant Co., B. F. (Found-  
 ry) .....AAA

**MASS.—Lowell**

Scannell Boiler Wks. (Found-  
 ry) .....B

**MASS.—Worcester**

Stewart Boiler Wks. (Found-  
 ry) .....B

**MICH.—Detroit**

Byram & Co. (Inc.) (35 to  
 35,000 lbs. Foundry Steel;  
 Babbitt) .....D

Northern Engineering Wks.  
 (Foundry) .....A  
 Richardl & Bechtold (Bat-  
 ter) .....B

Union Heater Supply Co.  
 (Melting; Plumbers')...G  
**MICH.—Kalamazoo**  
 Freeman Mfg. Co. (Butter)  
 B

**MO.—St. Louis**

Pleuger & Henger Mfg. Co.  
 (Melting) .....A  
 St. Louis Stamping Co.  
 (Enamelled; Soup).....AAAA

**N. J.—Newark**

Atha Tool Co. (Foundry)...A  
 Bernz, Otto S., 13th & S.  
 Orange Av. (Melting;  
 Plumbers') .....B

Johnson, Wm., 249 Plane  
 (Melting; Plumbers')...D  
 Osborne & Co., C. S. (Steel)  
 B

**N. Y.—Buffalo**

Aldrich Mfg. Co. (Brass)...A  
 Pratt & Letchworth Co.  
 (Melting) .....AAAA

Shepard & Co., Sidney (Tin)  
 AAAA

**New York City**

Cottrell & Sons' Co., C. B.  
 (Stereotypers') .....AAA  
 Crandall & Godley Co. (Ice  
 Cream) .....AA

Lalace & Grosjean Mfg.  
 Co., 19 Cliff (Wrought  
 Steel Melting; Plumbers';  
 Enamelled; Soup).....AAAA

Ogden Co., J. Edward, 147  
 Cedar (Foundry) .....B  
 Sargent & Co. (Melting)  
 AAAA

**OHIO—Cincinnati**

Obermayer Co., S., 647  
 Evans (Foundry) .....AA

**OHIO—Cleveland**

Smith Foundry Supply Co.,  
 J. D., 40 S. Water....D

**OHIO—Columbiana**

Columbiana Boiler Co.  
 (Open Hearth; Bessemer  
 Plant) .....O

**OHIO—Girard**

Girard Boiler & Mfg. Co.  
 (Cinder) .....D

**OHIO—Lowellville**

Meehan Boiler & Construc-  
 tion Co. (Foundry; Melt-  
 ing) .....B

**OHIO—Massillon**

Hess, Snyder Co. (Wax)...AA  
**OHIO—Niles**  
 Niles Boiler Co. (Foundry)  
 B

**OHIO—Salem**

Clark Co., W. J. (Melting;  
 Plumbers'; Foundry Steel)  
 A

**OHIO—Warren**

Warren City Boiler Works  
 (Foundry) .....A

**OHIO—Youngstown**

Pollock Co., Wm. B. (Found-  
 ry; Melting) .....AA

**PA.—Allegheny**

Carlins' Sons, Thos. (Found-  
 ry) .....A

**PA.—Brownsville**

Herbertson's Sons, J. (Glass  
 House) .....D

**PA.—Chester**

Vulcan Wks. (Open Hearth;  
 Bessemer Plant) .....B

**PA.—Erie**

Holland's Mfg. Co. (Melt-  
 ing; Plumbers') .....B

**LADLES (Con.)****PA.—New Castle**

Penna. Engineering Works  
(Open Hearth; Bessemer  
Plant; Foundry; Melting)  
AA

**PA.—Philadelphia**

Mills & Bro., Thomas (Ice  
Cream) .....A  
Paxson Co., J. W., 1021 N.  
Del. Av. (Foundry; Melt-  
ing) .....AA  
Wilfong Bros., 52d & P. W.  
& B. R. R. (Foundry) ..B

**PA.—Pittsburg**

Carroll-Porter Boiler & Tank  
Co. (Foundry; Bessemer  
Plant; Open Hearth) ...B  
Munroe & Son Mfg. Co., 23d  
& Smallman (Bessemer  
Plant; Open Hearth) ..AA  
Riter-Conley Mfg. Co.  
(Foundry; Melting) ..AAA  
Standard Mfg. Co. (Plumb-  
ers') .....AA  
Union Foundry & Machine  
Co. (Foundry) .....B

**PA.—Reading**

Reading Hdw. Co. (Melt-  
ing; Plumbers') ..AAAA

**PA.—Towanda**

Loetzer Valve & Mfg. Co.  
(Seamless Plate Steel  
Melting; Plumbers') ...X

**PA.—Washington**

Petroleum Iron Works Co.  
(Foundry; Open Hearth;  
Bessemer Plant) .....A

**PA.—Wilkesbarre**

Vulcan Iron Wks. (Found-  
ry) .....AAAA

**WIS.—Racine**

Racine Malleable & Wrought  
Iron Co. (Foundry; Melt-  
ing; Plumbers') .....A

**LAGGING****IND.—Mishawaka**

Dodge Mfg. Co. (Hardwood)  
AAA

**MASS.—Boston**

Trainer Mfg. Co., C. W., 89  
Pearl (Locomotive) ....E

**MINN.—Winona**

Union Fibre Co. (Locomo-  
tive) .....B

**New York City**

Johns-Manville Co., H. W.,  
100 William (Locomotive)  
AAAA

United States Mineral Wool  
Co., 143 Liberty (Loco-  
motive) .....D

**OHIO.—Alliance**

Alliance Asbestos Mfg. Co.  
(Locomotive) .....B

**OHIO.—Lockland**

Carey Mfg. Co., Philip (Lo-  
comotive) .....AAA

**PA.—Ambler**

Keasbey & Mattison Co.  
(Magnesia Locomotive)  
AAAA

**PA.—Erie**

Watson Co., H. F. (Lo-  
comotive) .....AAA

**PA.—Franklin**

Franklin Mfg. Co. (Loco-  
motive) .....AA

**LAMBREQUINS**

See Draperies; Curtains.

**PA.—Philadelphia**

Derk & Co., J., 1310 Law-  
rence .....D  
Lewis, Robert, Bridesburg  
(R. R. Car) .....B

**LAMPS**

See also Hardware; Car-  
riage; see also Lights.

**CAL.—San Francisco**

Boesch Lamp Co., 585 Mis-  
sion (Station) .....C  
California Incandescent  
Lamp Co. (Incandes-  
cent Electric) .....C

**LAMPS (Con.)****COLO.—Denver**

Capitol Electric Co. (Incan-  
descent Electric) .....C

**CONN.—Bridgeport**

American Tube & Stamp-  
ing Co. (Miners' Safety;  
Steel; Millyard) ...AAAA  
Bridgeport Brass Co. (Bi-  
cycle; Brass; Brass Hand;  
Car; Acetylene; Carriage;  
Automobile; Hand; Table;  
Piano; Banquet Hanging)  
AAA

Bridgeport Gun Implement  
Co. (Bicycle) .....AA

Perkins' Electric Switch  
Mfg. Co. (Direct; Alter-  
nating Enclosed Arc; Elec-  
tric Arc) .....A

**CONN.—Bristol**

Bristol Brass Co. (Clock;  
Hanging) .....AAA  
New Departure Mfg. Co.  
(Bicycle) .....AAAA

**CONN.—Danbury**

Handel Co. (Art) .....X

**CONN.—Hartford**

Franklin Electric Mfg. Co.  
(Incandescent Electric;  
Incandescent Electric  
Car) .....C  
Green & Bauer (Incandes-  
cent Electric; Incandes-  
cent Miniature) .....X  
Howard & Co., Jas. L.  
(Car) .....A

**CONN.—Meriden**

Bradley & Hubbard Mfg. Co.  
(Artistic Iron; Banquet  
Brass; Banquet Iron;  
Bracket; Brass; Bronzed  
Iron; Central Draught;  
Chandelier; Decorated;  
Extension; Hall; Hang-  
ing; Harp; Library Exten-  
sion; Metal; Newell Post;  
Nickel; Piano; Table;  
Vase; Marine; Pulpit)  
AAAA

Meriden Britannia Co. (Deco-  
rated) .....AAAA

Miller & Co., Edw. (Brass;  
Student; Portable Table;  
Kerosene Oil Street; Bi-  
cycle; Bracket; Chande-  
ller; Decorated; Hall;  
Hall Extension; Hand  
Brass; Hanging; Harp;  
Jacket; Jewelled; Libra-  
ry Extension; Night;  
Brass Piano; Table; Ma-  
rine; Miners') .....AAAA

Parker Co., Chas. (Banquet  
Brass; Brass; Banquet  
Iron; Chandelier; Exten-  
sion Hall; Bracket; Ex-  
tension; Library Exten-  
sion; Vase; Pulpit; New-  
ell Post; Brass Piano)  
AAA

Wilcox Silver Plate Co.  
(Silver Plated) .....AAAA

**CONN.—New Haven**

Cowles & Co. (Inc.), C.  
(Carriage) .....A  
English & Mersick Co. (Car-  
riage) .....B  
Scoville & Peck Co. (Auto-  
mobile) .....X

**CONN.—Stamford**

Stamford Gas Stove Co. (In-  
candescent Gas) .....B

**CONN.—Wallingford**

Simpson-Hall-Miller Co.  
(Silver Plated) .....AAAA

**CONN.—Waterbury**

Benedict & Burnham Mfg.  
Co. (Bicycle) .....AAAA  
Holmes, Booth & Haydens  
Co. (Inc.) (Hall; Hang-  
ing; Banquet Brass; Li-  
brary Extension; Brass  
Piano; Metal Stand; Ta-  
ble) .....AAAA

Noera Mfg. Co. (Boiler  
Makers') .....B

Plume & Atwood Mfg. Co.  
(Bicycle; Brass; Hall; Ex-  
tension; Brass Hand; Li-  
brary Extension; Night;  
Table) .....AAA

**LAMPS (Con.)**  
 Scovill Mfg. Co. (Brass; Bicycle; Table; Banquet Hanging) .....AAAA  
**ILL.—Chicago**  
 Acorn Brass Mfg. Co., 192 Fulton; (Arc Gas; Arc; Gasoline) .....D  
 Adams & Westlake Co., Ontario, cor. N. Franklin (Tubular Station; Electric Arc; Bicycle; Carriage; Alternating & Direct Incandescent Arc; Candle; Car; Semaphore Signal; Signal; Switch) .....AAAA  
 American Lighting Co., 112 Michigan (Incandescent Gasoline; Regenerative Gas) .....D  
 Beckley-Ralston Co. (Gas; Bicycle) .....C  
 Brilliant Gas Lamp Co., 42 State (Gasoline) .....X  
 Central Electric Co. (Arc; Incandescent) .....A  
 Chicago Edison Co. (Incandescent) .....AAAA  
 Clow & Sons, Jas. B., 344 Franklin (Street) .....AAAA  
 Cosmopolitan Electric Co., 41 State (Incandescent Gas) .....B  
 De Tray & Weyler Mfg. Co., 301 W. Lake (Gasoline; Street) .....F  
 Electric Appliance Co. (Arc; Incandescent) .....B  
 Globe Light & Heat Co., ft. of Orleans (Street) .....B  
 Hine-Watt Mfg. Co. (Acetylene Gas) .....D  
 Illinois Electric Co., 239 Madison (Incandescent Electric) .....B  
 Lindsay Light Co. (Incandescent Gas) .....D  
 National Stamping & Electric Works, La Salle & Michigan (Arc; Gas) .....C  
 Plew, James E. (Acetylene Bicycle) .....B  
 Sanitary Specialty Mfg. Co., 55 N. Clinton (Arc; Gas) .....B  
 Standard Gas Lamp Co. (Acetylene Gas) .....C  
 Standard Carriage Lamp Co., 43 S. Canal (Carriage) .....D  
 Sunbeam Incandescent Lamp Co., 259 S. Clinton (Incandescent Electric) .....B  
 Turner Brass Works, Franklin & Michigan (Arc, Gas; Vapor Gasoline; Incandescent Gas) .....A  
 Western Electric Co., 259 S. Clinton (Petite, Alternating Enclosed Arc; Incandescent Electric; Focussing) .....AAAA  
 White Mfg. Co., 158 Indiana (Bicycle; Automobile; Acetylene Gas; Carriage) .....X  
 Wilson, T. Cortez & Co., 239 Lake (Portable Table) .....B  
**IND.—Bloomington**  
 Oakes Mfg. Co. (Incubator) .....D  
**IND.—Ft. Wayne**  
 Fort Wayne Electric Works (Inc.) (Alternating & Direct Incandescent Arc; Incandescent Electric; Arc, Enclosed) .....AAAA  
**IND.—Kendallville**  
 Baker & Son Co., Jas. B. (Fishing) .....C  
**IND.—Muncie**  
 Warner Arc Lamp Co. (Enclosed Arc) .....D  
**IND.—Richmond**  
 Richmond Indiana Mfg. Co. (Automobile; Carriage) .....A  
**IOWA.—Ottumwa**  
 Hardsocg Mfg. Co. (Coal Miners') .....B  
**KANS.—Coffeyville**  
 Pioneer Flint Glass Co. (Glass) .....C

**LAMPS (Con.)**  
**KY.—Covington**  
 Hemingray Glass Company (Glass) .....AA  
**KY.—Owensboro**  
 Kentucky Electrical Co. (Incandescent Electric; Incandescent Gas) .....B  
**MASS.—Amesbury**  
 Atwood Mfg. Co. (Carriage) .....C  
 Gray & Davis (Automobile; Carriage) .....C  
**MASS.—Boston**  
 Anderson Mfg. Co., Albert & J. M. (Direct Enclosed Incan. Arc) .....A  
 Bernstein Electrical Mfg. Co., 286 Roxbury (Incan. Electric; Incan. Series) .....B  
 Dewey Co., F. O., 28 Canal (Railway Switch) .....D  
 Gilmore Electric Co., 625 E. 1st (Incan. Electric; Incan. Miniature; Incan. Renewed; Incan. Series) .....AA  
 Globe Gas Light Co., 79 Union (Street) .....D  
 Gray & Sons, Peter, 12 Marshall (Station Switch) .....C  
 Hollings & Co., Richard (Banquet Brass; Brass Piano; Iron Piano) .....X  
 Page Bros. & Co., 349 Cambridge (Car; Railway; Marine; Street Car) .....B  
 Re-New Lamp Co., 134 State (Incan. Renewed) .....C  
 Sherbourne & Co. (Car; Locomotive Cab) .....A  
 Thompson & Co., A. T., 26 Bloomfield (Focussing) .....X  
 Wheeler Reflector Co., 156 Pearl (Street Gas; Bracket; Harp; Reflecting Street) .....O  
 Zelgier Apparatus Co., 200 Summer (Arc; Photo-Engraving) .....X  
**MASS.—Danvers**  
 Consolidated Electric Lamp Co. (Incan. Electric; Incan. Renewed) .....E  
**MASS.—Marlboro**  
 Marlboro Electric Machine & Lamp Co. (Incan. Electric) .....B  
**MASS.—Middleton**  
 Eagle Lamp Co. (Incan. Renewed) .....F  
 New England Electrical Works (Incan. Renewed) .....X  
**MASS.—New Bedford**  
 Smith Bros. (Decorated) .....X  
 Pairpoint Mfg. Co. (Art; Silver Plated) .....AA  
**MASS.—Pittsfield**  
 Stanley Electric Mfg. Co. (Alt. & Direct Arc) .....AAAA  
**MASS.—Springfield**  
 Munder Electric Co. (Incan. Electric) .....C  
**MASS.—Worcester**  
 White Co., O. C. (Portable Incan. Electric) .....F  
**MICH.—Ann Arbor**  
 Superior Mfg. Co. (Gasoline) .....E  
**MICH.—Detroit**  
 Buhl Stamping Co. (Foundry; Station) .....AA  
 Ireland & Matthews Mfg. Co. (Gasoline, for gravity & pressure for out or indoor) .....A  
 Phelps Co., 33 State (Arc, Gas; Hylo Turn-down Incandescent Electric) .....D  
**MICH.—Grand Rapids**  
 Wheelr Electric Co., M. B. (Portable Table) .....D  
**MICH.—Kalamazoo**  
 General Gas Light Co. (Arc, Gas) .....A  
**MINN.—Dassel**  
 Wreissner Bros. (Portable Table) .....G  
**MO.—St. Louis**  
 Columbia Incan. Lamp Co., 2115 Locust (Incan. Electric; Incan. Gas) .....B



# LAMPS (Con.)

Eagle Generator Co. (Acetylene; Gas) .....A  
 Franke, H. E., 1119 Pine (Incandescent Gas)....E  
 Handlan-Buck Mfg. Co., 212 8d (Railway; Signal; also Engine & Tall; Target Switch) .....AA  
 Merkel, Herman, 511 Elm (Gasoline) .....X  
 Meyrose Lantern Co., F., 731 S. 4th (Street; Bicycle; Bracket; Central Draught; Tin Hand; Student; Hanging; Gas Street) .....X  
 Western Electrical Supply Co. (Enclosed Arc; Incan. Electric) .....X  
**M. J.—Elizabeth**  
 Diehl Mfg. Co. (Arc; Enclosed Arc) .....B  
**N. J.—Harrison**  
 Germania Electric Lamp Co. (Incan. Electric) .....X  
**M. J.—Newark**  
 Lockwood Mfg. Co., O. N. (Carriage; Dash) .....B  
 Romer & Co. (Inc.) (Dash) .....C  
 Sacks Iron Foundry, Louis (Shoemakers' Kit) .....A  
**N. J.—New Brunswick**  
 N. J. Lamp & Bronze Wks. (Central Draught; Decorated Metal; Brass Piano) .....AA  
**N. J.—Trenton**  
 American Lamp & Brass Co. (Brass) .....X  
**M. Y.—Albany**  
 Consolidated Car Heating Co. (Street Car) .....A  
**M. Y.—Brooklyn**  
 Brooklyn Electric Lamp & Novelty Co., 278 Fulton (Incan. Miniature) ....F  
 Fox, Arthur W. 83 Schermerhorn (Focussing Arc; Arc, Photo-Engraving) .....F  
 Incandescent Burner Co., 633 Fulton (Arc, Gas) .....F  
 New York Stamping Co. (Five O'Clock Tea) ....A  
 Sweeney Mfg. Co., W. H. (Table) .....A  
**M. Y.—Buffalo**  
 Shepard & Co., Sidney (Miners' Safety) ..AAAA  
**M. Y.—Glens Falls**  
 Glens Falls Lantern Co. (Safety Hand) .....D  
**New York City**  
 American-Belgian Lamp Co. (Banquet Iron; Bracket; Brass; Decorated; Extension; Hanging; Harp; Brass Piano; Iron Piano; Vase; Marine) .....D  
 Amer. Incandescent Lamp Co., 351 E. 61st (Incan. Gas) .....C  
 Amer. Miniature & Decorative Lamp Co., 320 Hudson (Incan. Miniature).B  
 Anchor Lamp Co., 258 B'way (Incan. Electric; Incan. Renewed) .....B  
 Angle Lamp Co., 76 Park Pl. (Marine) .....E  
 Ansonia Brass & Copper Co. (Hall) .....AAAA  
 Armspear Mfg. Co., 447 W. 53d (Signal) .....B  
 Block Light Co., 17 Park Pl. (Incan. Gas) .....A  
 Bogue, Chas. J., 213 Centre (Arc, Photo-Engraving).C  
 Britelite Lamp Co., 45 B'way (Acetylene) ....R  
 Bryan-Marsh Co., 136 Liberty (Incan. Electric; Incan. Car; Incan. Miniature) .....B  
 Bunnell & Co., J. H. (Incandescent) .....B  
 Cluster Gas Light Co., 64 Bowery (Incan. Gas)....D  
 Colt Co., J. B. (Acetylene Gas; Focussing; Gas Bicycle; Arc Projecting).B  
 Consolidated Fruit Jar Co.,

# LAMPS (Con.)

290 B'way (Brass; Miners') .....AA  
 Crane Co., Wm. M., 1183 B'way (Arc, Gas) .....A  
 Cremo Incandescent Light Co., 110 E. 129th (Incandescent Gas) .....D  
 Diets Co., R. E., 60 Laight (Automobile; Tubular; Carriage; Locomotive Danger, Car; Inspectors', Conductors', Railway; Red Signal; Station; Bicycle; Street; Switch; Dash; Side; Socket; Marine; Hanging; Night; Miners'; Photographers' Dark Room; Hunting; Locomotive Cab; Warehouse) .....A  
 Electric Arc Light Co., 120 Liberty (Electric Arc) .X  
 Fiske Iron Works, J. W. (Street) .....B  
 Folmer & Schwing Mfg. Co. (Photographic Flash)....B  
 Fondeville & Van Iderstine, 37 Warren (Art) .....C  
 Frink, I. P. (Vestibule; Orchestra) .....AA  
 Funke, A. H., 325 B'way (Imported Automobile).B  
 General Incan. Arc Light Co., 570 1st Av. (Enclosed & Open Arc; Incan. Electric; Incan. Miniature)....A  
 Gilbert & Barker Mfg. Co., 82 John (Gasoline) ....A  
 Gleason Mfg. Co., E. P., 20 W. Houston (Arc, Gas; Street; Jewelled) .....B  
 Hicks & Schmidt, 587 G'wich (Car; Marine)....X  
 Hollis, H. B., 64 Murray (Art) .....X  
 Houchin Co., Thos. W. (Night, Wax; Alcohol).D  
 Howard & Morse, 45 Fulton (Miners' Safety) .....D  
 Ingersoll & Bro., Robert H., 51 Maiden Lane (Bicycle; Automobile) .....A  
 Ingersoll-Sergeant Drill Co., 28 Cortlandt (Mine Actylene) .....AAAA  
 Jaeger Miniature Lamp Mfg. Co., Bible House (Incan. Miniature) .....D  
 Judd & Co., H. L. (Banquet Iron; Brass; Brass Piano) .....AA  
 Keuffel & Esser Co., 127 Fulton (Miners') .....AA  
 Kinsman Electric & Railway Supply Co., 91 Liberty (Desk Electric; Incan. Electric; Incan. Gas) .....E  
 Knickerbocker Light & Heat Co., 25 W. B'way (Incandescent Gas) .....X  
 Lamb, J. & R. (Pulpit)....D  
 La Roche Co., F. A., 656 Hudson (Arc, Photo-Engraving) .....A  
 Lowell & Co., F. H., 92 William (Electric; Brass) .....A  
 McCandless & Co., H. W., 67 Park Pl. (Incan. Miniature) .....D  
 McLeod, Ward & Co., 27 Thames (Desk Electric; Dash; Orchestra) .....E  
 Manhattan Brass Co. (Bicycle; Incan.; Bracket; Brass Hand; Hanging Student) .....A  
 Manhattan Electrical Supply Co. (Incan.) .....AA  
 Manhattan General Construction Co., 20 B'way (Enclosed Arc) .....X  
 Manhattan Silver Plate Co. (Silver Plated) ..AAAA  
 Mannello, Angelo, 676 Eagle Av. (Carriage) .....C  
 Matchless Mfg. Co., 35 Warren (Arc Gas) ....D  
 Miner, Thos. T. W., 823 Eagle Av. (Street) .....F  
 Mitchell-Vance Co. (Brass

**LAMPS (Con.)**

Piano; Iron Piano; Table) AA  
 Modern Light Co., 293  
 Church (Incan. Gas)...X  
 Ostrander & Co., W. B. (Incandescent) .....A  
 Page, Dennis & Co., 325 B'way (Electric Bicycle) B  
 Photo-Engraving Co., 11  
 Murray (Arc, Photo-Engraving) .....E  
 Porters' Sons Co., Wm., 67  
 Fulton (Marine) .....E  
 Rooney-Westbury Electric Lamp Co., 154 E. 23d (Incandescent Miniature)...E  
 Safety Car Heating & Lighting Co. (Street) ....AAA  
 Sawyer-Man Electric Co., 510 W. 23d (Incandescent Electric) .....A  
 Smith of New York Co., 352  
 Pearl (Car; Carriage; Gasoline; Signal; Station; Street Car) .....F  
 Spinal Brush Company, 1133 B'way (Lanoline) .....X  
 Tower & Lyon Co. (Brass Hand; Iron Hand)....B  
 Twentieth Century Mfg. Co., 17 Warren (Automobile) B  
 United Metal Mfg. Co., 186  
 Wooster (Gas, Arc) ....D  
 Universal Electric Stage Light Co. (Arc) .....D  
 Wellington Mfg. Co. (Hall; Bracket; Chandelier; Hall Extension; Brass; Metal Stand; Student; Table; Gas Street) .....X  
 Wells Light Mfg. Co., 44 Washn. (Signal) .....B  
 Welsbach Co., 1133 B'way (Incan. Gas) .....A  
 Whaley & Co., J. A., 318 6th (Art) .....E  
 Williams, John (Artistic Iron; Brass) .....B  
 Wing Mfg. Co., L. J., 251 B'way (Portable Table).D  
**N. Y.—Phoenicia**  
 Walton & Co., Jas. (Portable Table) .....H  
**M. Y.—Rochester**  
 Ham Mfg. Co., C. T. (Car; Carriage; Station; Street; Switch; Bicycle; Dash; Side; Glass Hand; Marine; Caboose; Tail; Locomotive Cab) .....AA  
 Rochester Headlight Works (Car; Signal) .....D  
 Rochester Lantern Company (Night) .....D  
 Star Headlight Co. (Oil Car) X  
**N. Y.—Schenectady**  
 General Electric Co. (Multiple A. C. & D. C. Arc; Arc. Machine Shop; Arc. Photo-Engraving; Incan. Electric; Incan. Miniature; Incan. Series Direct Current Arc) .....AAAA  
**N. Y.—Syracuse**  
 Will & Baumer Co. (Night) AA  
**N. Y.—Troy**  
 Bernard Co., E. G. (Incandescent) .....D  
**OHIO—Akron**  
 Akron Gas Lamp Co. (Incan. Gasoline; Railway).F  
**OHIO—Canton**  
 Berger Mfg. Co. (Railway; Gasoline Gas; Street)...AA  
 Best Street Light Co. (Arc Gasoline) Gasoline; Incan. Gas; Incan. Gasoline; Incan. Vapor Gas; Street).B  
 Canton Incandescent Light Co. (Incan. Vapor Gas).B  
 Diamond Light Co. (Incan. Vapor Gas) .....E  
 Sun Vapor Street Light Co. (Gasoline Arc; Student; Incan. Gasoline; Incan. Vapor Gas; Street) ....A  
**OHIO—Cincinnati**  
 Corcoran's Sons, Thos. F

**LAMPS (Con.)**

(Carriage) .....B  
 Creaghead Engineering Co. (Electric Arc) .....D  
 Macleod & Co., Walter, 463 E. Front (Miners' Safety; Signal; Station) .....B  
 Nowotny Electric Co. (Enclosed Arc) .....H  
 Obermayer Co., S. (Flask; Shop; Foundry) .....AA  
 Ritter Electrical Co. (Direct Arc) .....H  
**OHIO—Cleveland**  
 Adams-Bagnall Electric Co. (Alt. & Direct Incan. Arc; Arc, Photo-Engraving) .B  
 Buckeye Electric Co. (Incandescent Electric) ...AA  
 Central Gas Appliance Co. (Incandescent Gas).....E  
 Dangler Stove & Mfg. Co. (Laboratory) .....AAAA  
 Forest City Foundry & Mfg. Co. (Shop; Foundry) ...A  
 General Incan. Lamp Co., cor. Mason & Belden (Incan. Electric) .....B  
 Globe Electric Mfg. Co. (Direct Arc) .....B  
 Jundus Electric Co. (Double Enclosed Arc) .....B  
 National Electric Lamp Co. (Incan. Electric) .....A  
 New Process Lighting Co., 131 2d Av. (Arc, Gas)...B  
 Ohio Electric Works, 76 Ellen (Incan. Miniature; Flash Electric; Station; Electric Bicycle; Electric; Battery Table; Electric Carriage) .....D  
 Osborn Mfg. Co. (Shop; Foundry) .....B  
 Reserve Fdy. & Mfg. Co., 1302 Euclid Av. (Arc. Gas; Arc, Gasoline) ....X  
 Smith Foundry Supply Co., J. D. (Flask; Shop; Foundry) .....D  
 Taylor & Boggis Foundry Co. (Furnace; Shop; Foundry) AA  
 Tyler & Co., E. W., 2614 B'way (Brass Street) ..X  
**OHIO—Columbus**  
 Victor Lighting Co. (Gasoline) .....G  
**OHIO—Dayton**  
 Dayton Electrical Mfg. Co. (Incan. Electric) .....B  
 Dayton Fan & Motor Co. (Belden Alt. Enclosed Arc) .....C  
 Dayton Mfg. Co. (Car. for steam and electric cars).A  
**OHIO—Fostoria**  
 Fostoria Incandescent Lamp Co. (Incan. Lamp) ...A  
**OHIO—Mansfield**  
 Ohio Brass Co. (Incan.)...AA  
**OHIO—Niles**  
 Standard Electric Mfg. Co. (Incan. Electric) .....C  
**OHIO—Ravenna**  
 Colonial Electric Co. (Incandescent Electric) ....B  
**OHIO—Shelby**  
 Shelby Electric Co. (Incan. Electric) .....A  
**OHIO—Tiffin**  
 Ohio Lantern Co. (Railway; Dash; Side; Tin Hand)..B  
**OHIO—Warren**  
 Economy Electric Co. (Incandescent Renewed) ..D  
 New York & Ohio Co. (Incandescent Electric) ...A  
 Sterling Electric Mfg. Co. (Incan. Electric; Incan. Car; Incan. Renewed) .A  
 Warren Electric & Specialty Co. (Incan. Electric; Incan. Miniature) .....A  
 Winfield Mfg. Co. (Kitchen; Bicycle; Glass) .....B  
**OHIO—Youngstown**  
 Banner Electric Co. (Incan. Electric; Incan. Car)...B  
**OHIO—Zanesville**  
 Weller, S. A. (Glass; Harp; Hanging; Night; Table) AA

**LAMPS (Con.)****PA.—Allegheny**

Hipwell Mfg. Co. (Central Draft) .....D  
 Keystone Electric & Mfg. Co. (Arc) .....D  
 Pittsburg Lamp, Brass & Glass Co. (Banquet Iron; Brass; Central Draught; Library, Extension; Metal; Brass Piano; Silver Plated; Vase) .AAAA

**PA.—Braddock**

Pittsburgh Electric Lamp Co. (Incan. Electric) ...X

**PA.—Coraopolis**

Consolidated Lamp & Glass Co. (Bracket; Cut Glass; Glass; Glass Hand; Glass Stand) .....A

**PA.—Corry**

Climax Mfg. Co. (Incandescent Electric) .....A

**PA.—Ellwood City**

Glen Mfg. Co. (Vestibule; Porte Cochere), &c.) ...C

**PA.—Monongahela**

Anton, George (Miners' Safety) .....D  
 Anton & Son, Jno. (Miners' Safety) .....D

**PA.—Philadelphia**

American Electrical Mfg. Co., 931 Chestnut (Alternating Arc) .....D  
 Automatic Incan. Light Co., Phila. Bourae (Incandescent Gas) .....D  
 Brill Co., J. G., 62d & Woodland Av. (Car) .AAAA

Carey & Co., 304 Race (Carriage) .....D

Gaumer Co., Jno. L., 19th & Hamilton (Street; Pulpit) .....C

Gillinder & Sons (Decorated; Glass Hand; Night; Glass Stand) .....A

Hellos Mfg. Co., 1229 Calowhill (Alt. & Direct Incan. Arc; Arc; Photo-Engraving) .....D

Kitson Hydro-Carbon Heating & Incan. Lighting Co., 8th & Willow (Incandescent Gas; Incan. Vapor Gas; Signal; Street) ...A

Klemm & Co., 132 N. 5th (Arc Gas; Oil Car) ....C

McCullin & Co., Thos. H. (Flash) .....H

Murray & Co., James J. (Fairly; Glass; Glass Hand) .....A

Paxson Co., J. W., 1021 N. Del. Av. (Foundry; Flask) .AA

Penna. Globe Gas Light Co., Broad & Arch (Street) .A

Philadelphia Electrical & Mfg. Co., 2011 Market (Open & Enclosed Arc) .E

Rath Light Co., 903 Walnut (Incan. Gas) .....B

Rose Mfg. Co., 910 Arch (Carriage; Bicycle) ....C

Stewart Electric Co., Frank H. (Incan. Electric) ...B

Toerring Co., 19th & Allegheny (Alt. & Direct Enclosed Incan. Arc) ....D

United Electric Improvement Co. (Arc; High Resistance) .....A

Welsbach Co., 1530 Chestnut (Incan. Gas) .....A

**PA.—Pittsburg**

Hamilton Lighting Co. (Arc Gas; Incan. Gas) .....F

Liberty Electric Mfg. Co., 543 4th Av. (Incan. Electric) .....B

McKee Glass Co., S. (Glass; Glass Hand; Metal Stand) .D

Phoenix Glass Co. (Cut Glass; Glass) .....A

Pittsburg Blue Print Co., Park Bldg. (Arc. Photo-Engraving) .....X

Pittsburg Brass Mfg. Co.

**LAMPS (Con.)**

(Bracket; Brass; Central Draught; Decorated; Extension Hall; Brass Hand; Hanging; Harp; Nickel; Metal Stand; Table; Vase) .D

Pittsburg Electrical & Machine Works (Alt. & Direct Current Arc) ....E

Supply Mfg. Co. (Enclosed Arc) .....X

U. S. Glass Co. (Glass) .AAAA

Westinghouse Electric & Mfg. Co. (Alt. & Direct Enclosed Arc; Incandescent Electric) ....AAAA

**PA.—Reading**

Arrowsmith Electric Co. (Incan. Electric) .....A

National Brass & Iron Wks. (Artistic Iron; Banquet Iron; Cut Glass; Decorated; Glass; Hanging; Library; Brass Piano) .A

**PA.—Scranton**

American Safety Lamp & Mine Supply Co. (Miners' Safety) .....F

Dodson Signal Lamp & Lantern Co. (Signal) .....D

Everhart Brass Works (Miners' Safety) .....A

Hughes Bros. (Miners' Safety) .....F

Hunt, Alex. E. (Miners' Safety) .....B

**PA.—White Mills**

Doerflinger & Sons, C. (Cut Glass) .....AA

**R. I.—Pawtucket**

Tenny Mfg. Co., A. E. (Direct) .....X

**R. I.—Providence**

American Endoscopic Co., Fletcher Bldg. (Incandescent Miniature) .....X

Hamblin Co., Jno. A., 12 Revery (Direct Arc) ...X

Hill Mfg. Co., James (Brass Hand; Galvanized Hand) .B

**TENN.—Memphis**

Irbv & Gilliland Co. (Arc Gas) .....B

**W. VA.—Bluefield**

Superior Supply Co. (Coke) .B

**W. VA.—Moundsville**

Fostoria Glass Co. (Glass; Glass Hand; Glass Stand; Vase) .....AAA

**W. VA.—Wellsburg**

Eagle Glass & Mfg. Co. (Night) .....A

Riverside Glass Wks. (Inc.) (Glass Hand; Night) ...C

**W. VA.—Wheeling**

Central Glass Works (Inc.) (Glass; Glass Hand; Glass Stand) .....A

Mutual Electric & Machine Co. (Direct Arc; Arc. Photo-Engraving) .....C

**WIS.—Kenosha**

Badger Brass Mfg. Co. (Headlights, Automobile; Acetylene Gas; Acetylene Bicycle; Acetylene Carriage; Brass; Chandelier; Extension) .....C

**WIS.—La Crosse**

Pacific Electric Co. (Electric Desk) .....X

**LANDAUS**

See also Carriages; Wagons.

**CONN.—Bridgeport**

Hinckes & Johnson .....AA

**CONN.—New Haven**

Goodrich & Co., J. F. ....AA

**ILL.—Sterling**

Rock Falls Mfg. Co. ....A

**IOWA.—Dubuque**

Connolly, Tom .....A

**MASS.—Amesbury**

Riddle & Smart Co. ....B

**MASS.—Boston**

French & Co., Ferd. F. ...D

**LANDAUS (Con.)**

N. J.—Newark  
 Quimby & Co., J. M.....A  
 N. Y.—Albany  
 Gould Co., James .....B  
 New York City  
 Brewster & Co., J. B.....B  
 Demarest & Co., A. T.....A  
 N. Y.—Troy  
 Troy Carriage Works ....B  
 N. Y.—Watertown  
 Babcock Co., H. H.....AA  
 OHIO—Youngstown  
 Youngstown Carriage &  
 Wagon Co. ....A

**LANOLINE**

New York City  
 Evans & Evans, 183 Wil-  
 liam .....A  
 Koechl & Co., Victor.....E

**LANTERNS**

CAL.—San Francisco  
 Boesch Lamp Co., 585 Mis-  
 sion (Railway) .....C  
 COLO.—Denver  
 Richter Iron Works, P., 1521  
 Stout (Artistic Wrought) X

CONN.—Bridgeport  
 Bridgeport Brass Company  
 (Brass) .....AAA  
 Hurwood Mfg. Co. (Tubular;  
 Kerosene, &c.; Police)...C  
 CONN.—Meriden  
 Miller & Co., Edward (Bulk-  
 head; Brass; Bulls' Eye;  
 Hanging Hall) .....AAAA  
 Parker Co., Charles (Hang-  
 ing Hall) .....AAA  
 CONN.—Waterbury  
 Holmes, Booth & Haydens  
 Co. (Inc.) (Brass).....AAAA  
 Scovill Mfg. Co. (Dry Paste)  
 AAAA

ILL.—Chicago  
 Adams & Westlake Co., On-  
 tario & N. Franklin  
 (Railway) .....AAAA  
 Comstock, J. J., 46 Lake...E  
 McIntosh Stereopticon Co.,  
 35 Randolph (Magic)...E  
 Martin Co., Edw. P. (Acety-  
 lene; Electrical; Solar)...C  
 Nicol & Co. (Candle) ....D  
 Wilson & Co., F. Cortez  
 (Candle) .....A  
 ILL.—Chicago Heights  
 Parish & Co., Chas. P. (Spec-  
 ial Tin) .....B  
 MD.—Baltimore  
 National Lantern & Lamp  
 Co., 19 N. Liberty .AAAA

MASS.—Boston  
 Gray & Sons, Peter, 12 Mar-  
 shall (Signal; Switch;  
 Railway) .....C  
 Thompson & Co., A. T., 26  
 Bromfield (Magic) ....X  
 Tufts Meter Co., Nathaniel  
 (Railway; Street; Ship)  
 A  
 Wheeler Reflector Co., 156  
 Pearl (Railway; Street)...C  
 MASS.—New Bedford  
 Weeden Mfg. Co. (Magic)  
 D

MICH.—Detroit  
 Buhl Stamping Co. (Tubu-  
 lar) .....AA

MO.—St. Louis  
 Handlan, Buck Mfg. Co.,  
 210 N. 3d (Railway)...AA  
 Meyrose Lantern Co., F.  
 (Railway; Tubular; Bulls'  
 Eye; Conductors'; Tubu-  
 lar) .....X  
 Zelnicker Supply Co., Wal-  
 ter A. (Railway) .....X  
 N. Y.—Glens Falls  
 Glens Falls Lantern Co.  
 (Railway; Driving; Tubu-  
 lar; Tubular Safety)...D  
 New York City  
 Abercrombie & Fitch, 314  
 B'way (Folding).....B  
 American-Belgian Lamp Co.  
 (Street) .....D  
 Amer. Flag Co. (Paper;

**LANTERNS (Con.)**

Chinese) .....A  
 Amer. Railway Supply Co.,  
 24 Park Pl. (Railway)...X  
 Armspear Mfg. Co., 447 W.  
 53d (Railway) .....B  
 Cairns & Bros. (Fireman's)  
 D  
 Colt Co., J. B., 21 Barclay  
 (Magic) .....B  
 Cornell Co., J. B. & J. M.  
 (Street) .....AA  
 Diets Co., R. E., 60 Laight  
 (Tubular; Brass; Bulls'  
 Eye; Conductors'; Fire-  
 man's; Globe; Pocket;  
 Police; Railway; Street;  
 Tubular; Pocket, Red)...A  
 Dressel Railway Lamp Wks.,  
 3875 Park Av. (Railway)  
 D  
 Folmer & Schwing Mfg. Co.  
 (Dry Plate; Magic)...B  
 Gennert, G. (Pocket, Red;  
 Dry Plate) .....B  
 Howard & Morse (Bulls'  
 Eye) .....D  
 Jackson Co., Wm. H., 29  
 E. 17th (Union Sq.) (Ar-  
 tistic Wrought) .....A  
 Lovell & Co., F. H. (Ship)  
 A

Pitt Composite Iron Wks.,  
 Wm. R., 111 5th Av. (Ar-  
 tistic Wrought) .....D  
 Prosch Mfg. Co. (Dry  
 Plate) .....F  
 Ramsperger & Co., H. G.  
 (Dry Plate) .....B  
 Smith of New York Co.,  
 352 Pearl (Railway;  
 Street; Conductors';  
 Globe) .....F  
 Tower & Lyon Co., 95  
 Chambers (Police).....B  
 Wellington Mfg. Co.  
 (Street) .....X  
 N. Y.—Port Jervis  
 Orange County Flint Glass  
 Wks. ....A

N. Y.—Rochester  
 Ham Mfg. Co., C. T. (Rail-  
 way; Bulkhead; Buoy;  
 Conductors'; Reflector;  
 Tubular) .....AA  
 Rochester Head Light Wks.  
 (Railway) .....D  
 Rochester Optical Co. (Dry  
 Plate) .....A  
 Star Head Light Co.  
 (Conductors') .....X  
 OHIO—Canton  
 Berger Mfg. Co. (Railway;  
 Tubular; Kerosene, &c.)  
 AA

OHIO—Cincinnati  
 Macleod & Co., Walter, 463  
 E. Front (Railway)....B

OHIO—Cleveland  
 Ohio Electric Wks. (Elec-  
 trical) .....D

OHIO—Columbus  
 Ohio Pump & Brass Co., 18th  
 & Oak (Railway) .....C

OHIO—Tiffin  
 Ohio Lantern Co. (Dash  
 Board; Railway; Tubular)  
 B

OHIO—Warren  
 Winfield Mfg. Co. (Tubu-  
 lar) .....A

PA.—Philadelphia  
 Gaumer Co., Jno. L. (Hang-  
 ing Hall) .....C  
 Kerstone Lantern Co., Real  
 Est. Bldg. (Railway)...D  
 Klemm & Co., 132 N. 5th  
 (Gas) .....C  
 Roberts Mfg. Co., 3011  
 Chestnut (Railway) ...C

W. VA.—Wheeling  
 Wheeling Stamping Co.  
 (Tubular) .....A

WIS.—Kenosha  
 Badger Brass Mfg. Co.  
 (Dark; Magic) .....C

WIS.—Milwaukee  
 Loeffelholz & Co., 170 Clin-  
 ton (Railway) .....A

## LAPBOARDS

See Boards

## LAPPERS

See also Machinery

**MASS.—Boston**  
 Leigh, Evan A., Mason  
 Bldg. (Cotton) .....B  
**MASS.—Lowell**  
 Kitson Machine Co. (Cot-  
 ton) .....AAA  
**MASS.—Taunton**  
 Mason Machine Wks. (Cot-  
 ton) .....AA  
**MASS.—Whitinsville**  
 Whitin Machine Wks. (Cot-  
 ton) .....AAAA  
**PA.—Philadelphia**  
 Philadelphia Textile Machy.  
 Co., Hancock & Somerset  
 (Cotton) .....AA  
**R. I.—Pawtucket**  
 Atherton Machine Co., A.  
 T. (Cotton) .....B  
 Howard & Bullough Ameri-  
 can Machine Co. (Cotton)  
 ....AAA

## LAPS

**N. J.—Jersey City**  
 Williams & Son, E. A.  
 (Jewelers'; Metal) ....AA

## LARD

**CAL.—San Francisco**  
 Armour Packing Co., 211  
 Clay .....AAAA  
 Cudahy Packing Co., 513  
 Front .....AAAA  
 Dodge, Sweeney & Co., 114  
 Market .....AAA  
 Western Meat Co., 6th and  
 Townsend .....AAAA  
**COLO.—Pueblo**  
 Nuckols' Packing Co. ....A  
**GA.—Macon**  
 Mc Caw Mfg. Co. ....AAA  
**ILL.—Alton**  
 Alton Packing Co. ....A  
**ILL.—Chicago**  
 Anglo-Am. Prov. Co., B. of  
 T. Bldg. ....A  
 Armour & Co., 205 La Salle  
 ....AAAA  
 Fairbank Co., N. K. ....AAAA  
 Friedman Mfg. Co., Union  
 Stock Yards .....A  
 Jenkins & Co., G. R., 12  
 Franklin (Oil) .....A  
 Nelson Morris & Co. ....AAAA  
 Swift & Co., Union Stock  
 Yards .....AAAA  
**IND.—Hammond**  
 Hammond Co., G. H. ....AAAA  
 Kingan & Co. ....AAAA  
**IND.—Jeffersonville**  
 Pfau & Son, G. ....A  
**IOWA.—Cedar Rapids**  
 Sinclair & Co., T. M. ....AAAA  
**IOWA.—Ottumwa**  
 Morrell & Co., Jno. ....AAAA  
**KY.—Louisville**  
 Louisville Packing Co., 1318  
 Story Av. ....AAA  
**MD.—Baltimore**  
 Kingan Prov. Co., 335  
 North .....AAAA  
**MASS.—Boston**  
 North Pack. & Prov. Co., 33  
 N. Mk't .....AAAA  
 Squire & Co., Jno. P., 39  
 N. Mk't .....AAAA  
**MASS.—Lowell**  
 Dexter, S. K. ....A  
**MASS.—Springfield**  
 Springfield Prov. Co.  
 (Brightwood) .....AA  
**MINN.—Minneapolis**  
 Swift & Co., 215 N. 5th  
 ....AAAA  
**MO.—Kansas City**  
 Dold Packing Co., Jacob  
 ....AAAA  
**MO.—St. Joseph**  
 Krug Packing Co., H. ....AA  
 Nelson Morris & Co. ....AAAA  
 Swift & Co. (Br.) ....AAAA  
**MO.—St. Louis**  
 Fairbank Co., N. K., 3d &

## LARD (Con.)

Convent .....AAAA  
 Sayers & Co., Hy. Cham.  
 of Com. ....A  
**NEBR.—South Omaha**  
 Cudahy Packing Co. ....AAAA  
 Union Rend. & Ref. Co.  
 (Ltd.) .....A  
**N. J.—Jersey City**  
 Central Lard (Br. N. Y.  
 City) .....AA  
**N. Y.—Brooklyn**  
 Stutz & Sons, L., 817 B'way  
 .....C  
**N. Y.—Buffalo**  
 Danahy Packing Co., Met-  
 calf & Clinton .....A  
 Kamman Bros., 759 Seneca  
 .....B  
 Klinck Bros., 588 Howard  
 .....B  
 Klinck, C., 101 E. Market  
 .....AA  
 Weppners' Sons, A., La. &  
 Elk .....B  
**New York City**  
 Central Lard Co., Produce  
 Exchange .....AA  
 Cooke Bros., 138 Front. ....B  
 Fairbank Co., N. K., 27  
 Beaver .....AAAA  
 Nelson Morris & Co., 23  
 13th Av. ....AAAA  
 North Pack & Prov. Co.,  
 (Br.) Produce Exchange  
 ....AAAA  
 Rohe & Bro., Produce  
 Exchange .....AAA  
 Wilcox Lard & Ref. Co., W.  
 J., 27 Beaver .....AA  
**N. Y.—Syracuse**  
 Nelson Morris & Co., (Br.)  
 ....AAAA  
**OHIO.—Cincinnati**  
 Burckhardt & Co., 323  
 Sycamore .....AA  
 Morrison & Co., Thos., Bk.  
 & Winchell Av. ....AA  
 Perin Bros., 14 E. Front. ....O  
**PA.—Philadelphia**  
 Burk & Bro., Wm., 1210 N.  
 3d .....AA  
 Fairbank Co., N. K.,  
 Bourse Bldg. ....AAAA  
 Michener & Co., J. H. ....AA  
 Warthman & Co., 705 Cal-  
 lowhill .....A  
**PA.—Pittsburg**  
 Dalzell Son & Co., J. ....O  
**PA.—Pottsville**  
 Ulmer Packing Co., Jacob  
 .....A  
**TEXAS.—Ft. Worth**  
 Ft. Worth Packing & Prov.  
 Co. ....AA

## LARIATS

See Saddlery & Harness

**ILL.—Chicago**  
 Chicago Rawhide Mfg. Co.  
 (Rawhide) .....A  
**KY.—Louisville**  
 Louisville Girth & Blanket  
 Co. (Hair) .....O  
**MASS.—Boston**  
 Samson Cordage Wks.  
 (Cotton; Linen) .....A  
 Silver Lake Co. ....A  
**MO.—St. Louis**  
 Leschen & Sons Rope Co., A.  
 ....AAA  
**New York City**  
 Abercrombie & Fitch Co.,  
 314 B'way .....B  
**N. Y.—Watervliet**  
 Covert Mfg. Co. ....A

## LARRIES

**PA.—Connellsville**  
 Connellsville Machine & Car  
 Co. ....A  
**W. VA.—Fairmont**  
 Helmick Fdy. & Machine  
 Co. (Charging) .....D

## LARYN- GOSCOPES

**PA.—Philadelphia**  
 Boekel & Co., Wm., 578

**LARYN-GOSCOPIES Con.**  
 Vine .....A  
 White Dental Mfg. Co., S.  
 S. (Electric).....AAAA

## LASHES

**CONN.—Torrington**  
 Union Hdw. Co. (Hound) AA  
**ILL.—Chicago**  
 Brown, H., 759 Elston Av.  
 (Coach) .....E  
**MASS.—Westfield**  
 Amer. Whip Co. (Whip) AAA  
 Avery & Son, F. H. (Whip) O  
 Bay State Whip Co. (Whip) AAA  
 Hassler, C. W. (Whip) ..H  
 Sanford Whip Co. (Whip) AAA  
 Schmidt & Co., J. C. (Whip) D  
**N. Y.—Rochester**  
 Woodbury Whip Co. (Whip) A  
**N. Y.—Windsor**  
 Coburn Whip Co. (Whip) AAA  
**W. VA.—Moundsville**  
 Bardall Co., J. C. (Whip) B

## LASSOES

**MASS.—Boston**  
 Samson Cordage Wks.  
 (Cotton) .....A  
**MASS.—Newtonville**  
 Silver Lake Co. ....A

## LASTS

**ILL.—Chicago**  
 Chicago Last & Die Co.  
 (Boot; Shoe).....B  
 Van Pelt, Geo. H. (Boot;  
 Shoe) .....C  
**IND.—New Albany**  
 Hegewald Co., Chas. (Boot;  
 Shoe) .....B  
**IOWA—Dubuque**  
 Adams Co., (Shoe; Lap) ..A  
**MASS.—Boston**  
 Boston Last Co. (Boot;  
 Shoe) .....D  
**MASS.—Haverhill**  
 Blake Last Co. (Boot;  
 Shoe) .....D  
**MASS.—Malden**  
 Cox Last Co., Geo. P. (Boot;  
 Shoe) .....C  
 Middlesex Last Co. (Boot;  
 Shoe) .....F  
**MASS.—South Framingham**  
 Auburn Last Co. (Boot;  
 Shoe) .....D  
**MASS.—Worcester**  
 Golbert Co., R. L. (Boot;  
 Shoe) .....D  
 Porter & Co., S. (Boot;  
 Shoe) .....C  
**MO.—St. Louis**  
 Kupferle, Jno. C.  
 (Shoe; Lap) .....AA  
 Pleunger & Henger Mfg. Co.  
 (Shoe) .....A  
**N. J.—Newark**  
 Sacks' Iron Foundry, Louis  
 (Shoe; Lap) .....A  
**N. Y.—Buffalo**  
 Buffalo Last Wks. (Boot;  
 Shoe) .....B  
**OHIO—Dayton**  
 Crawford, McGregor & Can-  
 by Co. (Boot; Shoe) ..AA  
**OHIO—Plymouth**  
 Root Bros. Co. (Boot; Shoe) B  
**TENN.—South Pittsburg**  
 Blacklock Foundry (Shoe) C  
**WIS.—South Milwaukee**  
 Stowell Mfg. & Fdy. Co.  
 (Shoe; Lap) .....A

## LATCHES

**CONN.—New Britain**  
 Union Mfg. Co. (Gate) ..AA  
**CONN.—New Haven**  
 Mallory, Wheeler Co.  
 (Cupboard) .....AA

**LATCHES (Con.)**  
**CONN.—Stamford**  
 Yale & Towne Mfg. Co.  
 (Night; Gate).....AAAA  
**ILL.—Aurora**  
 Richards Mfg. Co. (Thumb) B  
 Wilcox Mfg. Co. (Steel Fire  
 Door; Steel Gate; Sliding  
 Door) .....B  
**ILL.—Chicago**  
 Chicago Spring Butt Co.  
 (Thumb) .....B  
 Hine-Watt Mfg. Co.  
 (Refrigerator) .....D  
**ILL.—Freeport**  
 Arcade Mfg. Co. (Barn  
 Door) .....A  
 Stover Mfg. Co. (Barn Door;  
 Fire Door; Cupboard;  
 Door; Knob; Gate)....AA  
**ILL.—Harvard**  
 Hunt, Helm, Ferris Co.  
 (Barn Door).....AA  
**IND.—Anderson**  
 Buckeye Mfg. Co. (Door) AA  
**IOWA—Fairfield**  
 Loudon Machinery Co.  
 (Sliding Door) .....C  
**IOWA—Lyons**  
 Lyons Specialty Co. (Barn  
 Door) .....B  
**MASS.—Greenfield**  
 Automatic Machine Co.  
 (Speed) .....C  
**MICH.—Grand Rapids**  
 Hardware Supply Co.  
 (Thumb) .....X  
**MO.—St. Louis**  
 Carondelet Fdy. Co. (Gate) A  
 Kupferle, Jno. C., 2nd &  
 Mound (Gate).....AA  
 Pleunger & Henger Mfg. Co.  
 (Gate; Thumb).....A  
**N. J.—Newark**  
 Romer & Co. (Night)....C  
**N. Y.—Brooklyn**  
 Bohannon, Wilson, 760 Lex-  
 ington Av. (Night) .....C  
**N. Y.—Elmira**  
 Cronk & Carrier Mfg. Co.  
 (All Steel Sliding Door;  
 Cupboard; Door; Gate;  
 Knob; Night; Refrigera-  
 tor) .....B  
**N. Y.—Horseheads**  
 Weller Hdw. & Fdy. Co.  
 (Gate) .....D  
**New York City**  
 Peck, Stow & Wilcox Co.  
 (Gate; Thumb) .....AAA  
 Russell & Erwin Mfg. Co.  
 Elevator Door; Night;  
 Refrigerator; Thumb;  
 Water Closet) ....AAAA  
 Sargent & Co. (Elevator  
 Door; Gate; Night; Re-  
 frigerator; Thumb; Water  
 Closet) .....AAAA  
 Tiebout, W. & J., 118 Cham-  
 bers (Ship).....B  
 Tower & Lyon (Rim;  
 Night) .....B  
**N. Y.—Poughkeepsie**  
 Lane Bros. Co. (Sliding  
 Door) .....A  
**N. Y.—Rochester**  
 Sargent & Greenleaf Co.  
 (Night; Sliding Door) AA  
**OHIO—Canton**  
 Ney Mfg. Co. (Thumb) ..B  
**OHIO—Cincinnati**  
 Morris Fdy. Co., Jno. B.  
 (Gate) .....A  
**OHIO—Cleveland**  
 Taylor & Boggis Fdy. Co.  
 (Refrigerator) .....AA  
**OHIO—Dayton**  
 Dayton Supply Co. (Non-  
 Pickable Night).....A  
**PA.—Lancaster**  
 Slaymaker, S. R. (Fire  
 Door; Night).....A  
**PA.—Philadelphia**  
 Miller Lock Co., Frankford  
 (Night) .....B  
**PA.—Reading**  
 Penn. Hdw. Co. (Barn Door;  
 Gate; Night; Sliding Door;  
 Thumb; Cupboard)....AA  
 Reading Hdw. Co. (Eleva-

**LATCHES (Con.)**

tor Door; Gate; Night;  
Refrigerator; Thumb;  
Water Closet).....AAAA  
**PA.—Wrightsville**  
Susquehanna Castings Co.  
(Gate) .....AA  
Wrightsville Hdw. Co. (Re-  
versible and Self Closing  
Barn Door; Fire Door;  
Gate; Thumb).....B  
**R. I.—Providence**  
New England Butt. Co.  
(Gate) .....AA  
**WIS.—Albany**  
Albany Hdw. Specialty  
Mfg. Co. (Steel).....F  
**WIS.—Racine**  
Racine General Mfg. Co.  
(Gate) .....E  
**WIS.—South Milwaukee**  
Stowell Mfg. & Fdy. Co.  
(Elevator Door; Thumb)A

**LATH**

See also Lumber; Lathing.

**ILL.—Chicago**  
Barbee Wire & Iron Wks.,  
44 Dearborn (Wire).....B  
Imperial Expanded Metal  
Co., Monadnock Bldg. (Ex-  
panded Metal).....D  
Northwestern Expanded  
Metal Co., Old Colony  
Bldg. (Expanded Metal;  
Steel Metal).....B  
Smith Wire & Iron Wks.,  
F. P., 100 Lake (Wire).....AA  
Voss, Frederik, 617 to 621  
Austin Av. (Wire).....B  
**MASS.—Boston**  
Eastern Expanded Metal  
Co., 101 Tremont (Expan-  
de Metal).....A  
**MASS.—Clinton**  
Clinton Wire Cloth Co.,  
(Wire) .....AAA  
**MASS.—Worcester**  
Wright Wire Co., (Wire) .....AA  
**MICH.—Detroit**  
Michigan Wire Cloth Co.,  
900 Howard (Wire)...AA  
**MO.—St. Louis**  
Leschen & Sons Rope Co., A  
(Yarn) .....AAA  
St. Louis Expanded Metal  
Fireproofing Co., Century  
Bldg. (Expanded Metal) .....B  
Stockhoff Supply Co., 432  
S. 12th (Metal).....E  
**New York City**  
De Witt Wire Cloth Co., 17  
Warren (Wire).....A  
Gilbert & Bennett Mfg. Co.,  
42 Cliff (Wire).....AAA  
Hayes Co., 71 8th Av.  
(Metal) .....B  
Howard & Morse (Wire)...D  
Roehling Construction Co.,  
121 Liberty (Metal; Wire) .....B  
**OHIO—Cambridge**  
Cambridge Roofing Co.  
(Metal) .....B  
**OHIO—Canton**  
Berger Mfg. Co (Metal).AA  
**OHIO—Cleveland**  
National Concrete Fireproof-  
ing Co., New England  
Bldg. (Expanded Metal) .....C  
Tyler Co., W. S., 1150 St.  
Clair (Wire).....AAAA  
**OHIO—Niles**  
Bostwick Steel Lath Co.  
(Metal) .....C  
Sykes Metal Lath & Roofing  
Co., (Metal).....B  
**OHIO—Xenia**  
Kelly Co., R. A. (Tarred  
Sisal) .....A  
**OHIO—Youngstown**  
General Fireproofing Co.,  
(Herringbone Metal)...AA  
Youngstown Iron & Steel  
Roofing Co., (Sheet Metal;  
Expanded Metal).....AA

**LATH (Con.)**

**PA.—Philadelphia**  
Derby & Sons, Edw. (Wire) .....A  
**Gara, Mc Ginley & Co.**  
(Metal) .....A  
Merritt & Co., 1024 Ridge  
Av. (Expanded Metal)..B  
**PA.—Pittsburg**  
Amer. Sheet & Tin Plate  
Co., (Corrugated Expan-  
ded Metal; Sheet Metal) .....AAAA  
**Budke Mfg. Co. (Sheet**  
Metal) .....B  
Canonsburg Iron & Steel  
Co., 421 Wood (Metal).B  
**VT.—Burlington**  
Burlington Venetian Blind  
(Venetian Blind).....A  
**W. VA.—Wheeling**  
Wheeling Corrugating Co.  
(Metal) .....AAAA

**LATHES**

See also Machinery; Tools.

**CAL.—San Francisco**  
Pacific Tank Co. (Zinc, for  
Cutting Zinc Shavings).A  
San Francisco Tool Wks.  
(Engine) .....E  
**CONN.—Bridgeport**  
Armstrong Mfg. Co. (Axle) .....A  
Automatic Machine Co.,  
(Screw Cutting, for  
Worms and Screws;  
Speed) .....B  
Bridgeport Safety Emery  
Wheel Co., (Strapping).F  
Bullard Machine Tool Co.  
(Engine; Screw Cutting;  
Turret; Brass Finishing;  
Chuckling; Special)...AA  
Springfield Mfg. Co. (Grind-  
ing; Strapping; Buffing) .....B  
**CONN.—Danbury**  
Turner Machine Co. (Hat  
Velouring) .....A  
**CONN.—East Hampton**  
Brown & Co., H. B. (Nut  
Tapping) .....E  
**CONN.—Hartford**  
Dwight State Machine Co.  
(Bench; Special) .....B  
Fenn-Sadler Machine Co.  
(Bench) .....E  
Pratt & Whitney Co.  
(Bench; Brass Finished;  
Chuckling; Cutting-Off;  
Engine; Grinding; Gun  
Turning; Boring; Hand;  
Turret; Combination; Pul-  
ley Turning; Special;  
Spinning; Patternmakers) .....AAAA  
Sigourney Tool Co. (Hand) .....A  
**CONN.—Meriden**  
Meriden Machine Tool Co.  
(Spinning; Turret; Gauge) .....X  
Merriman, A. H., (Spin-  
ning) .....C  
**CONN.—New Haven**  
New Haven Mfg. Co.  
Chuckling; Engine; Pat-  
ternmakers'; Pulley Turn-  
ing; Screw Cutting; Tur-  
ret; Wood Working; Axle  
Foot Power; Hand; Pul-  
ley Boring; Special;  
Wood Turning) .....AA  
**CONN.—Norwich**  
Rogers & Co., C. B. (Pat-  
ternmakers'; Wood Turn-  
ing; Gauge; Bedding) .....AAAA  
**CONN.—Torrington**  
Hendey Machine Co. (En-  
gine; Screw Cutting; Tur-  
ret; Bench; Brass Finish-  
ing; Cutting-Off; Hand) .....AA  
**CONN.—Waterbury**  
Cross & Speirs Machine Co.  
(Brass Finishers; Hand;  
Spinning; Trimming; Tur-  
ret, for Small Screws;  
Tapping Nuts, &c.)....X

**LATHES (Con.)**  
 Manville Machine Co., E. J.  
 (Spinning; Trimming)...O  
 Waterbury Farrell Fdy. &  
 Machine Co. (Knurling;  
 Spinning; Burnishing;  
 Buffing) .....AA  
**DEL.—Wilmington**  
 Betts Machine Co. (Car;  
 Driving Wheel; Axle;  
 Special) .....AA  
**ILL.—Cairo**  
 Reed, Jas. B. (Screw Cut-  
 ting Engine) .....B  
**ILL.—Chicago**  
 Hardinge Bros., 1036 Lin-  
 coln Av. (Watchmakers')  
 B  
 Marshall & Huschart Mch.  
 Co., 62 S. Canal (Mfrs.  
 Agts.; Engines) .....A  
 Pringle & Brodie Mchry. Co.,  
 277 S. Canal (Handle  
 Turning; Variety Turning;  
 Back Knife Woodworking)  
 D  
**ILL.—Elgin**  
 Moseley Lathe Co. (Jewel-  
 ers'; Watchmakers')...D  
**ILL.—Moline**  
 Moline Tool Co. (Speed)...E  
**ILL.—Rockford**  
 Barnes Co., B. F. (Engine;  
 Foot Power; Screw Cut-  
 ting) .....B  
 Barnes Co., W. F. & Jno.  
 (Engine; Foot Power;  
 Foot; Power Hand; Screw  
 Cutting; Wood Working;  
 Amateur; Irregular Forms  
 Turning) .....AA  
**IOWA—Dubuque**  
 Davis, Geo. E. (Gauge) E  
**KY.—Covington**  
 Sebastian Lathe Co. (En-  
 gine; Foot Power; Foot  
 Screw Cutting; Speed;  
 Turret; Wood Working;  
 Wood Turning) .....B  
**MAINE—Dexter**  
 Fay & Scott (Engine;  
 Gauge; Patternmakers';  
 Screw Cutting; Speed;  
 Turret; Wood Working;  
 Drill; Wood Turning)...C  
**MD.—Baltimore**  
 Detrick & Harvey Machine  
 Co., 508 E. Preston (En-  
 gine; Screw Cutting) AA  
**MASS.—Athol**  
 Richardson - Oliver Co.  
 (Hand, for Light Work) E  
**MASS.—Boston**  
 Amer. Tool & Machine Co.,  
 109 Beach (Brass Finish-  
 ers' Turret; Drill)...AA  
 Cutter-Tower Co., 68 Pearl  
 (Strapping) .....B  
 Faneuil Watch Tool Co., 1  
 Brooks (Bench; Precision;  
 Watchmakers'; Jewelers')  
 B  
 Hill, Clarke & Co. Engine;  
 Hand; Speed) .....A  
 Holtzer-Cabot Electric Co.  
 (Jewelers) .....A  
 Welch & Co., T. F., 65  
 Sudbury (Bench) .....D  
**MASS.—Brockton**  
 Kimball Bros. & Sprague  
 (Block; Turning Last; Ir-  
 regular Forms Turning;  
 Golf Club Turning)...B  
**MASS.—Everett**  
 Blount & Co., J. G. (Speed)  
 D  
**MASS.—Fitchburg**  
 Cowdry Machine Wks., C.  
 H. (Variety Turning)...D  
 Fitchburg Machine Works  
 (Chucking; Engine;  
 Hand; Patternmakers';  
 Screw Cutting; Shaft  
 Turning; Speed; Axle;  
 Drill; Gap; Special)...B  
 Putnam Machine Co. (Axle  
 Turning; Car; Driving  
 Wheel; Cutting-Off; En-  
 gine; Marble Turning;  
 Patternmakers'; Pulley  
 Turning; Gap; Grinding;  
**LATHES (Con.)**  
 Variety) .....A  
 Weymouth & Co., A. D.  
 Handle Turning; Variety  
 Turning; Wood Working) X  
 Wilder, Chas. W. Auger;  
 Paint Brush File Handle  
 Turning; Variety Turning) E  
**MASS.—Greenfield**  
 Automatic Machine Co.  
 (Screw Cutting; Speed) O  
 Massachusetts Tool Co.  
 (Bench; Precision) .....C  
 Wells Bros. Co. (Foot  
 Power; Speed; Screw  
 Cutting) .....A  
**MASS.—Holyoke**  
 Goddard Machine Co. (En-  
 gine; Screw Cutting)...X  
**MASS.—Lowell**  
 Carey, W. W. (Wood Work-  
 ing) .....B  
 Fifield, Geo. W. (Engine,  
 17 to 84 inch Swing)...AA  
 Perkins Co., F. S. (Screw  
 Cutting) .....B  
**MASS.—Millers' Falls**  
 Millers' Falls Co. (Amateur)  
 AA  
**MASS.—South Sudbury**  
 Hulburt-Rogers Mach. Co.  
 (Cutting-Off) .....C  
**MASS.—Springfield**  
 Bausch Machine Tool Co.  
 (Speed) .....A  
 Bullock Mfg. Co. (Watch-  
 makers') .....A  
 Waltham Watch Tool Co.  
 (Bench; Watchmakers')  
 B  
**MASS.—Waltham**  
 Amer. Watch Tool Co.  
 (Bench; Screw Cutting)  
 D  
 Stark Tool Co. (Bench)...B  
**MASS.—Winchendon**  
 Goodspeed Machine Co., G.  
 N. (Gauge; Bobbin; Warp  
 Spool) .....E  
 Whitney & Son, Baxter D.  
 (Pattern) .....AA  
**MASS.—Worcester**  
 Blaisdell & Co., P. Chuck-  
 ing; Engine; Hand; Pat-  
 ternmakers'; Screw Cut-  
 ting; Speed; Drill; Special)  
 A  
 Chickering, W. F. (Speed)  
 H  
 Draner Machine Tool Co.  
 (Chucking; Engine; Hand;  
 Screw Cutting; Special)  
 B  
 Fish Machine Wks., H. C.  
 (Screw Cutting; Crank  
 Pin) .....D  
 Kidder, R. E. (Bench;  
 Speed) .....E  
 McMahon & Co. (Screw  
 Cutting; Special) .....E  
 Morgan Construction Co.  
 (Roll Turning) .....A  
 Prentice Bros. Co. (Engine,  
 12-26 inch Swing; Foot  
 Power; Hand; Pulley  
 Turning) .....A  
 Reed Co., Francis (Bolt;  
 Stud; Turret Head Chuck-  
 ing; Engine; Facing;  
 Plain Foot Power; Form-  
 ing; Hand; Wood Work-  
 ing; Brass Finishing;  
 Screw Cutting; Amateur  
 Screw Cutting; Manuel  
 Training) .....A  
 Robbins, L. (Engine; Pat-  
 ternmakers'; Speed)...X  
 Young Mfg. Co., W. C. (En-  
 gine; Foot Power; Hand;  
 Speed; Screw Cutting;  
 Amateur) .....X  
**MICH.—Alpena**  
 Kline, Lewis T. (Broom  
 Handle Turning; Variety  
 Turning) .....D  
**MICH.—Grand Rapids**  
 Amer. Mchry. Co. (J. W.  
 Oliver, Prop.) Pattern-  
 makers'; Wood Working) B  
 Porter, C. O. & A. D. Wood



**LATHES (Con.)**

Working) .....C  
**MICH.—Jackson**  
 Wolcott & Son, Geo. D. (Engine) .....C  
**MICH.—Owosso**  
 Steggall, A. (Wood Working) .....X  
**MICH.—Saginaw**  
 Wickes Bros. (Engine) AAA  
**MICH.—St. Joseph**  
 St. Joseph Iron Wks. (Veneer) .....C  
**N. H.—Dover**  
 White Co., Jno. A. (Wood Working) .....C  
**N. H.—Keene**  
 Humphrey Machine Co. (Spoke; Axe Helve)....C  
**N. H.—Nashua**  
 Flather & Co. (Chuckling; Screw Cutting; Engine; Turret; Drill; Hand; Special; Speed; Spinning)...A  
**N. J.—Belleville**  
 Atlas Fdy. & Machine Co. (Trimming) .....D  
**N. J.—Bridgeton**  
 Ferracute Machine Co. (Spinning) .....A  
**N. J.—Newark**  
 Gould & Eberhardt (Engine; Roll Engraving; Roll Polishing; Roll Turning; Spinning; Special)....A  
 Seymour & Whitlock (Handle Turning) .....B  
**N. J.—Paterson**  
 Royle & Sons (Inc.), Jno. (Photo-Engravers'; Facing) .....A  
**N. J.—Plainfield**  
 Pond Machine Tool Co. (Axe; Cutting-Off; Driving Wheel; Engine; Hand) .....AAAA  
**N. J.—Smithville**  
 Smith Machine Co., H. B. (Automatic Gauge; Handle Turning; Wood Working; Wood Turning; Bedding) A  
**N. Y.—Brooklyn**  
 Bliss Co., E. W., 19 Adams (Engine; Spinning) AAAA  
**Hibbard Mfg. Co., Wm. H.,**  
 79 Washington (Spinning; Trimming) .....C  
**Houchin & Huber, 35 53rd**  
 (Handle Turning) .....D  
**Leffler & Co., Chas., 63**  
 Clymer (Trimming)....C  
**N. Y.—Buffalo**  
 Buffalo Dental Mfg. Co. (Dental) .....B  
**Frank Mch. Co., 50 Mechanic**  
 Patternmakers'; Wood Working; Wood Turning) .....C  
**Holmes Mch. Co., E. & B.**  
 (Wood Working; Wood Turning Gauge; Variety) B  
**Niagara Machine & Tool**  
 Wks., Superior & Randall (Spinning) .....A  
**Oliver Mfg. Co., W.W.,**  
 1483 Niagara (Foot; Power Hand; Jewelers' Speed; Speed; Bench) C  
**N. Y.—Herkimer**  
 Quackenbush, H. M. (Foot Power; Amateur)....A  
**N. Y.—Lockport**  
 Merritt Mfg. Co., I. E. (Pulley Boring; Pulley Turning; Gauge) .....D  
**Trevor Mfg. Co. (Gauge;**  
 Handle Turning; Spoke; Axe Helve; Treenall; Wood Working; Wood Turning) .....B  
**N. Y.—Malone**  
 Hinds, Thomas (Marble Turning) .....D  
**N. Y.—Mt. Morris**  
 Empire Machine Wks. (Handle Turning)....E  
**New York City**  
 Amer. Woodworking Mach. Co., 186 Liberty (Gauge;

**LATHES (Con.)**

Handle Turning; Pattern-makers'; Wood Working; Wood Turning) ...AAAA  
**Consolidated Dental Mfg.**  
 Co. (Dental) .....B  
**Fairbanks Co., 186 Elm (En-**  
 gine; Hand) .....AAAA  
**Frasse & Co., Peter A., 94**  
 Fulton (Screw Cutting) B  
**Garvin Machine Co., cor.**  
 Varick & Spring (Bench; Chuckling; Engine; Foot Power; Hand; Handle Turning; Speed; Spinning; Turret; Wood Working; Ale; Drill; Screw Cutting; Wood Turning; Jewelers') .....AA  
**McCabe, J. J., 14 Dey (En-**  
 gine; Screw Cutting)...B  
**Manning, Maxwell & Moore,**  
 85 Liberty (Engine; Lever; Screw Feed Speed; Turret) .....AA  
**Niles-Bement-Pond Co., 136**  
 Liberty (Axe Turning; Bench; Bolt; Stud; Brass Finishers'; Car; Driving Wheel; Chuckling; Cutting-Off; Engine; Foot Power; Forming; Gun Turning; Boring; Hand; Pulley Turning; Screw Cutting; Shaft Turning; Speed; Turret Spinning) AAAA  
**Prentiss Tool & Supply Co.,**  
 115 Liberty (Mfrs.-Agts.) (Car; Driving Wheel; Engine; Turret) .....A  
**Prybll, P.- (Est. of) 510**  
 W. 41st (Brass Finishers'; Spinning; Wood Working; Wood Turning; Buffing) .....AA  
**Watson-Stillman Co. (Buff-**  
 ing) .....AA  
**N. Y.—Rochester**  
 Bridgeford, Chas. (Screw Cutting) .....C  
**Davis Machine Co., W. P.**  
 (Bench; Bolt; Stud; Engine; Foot Power; Screw Cutting) .....A  
**Gleason Wks., 10 Browns'**  
 Race (Engine) .....A  
**N. Y.—Seneca Falls**  
 Seneca Falls Mfg. Co. (Engine; Foot; Power Screw Cutting; Foot Power; Foot; Power Hand; Foot Screw Cutting; Speed; Wood Working; Wood Turning; Bedding)....B  
**N. Y.—Waterford**  
 Snyder & Metcalf (Engine; Speed; Turret).....X  
**OHIO—Chagrin Falls**  
 Ober Mfg. Co. (Handle Turning; Spoke; Axe Helve; Variety Turning; Wood Working; Wood Turning) .....C  
**OHIO—Cincinnati**  
 Amer. Tool Wks. Co., 6th & Eggleston Av. (Brass Finishers'; Chuckling; Engine; Hand; Pulley Turning; Screw Cutting; Shaft Turning; Speed; Turret) AA  
**Barker & Co., Wm., Pioneer**  
 & Calvert (Chuckling; Engine; Screw Cutting)...E  
**Bradford Machine Tool Co.**  
 (Engine, 14 to 36 inch Swing; Screw Cutting; Turret) .....A  
**Cordesman Machine Co., 25**  
 Butler (Wood Working; Wood Turning) .....X  
**Cordesman, Meyer & Co., 53**  
 Central Av. (Wood Working; Wood Turning)...B  
**Dietz Machine Tool Co.,**  
 Garrard Av. & Blam (Engine; Motor) .....C  
**Dresses Machine Tool Co.**  
 (Brass Finishers'; Forming; Hand; Turret)...AA  
**Fay, J. A. Egan Co., cor.**  
 Front & John (Gauge;

**LATHES (Con.)**

Handle Turning; Spoke;  
Axe Helve; Wood Work-  
ing; Wood Turning; Pat-  
ternmakers'; Variety)

AAAA

Gray Co., G. A., Gest & De-  
pot (Engine) .....AA

Greaves, Klusman & Co.,  
Cor. Cook & Alfred (En-  
gine; Patternmakers';  
Screw Cutting; Spinning;  
Wood Working) .....B

Le Blond Machine Tool Co.,  
R. K., 4600 Eastern Av.  
(Engine; Screw Cutting) .....A

Lodge & Shipley Machine  
Tool Co., 3055 Colerain  
Av. (Chucking; Engine;  
Screw Cutting; Turret;  
Axle; Brass Finishing;  
Pulley Boring; Speed;  
Pulley Turning; Foot  
Power; Wood Turning) .....AA

Bahn-Mayer-Carpenter Co.,  
Sprg. Grove & Garrard Av.  
(Engine; Turret) .....B

Schumacher & Boye, Buck  
& Queen City Av. (En-  
gine; Roughing; Turret) .....A

Shepard Lathe Co., 129 W.  
2nd (Engine; Foot  
Power; Turret Foot  
Power) .....F

Silk Machine Tool Co., 419  
E. 2nd (Engine; Turret) .....X

Streit Machine Co., A. (En-  
gine; Pulley Turning; Tur-  
ret) .....D

**OHIO—Cleveland**

Bardons & Oliver, Case Av.  
& Hamilton (Brass Fin-  
ishers' Turret) .....B

Cleveland Automatic Mach.  
Co., 131 2nd Av. (Brass  
Finishers') .....AAA

Grant, Peter (Hand).....H

Lane Tool Co., 1196 Hamil-  
ton (Engine) .....D

Warner & Swasey Co., 57 E.  
Prospect (Brass Finish-  
ers'; Hand; Speed; Turret,  
all kinds) .....A

**OHIO—Dayton**

Miami Valley Machine Tool  
Co. (Engine, 13½ inch) A

**OHIO—Defiance**

Defiance Machine Wks.  
(Axle Turning; Handle  
Turning, also Automatic;  
Spoke; Axe Helve; Wood  
Working; Neck Yoke; Va-  
riety; Hub) .....A

**OHIO—Ghent**

Purdy Machine Co. (Foot  
Power, 9 to 10 Swing;  
Patternmakers'; Wood  
Working) .....X

**OHIO—Hamilton**

Bentel & Mergedant Co.  
(Handle Turning; Spoke;  
Axe Helve; Spokes;  
Handles Wood Working) .....A

Hamilton Machine Tool Co.  
(Engine; Screw Cutting) .....A

Niles Tool Wks. Co. (Axle  
Car Wheel; Driving  
Wheel; Engine; Pulley  
Turning; Screw Cutting;  
Shafting; Special) AAAA

**OHIO—Salem**

Silver Mfg. Co. (Handle  
Turning) .....AA

**—Sandusky**

Klotz Machine Co. (Handle  
Turning; Spoke; Axe  
Helve) .....O

**OHIO—Shelby**

Brightman Mfg. Co. (Shaft  
Turning) .....AA

**OHIO—Springfield**

Springfield Machine Tool Co.  
(Brass Finishers'; Chuck-  
ing; Engine, 14, 18 & 24  
inches; Shaft Turning;  
Strapping Turret) ....A

**LATHES (Con.)****PA.—Allentown**

Pittsburg Machine Tool Co.  
(Engine; Screw Cutting;  
Winding) .....A

**PA.—Chambersburg**

Woods' Sons, T. B. (Pulley  
Turning) .....A

**PA.—Monroeton**

Booth & Co., O. N. (Variety  
and Turning; Hand;  
Broom Handle) .....D

**PA.—Philadelphia**

Atlantic Wks. (Inc.), 23rd  
& Arch (Patternmakers';  
Wood Working).....B

Bagshaw & Field, 317 Cherry  
(Engine; Foot Power).....B

Bement, Niles & Co. Axle;  
Cutting - Off; Driving  
Wheel; Engine Carwheel;  
Pulley Turning; Roll  
Turning; Screw Cutting;  
Special) .....AAAA

Ellison Bros., 2213 Bridge  
(Marble Turning) .....D

Harrington & Son Co.,  
Edwin, 15th & Penn. En-  
gine; Screw Cutting) AA

Johnson, Jr. & Co., Israel  
H., 1434 Callowhill (Axle  
Edwin, 15th & Penn. (En-  
gine; Gun Turning; Bor-  
ing; Hand; Screw Cutt-  
ing; Shaft Turning; Tur-  
ret) .....A

Johnson & Lund (Dental) .....AA

Phila. Roll & Machine Co.,  
S. 23d & Washington Av.  
(Gun Turning; Boring;  
Roll Turning) .....A

Power & Co., L., 20 S. 23d  
(Wood Working) .....A

Sellers & Co., W. (Inc.),  
1600 Hamilton (Axle  
Turning; Double Head;  
Car; Driving Wheel; En-  
gine; Gun Turning; Pulley  
Turning; Shaft Turning;  
Gap; Screw Cutting; Special;  
Turret) .....AAAA

ing; Pulley Turning;  
Shaft Turning; Gap;  
Screw Cutting; Special;  
Turret) .....AAAA

White Dental Mfg. Co. S.  
S. (Dental) .....AAAA

**PA.—Pittsburg**

Baird Mch. Co., U. (Mfrs.  
Agts., Turret) .....B

Hogg Iron & Steel Fdy. Co.,  
Geo. A., 24th & R. R.  
(Roll Turning) .....A

Lewis Fdy. & Machine Co.  
(Rolling Turning) .....A

Mesta Machine Co., Lewis  
Blk. (Roll Turning) .....AAAA

Phillips & McLaren, 24th &  
Smallman (Roll Turning) .....B

Scaife Fdy. & Machine Co.  
(Roll Turning) .....B

Sommerfeld Mach. & Mfg.  
Co., 224 3d Av. (Winding) .....B

Tretheway & Co., Samuel  
(Roll Turning) .....F

United Engineering & Fdy.  
Co., 58th & A. V. R. R.  
(Roll Turning; Roughing) .....AAAA

**PA.—Ridgeway**

Ridgeway Machine Tool Co.  
(Engine) .....A

**PA.—Williamsport**

United States Machine Co.  
(Wood Working) .....D

**R. I.—Pawtucket**

Potter & Johnston Machine  
Co. (Double Turret Mfg.) .....A

**R. I.—Providence**

Brown & Sharpe Mfg. Co.  
(Hand; Engine; Special) .....AAA

Diamond Machine Co.  
Bench; Engine; Hand;  
Special; Drill; Spinning) B

Mann, Chas. A., 166 Doyle  
Av. (Engine; Foot Power;  
Hand; Screw Cutting) ..D

**LATHES (Con.)**

Narragansett Machine Co.  
(Foot Power) .....A  
VT.—Barre  
Whitcomb Bros. (Granite  
Column) .....X  
VT.—Rutland  
Lincoln Iron Wks. (Marble  
Turning) .....A  
Patch Mfg. Co., F. R.  
(Marble Turning) .....B  
Steam Stonecutter Co.  
(Marble) .....A  
VT.—Springfield  
Gilman & Son (Last; Boot-  
Tree; Gumstock; Hat  
Block) .....D  
Jones & Lamson Machine Co.  
(Chuck; Special; Tur-  
ret) .....AA  
VT.—Windsor  
Windsor Machine Co. (Brass  
Finishers'; Plain Monitors;  
Chuck; Turret) .....X  
W. VA.—Wheeling  
Spears & Riddle (Axle Turn-  
ing) .....D  
WIS.—Madison  
Gisholt Machine Co. (Turret)  
AAA  
WIS.—Milwaukee  
National Machine Co. (Brass  
Finishers'; Pattern-  
makers'; Speed Wood  
Working) .....F

**LATHING**

MASS.—Clinton  
Clinton Wire Cloth Co.  
(Metallic; Wire) ....AAA  
MASS.—Worcester  
Wright Wire Co. (Wire) AA  
MO.—St. Louis  
Ludlow-Saylor Wire Co.  
(Wire) .....AA  
N. J.—Trenton  
New Jersey Wire Cloth Co.  
(Metallic; Wire) .....A  
N. Y.—Buffalo  
Buffalo Wire Wks. Co.  
(Wire) .....A  
New York City  
Gilbert & Bennett Mfg. Co.,  
277 Bway. (Wire) ....AAA  
Hayes Co., Geo., 71 8th Av.  
(Metallic) .....B  
Howard & Morse, 45 Fulton  
(Metallic) .....D  
OHIO—Cambridge  
Cambridge Roofing Co. (Me-  
tallic) .....B  
OHIO—Cleveland  
Tyler Co., W. S. (Wire)  
AAAA  
PA.—Pittsburg  
Canonsburg Iron & Steel Co.  
(Metallic) .....B

**LATTICES**

See Grilles

**LAUNCHES**

See also Boats

CAL.—San Francisco  
Union Iron Wks. (Steam) X  
CONN.—Coscob  
Palmer Bros. (Gasoline) ..C  
CONN.—Stamford  
Stamford Motor Co. (Gas-  
oline) .....D  
ILL.—Chicago  
Marine Iron Wks. (Steam) B  
Willard & Co., Chas. P.  
(Steam) .....D  
IND.—Mishawaka  
Dodge Mfg. Co. ....AAA  
MAINE—Portland  
Stickney, Henry R. (Steam)  
D  
MD.—Baltimore  
Nilson Yacht Building Co.  
(Steam) .....D  
MASS.—Boston  
Clark, Edward S. (Steam) X  
Sheldon Co., Orim (Steam)  
D  
MASS.—Quincy  
Stuart & Co., Jno. (Vapor)  
X

**LAUNCHES (Con.)**

MICH.—Grand Rapids  
Wolverine Motor Wks. (Gas;  
Gasoline) .....B  
MICH.—Montague  
Montague Iron Wks. Co. ..C  
MICH.—St. Joseph  
Truscott Boat Mfg. Co.  
(Steam) .....A  
MINN.—Duluth  
Pearson Boat Construction  
Co. ....B  
N. J.—Bayonne  
Electric Launch Co. (Elec-  
tric) .....D  
N. J.—Gloucester City  
Rogers' Boat, Gauge & Drill  
Wks., Jno. M. ....A  
N. Y.—Canton  
Rushton, J. H. (Gasoline) F  
N. Y.—Long Island City  
Daimler Mfg. Co., 939 Stein-  
way Av. (Electric) .....D  
New York City  
Gas Engine & Power Co. &  
C. L. Seabury & Co.  
(Naphtha) .....AAA  
Marine Engine & Machine  
Co., 1123 B'way .....B  
N. Y. Safety Steam Power  
Co. (Steam) .....B  
N. Y. Yacht, Launch & En-  
gine Co. (Naphtha;  
Steam) .....B  
Smith, Jno. T. (Naphtha) E  
R. I.—Bristol  
Herreshoff Mfg. Co. (Elec-  
tric; Steam) .....A  
WIS.—Green Bay  
Conley, Horace J. (Naphtha)  
F  
WIS.—Racine  
Pierce Engine Co. (Naphtha;  
Steam) .....B

**LAVATORIES**

CONN.—New Haven  
Peck Bros. & Co. (Open)  
AA  
ILL.—Chicago  
Adams & Westlake Co.  
AAAA  
ILL.—Edwardsville  
Illinois Marble Co. (Marble)  
O  
MD.—Baltimore  
Weiskittel & Son, A. (Enam-  
elled Iron, Open) .....A  
MASS.—Boston  
Dalton-Ingersoll Co. ....X  
MO.—St. Louis  
Nelson Mfg. Co., N. O.  
(Open) .....AAA  
New York City  
Bishop Sons, Wm., 205 South  
(Ship) .....D  
Mott Iron Wrks., J. L.  
(Open) .....AA  
OHIO—Mansfield  
Barnes Mfg. Co. (White  
Enameled Iron) .....A  
PA.—Philadelphia  
Cooper Brass Wks., 437 N.  
12th .....B  
McCambridge & Co. (Ltd.)  
525 Cherry (Open) .....B  
Owen & Salter, 12th & But-  
tonwood Sts. (Open) ..A  
PA.—Pittsburg  
Standard Mfg. Co. (Open;  
Enamelled Iron, Open)  
AA  
TENN.—Chattanooga  
Cahill Iron Wrks. (Enamell-  
ed Iron) .....B  
WIS.—Milwaukee  
Rundle Mfg. Co. (Enamell-  
ed Iron) .....C

**LAWNS**

See Cotton Goods

**LAY BOYS**

PA.—Harrisburg  
Hickok Mfg. Co., W. O. ....AA

**LAYERS**

MAINE—Portland  
Androscoggin Pulp Co. (Box;  
Barrel) .....AA

**LAYERS (Con.)**

**MASS.—Boston**  
 Haskell-Dawes Machine Co.,  
 176 Federal .....C  
**M. Y.—Tonawanda**  
 Tonawanda Board & Paper  
 Co. (Barrel) .....AA

**LEAD**

See also Plumbago; Paints

**CAL.—San Francisco**  
 Fuller & Co., W. P. (Red;  
 White) .....AAAA  
 Pacific Oil & Lead Wrks.  
 (Tinted) .....B  
 Selby Smelting & Lead Co.,  
 416 Montgomery (Pipe;  
 Sheet; Pig; Antimonial;  
 Bar; Damper; Key; Shot)  
 AAA

**COLO.—Denver**  
 Bogue Lead Co., 1810 Blake  
 (Pipe; Sheet; Pig) ....C  
 Denver Fire Clay Co. (Gran-  
 ulated) .....AA  
 James Mercantile & Mfg Co.,  
 B. L. (Tinted) .....B

**ILL.—Chicago**  
 Alston Mfg. Co. (Tinted) .A  
 Blatchford & Co., E. W. 70  
 N. Clinton (Pipe; Sheet;  
 Pig; Damper; Keg; Gla-  
 ziers') .....AAAA

Carter White Lead Co., W.  
 21st cor. S. Peoria (White;  
 Red; Tinted) .....AAA  
 Great Western Smelting &  
 Refining Co., 175 W. Kin-  
 sie (Pipe; Sheet; Pig) .A  
 Harrington & King Perfo-  
 rating Co., (Perforated  
 Sheet) .....A  
 Heath & Milligan Mfg. Co.  
 (Tinted; White) .....AAA  
 Picher Lead Co. (Pig) .AA  
 Raymond Lead Co., 57 W.  
 Lake (Pipe; Sheet; Pig)  
 AA

Ryan & Co., J. J., 68 Mon-  
 roe .....C

**LA.—New Orleans**  
 McWilliams (Ltd.), R.  
 (White) .....X

**Maine—Portland**  
 Lang Co., E. M. (Pipe;  
 Sheet; Pig) .....C

**MD.—Baltimore**  
 Robertson Mfg. Co., Jas., 30  
 Hanover (Pipe; Sheet;  
 Pig; Bar) .....A  
 Thomsen Chem. Co. (Acet-  
 ate) .....B

**MASS.—Boston**  
 Chadwick-Boston Lead Co.,  
 162 Congress (Pipe; Sheet;  
 Pig; White; Red; Wedge;  
 Tinted) .....AAA  
 Cochrane Chemical Co.,  
 (Acetate) .....AA  
 Merrimac Chemical Co.  
 (Acetate) .....AA

**MASS.—Holyoke**  
 Holyoke Lead Pipe Co.  
 (Pipe; Sheet; Pig) ....D

**MASS.—South Hanover**  
 Phillips & Sons, E. (Sheet)  
 A

**MASS.—Worcester**  
 Baker Lead Mfg. Co. (Pipe;  
 Sheet; Pig) .....C

**MICH.—Detroit**  
 Acme White Lead & Color  
 Wrks. (White; Tinted)  
 AAA

Detroit Lead Pipe & Sheet  
 Lead Wrks. (Pipe; Sheet;  
 Pig) .....A

Detroit White Lead Wrks.  
 (Red; Tinted; White)  
 AAA

**MO.—Joplin**  
 Picher Lead Co. (Red;  
 White) .....AA

**MO.—St. Louis**  
 Collier Shot Tower Wrks.,  
 819 N. 4th (Pipe; Sheet;  
 Pig) .....AAAA

Hammar Bros. White Lead  
 Co. (White) .....AAAA  
 Hiertz Metal Co., Theo. .D  
 Mound City Paint & Color  
 Co. (White) .....AA  
 Nelson Mfg. Co., N. O., 8th

**LEAD (Con.)**

& St. Charles (Pipe;  
 Sheet; Pig) .....AAA  
 Platt & Thornburgh Paint  
 Co. (White) .....AA  
 Rumsey Mfg. Co., L. M.,  
 812 N. 2d (Pipe; Sheet;  
 Pig) .....AAA

**NEBR.—Lincoln**  
 Lincoln Paint & Color Co.  
 (Tinted) .....A

**NEBR.—Omaha**  
 National Lead Co., 1415  
 Dodge (White; Red;  
 Glassmakers') .....AAAA

**N. J.—Jersey City**  
 Dixon Crucible Co., Jos.  
 (Black) .....AAA  
 Williams & Son, E. A. (Bar;  
 Pig) .....AA  
 Woolsey Paint & Color Co.,  
 C. A. (Tinted) .....A

**N. J.—Newark**  
 Cawley, Clark & Co. (White;  
 Red) .....AA

**N. Y.—Brooklyn**  
 Brooklyn Metal Wrks. (Inc.)  
 4th Av. & Degraw (Pipe;  
 Sheet; Pig) .....D  
 Moore & Co., Benj. (White)  
 AA

Phillips, Jno. B., 78 9th  
 (White; Red) .....X  
 Wiarda & Co., Jno. C.  
 (Glassmakers') .....AA

**N. Y.—Buffalo**  
 Cornell Lead Co. (White)  
 AAAA

Kellogg & McDougall Lin-  
 seed Oil Wrks. (White)  
 AAAA

Shepard & Co., Sidney  
 (Shot) .....AAAA

**New York City**  
 Amer. Metal Co., 52 B'way  
 AAAA

Bruce & Cook, 190 Water  
 (Pipe; Sheet; Pig) .AAA

Columbia Smelting & Refin-  
 ing Wrks., 307 Water  
 (Pipe; Steel; Pig) .AA

Coldwell Lead Co., 63 Centre  
 (Pipe; Sheet; Pig; Shot)  
 AA

Conley Foil Co., 521 W. 25th  
 (Tea) .....AAA

Cooper & Co., Chas., 194  
 Worth (Black) .....A

Davol & Sons, Jno., 100  
 John .....AA  
 Devoe, F. W. & C. T. Ray-  
 nolds Co. (Red; Tinted)  
 AAAA

Du Bois & Co., Fred'k N.,  
 243 9th Av. (Pipe; Sheet;  
 Pig) .....AAA

Hendricks Bros., 49 Cliff  
 AAAA

Kelly & Co., T. P., 544 W.  
 22d (Black) .....C

Lalance & Grosjean Mfg.  
 Co., 19 Cliff (Bar) .AAAA

Lissberger, Marks & Son,  
 397 W. 12th (Pipe; Sheet;  
 Pig) .....B

Longman & Martinez (Red)  
 AAAA

Matheson & Co. (Ltd.), Wm.  
 J., 182 Front (White) .AA

Mayor, Lane & Co., 128  
 White (Pipe; Sheet; Pig)  
 A

Mundt & Sons, Chas., 441  
 Pearl (Perforated Sheet)  
 B

National Lead Co., 100 Wil-  
 liam (Pipe; Sheet; Pig;  
 White; Red) .....AAAA

New Jersey Zinc Co., 11  
 B'way (White; Red) .AA

Pierce Well Engineering &  
 Supply Co. (Damper; Key)  
 D

Read Lead Wrks., H. P.,  
 645 Lexington Av. (Pipe;  
 Sheet; Pig) .....C

Ronalds & Johnson Co., 54  
 Cliff (Pipe; Sheet; Pig)  
 AA

Rutter & Co., Arthur T.,  
 256 B'way .....D  
 Smith & Co., J. Lee, 59  
 Frankfort (English White)  
 AA

**LEAD (Con.)**

Standard Graphite Co., 11  
B'way (Black) .....E  
United Lead Co. (White) .....AAAA  
**N. Y.—Rochester**  
Rochester Lead Wrks.  
(Pipe; Sheet; Pig) ....B  
**N. Y.—Syracuse**  
Pierce, Butler & Pierce Mfg.  
Co. (Pipe; Sheet; Pig) .....AAA  
Syracuse Smelting Wrks.  
(Pig) .....X  
**N. Y.—Utica**  
Miller & Son Co., Chas.  
(Pipe; Sheet; Pig) ...AA  
**OHIO—Cincinnati**  
Crane-Hawley Co. (Pipe;  
Sheet; Pig) .....A  
Eagle White Lead Co. (Red)  
.....AAAA  
Moser & Co., Chas. (White)  
.....AA  
Obermayer Co., S., 647  
Evans (Black; India Sil-  
ver) .....A  
**OHIO—Cleveland**  
Gibson & Price Co., 375 St.  
Clair (Pipe; Sheet; Pig) .....A  
Grasselli Chemical Co., (Ace-  
late) .....AAAA  
Harkshaw, Fuller & Good-  
win Co. (Acetate).....AA  
**PA.—Allegheny**  
Gerdes & Bro., F. W. Grand  
& N. South Aves. (Pipe;  
Sheet; Pig; White; Red) .....A  
Nevin Co., T. H., cor. Is-  
land & Preble Aves.  
(White; Red; Tinted)...A  
**PA.—Philadelphia**  
Fleck Bros. Co., 44 N. 5th  
(Pipe; Sheet; Pig) ....A  
French & Co., Saml. H., 4th  
& Callowhill (White;  
Red) .....A  
Harrison Bros. & Co., 35th,  
cor. Gray's Ferry Rd.  
(White; Red; Tinted) .....AAAA  
Lewis & Bros. Co., John T.,  
231 S. Front (Pipe; Sheet;  
Pig; White; Red).....AAAA  
Lucas & Co., Jno. (Red) .....AAA  
Merchant & Co. ....AA  
North Amer. Smelting Co.,  
9th & Thompson (Pipe;  
Sheet; Pig) .....AA  
Wetherill & Bro., 126 S. 30th  
(White; Red) .....AAA  
Wetherill & Co., Geo. D.  
(White) .....A  
**PA.—Pittsburg**  
Bailey-Farrel Mfg. Co., 619  
Smithfield (Pipe; Sheet;  
Pig) .....AA  
Davis Lead Co., Park Bldg.  
(White; Red; Oxide of) .....A  
Hussey & Co., C. G. (Bar) .....AAA  
National Lead & Oil Co.,  
Second Nat'l Bank Bldg.  
(White; Red; Coachmak-  
ers'; Glassmakers'; Var-  
nishmakers') .....AAAA  
Penna Smelting Co., 331 4th  
Av. (Pipe; Sheet; Pig) .....C  
Standard Sanitary Mfg. Co.,  
Arrott Bldg. (Pipe; Sheet;  
Pig) .....AAAA  
Suydam Co., M. B. (Red).....A  
**PA.—Reading**  
Wilhelm & Co., A. (Red;  
Tinted) .....AA  
**PA.—Sharpsburg**  
Bender & Alldred (White;  
Red) .....B  
**PA.—Williamsport**  
National Paint Wrks. (Red)  
.....B  
**R. I.—Providence**  
Phillips Lead & Supply Co.  
(Pipe; Sheet; Pig) ....C  
Tillinghast Supply Co., L.  
H. (Pipe; Sheet; Pig)...C  
U. S. Gutta Percha Paint  
Co. (White) .....A

**LEAD (Con.)**

S. C.—Charleston  
Charleston Lead Wrks.  
(Pipe; Sheet; Pig) ....B  
**TEXAS—San Antonio**  
Collins Mfg. Co., F. F.  
(Pipe; Sheet; Pig) ...AA

**LEADERS**

See also Leads

**CONN.—New Britain**  
Humason & Beckley Mfg.  
Co. (Cattle) .....A  
**CONN.—Oakville**  
Smith, Seymour & Son (Cat-  
tle) .....D  
**N. Y.—Kenwood**  
Oneida Community (Cattle)  
.....AAA  
**New York City**  
Abbey & Imbrle (Fishing) .....A  
Peck, Stow & Wilcox Co.,  
27 Murray (Cattle).....AAAA  
Plath & Son, Chas. (Fish-  
ing) .....F  
Sargent & Co., 151 Leonard  
(Cattle) .....AAAA  
**N. Y.—Watervliet**  
Covert Mfg. Co. (Cattle) .....A  
**OHIO—Akron**  
Enterprise Mfg. Co (Gut)  
.....A

**LEADS**

See also Leaders

**CONN.—Bridgeport**  
Smith & Egge Mfg. Co.  
(Dog) .....A  
**CONN.—Torrington**  
Union Hdw. Co. (Dog)...AA  
**ILL.—Chicago**  
Barnhart Bros. & Spindler  
(Printers) .....AAA  
**MASS.—Boston**  
Hansen, H. C. (Brass; Prin-  
ters') .....B  
**N. J.—Jersey City**  
Dixon Crucible Co., Jos.  
(Pencil; Lumber Marking)  
.....AAA  
Williams & Son, E. A. (Fish  
Net; Piano) .....AA  
**N. Y.—Brooklyn**  
Wesel Mfg. Co., F. (Brass;  
Printers') .....X  
**N. Y.—New York City**  
Amer. Type Founders' Co.  
(Printers') .....AAAA  
Eagle Pencil Co. (Pencil)  
.....AAA  
Faber Eberhard (Pencil) .....AAA  
Farmer & Son Type Foundry  
Co., A. D. (Brass) ....B  
Lindsay Type F'dry (Brass)  
.....B  
Medford Fancy Goods Co.  
(Dog) .....E  
Sands & Son, Alfred B.  
(Deep Sea Sounding) ..D  
Sargent & Co. (Halter) .....AAAA  
Tiebout, W. & J. (Sounding)  
.....B  
**LEAF**  
**CONN.—Hartford**  
Ney & Co., Jno. M. (Gold)  
.....O  
**N. Y.—Brooklyn**  
Grempler & Son, F. W., 113  
Hopkins (Metal) .....D  
**New York City**  
Conley Foll Co., 521 W. 25th  
(Composition) .....AAA  
Henry, T. J. (Gold) .....F  
Kemp Co., W. H., 165  
Spring (Gold) .....B  
Schultz & Co. (Gold; Sil-  
ver) .....X  
Vallean Mfg. Co. (Gold)...B  
**PA.—Philadelphia**  
Hastings & Co. (Gold)...AA  
Nelms & Son, Henry (Gold)  
.....B  
**R. I.—Providence**  
Coe Mfg. Co., W. H.  
(Aluminum; Composition;  
Silver) .....B

# LEATHER

Sawyer Tanning Co. (Deer-  
CAL.—Napa  
skin).....A  
CAL.—San Francisco  
Brown & Adams (Upper;  
Sole; Harness).....A  
Frank & Co., S. H. ....AAA  
Kron Tanning Co., (Sole).A  
Kreig Tanning Co., A.  
(Sole).....A  
Kullman, Sals & Co. (Oak;  
Sole; Harness; Shirting)  
AAA  
Norton Tanning Co. (Goat;  
Sheep).....B  
Sawyer Tanning Co. (Sheep;  
(Goat).....A  
Windt, Morris (Sole; Har-  
ness; Shirting).....A  
CAL.—Santa Rosa  
Santa Rosa Tanning Co. ..B  
CONN.—Bridgeport  
Bridgeport Patent Leather  
Mfg. Co. ....B  
CONN.—Danielson  
Jacobs Mfg. Co., E. H.  
(Picker).....B  
CONN.—Norwich  
Norwich Belt Mfg. Co.  
(Lace; Pump; Picker) .A  
Ulmer Leather Co. (Lace;  
Pump; Valve).....B  
DEL.—Wilmington  
Beadenkopf., Chas. (Glazed  
Kid; Colors).....B  
Beadenkopf, Martin.....B  
Beadenkopf, Wm. (Glazed  
Kid).....A  
Fritz & Co., Chas. E  
(Glazed Kid).....B  
Garrett & Bar (Glazed Kid)  
A  
Mitchell & Thomas (Glazed  
Kid; Colors).....A  
Pyle & Co., The C. & J.  
(Patent Leather).....A  
Weldin, C. Wesley.....B  
Wilmington & Brandywine  
Leather Co. (Chrome  
Glazed Kid).....B  
GA.—Buford  
Allen Rotary Suspension  
Tannery (Harness)....A  
GA.—Newnan  
Burpee, T. G. ....B  
ILL.—Chicago  
Chicago Rawhide Mfg. Co.,  
75 E. Ohio (Rawhide Pick-  
er).....A  
Eagle Tanning Wrks. (Fancy;  
Harness).....A  
Eisendrath Tanning Co., B.  
D. ....B  
Gane Bros. & Co. (Sheep;  
Bookbinders).....B  
Grey, Clark & Engle, Calif;  
Kip; Glace).....AAA  
Illinois Leather Co. ....A  
Well & Eisendrath (Sheep;  
B  
Wilder-Manning Tanning Co.  
(Ebony; Seal; Kangaroo)  
C  
Woelfel Leather Co. (Grain;  
Collar; Strap; Colored  
Side; Yard; Welting) ..A  
IND.—New Albany  
Day Leather Co. (Oak Har-  
ness).....B  
Moser & Co., Geo. (Hem-  
lock Collar).....B  
MAINE.—Portland  
Casco Tanning Co. (Calf;  
Satin Finish; Upper) ..B  
MD.—Baltimore  
Deford Co. (Oak Sole;  
Butts).....AAA  
Rosenberg, Happ & Siegel  
(Sheep; Calf Kid).....A  
MD.—Cumberland  
Hirsch Bros. (Sheepskin) ..B  
MD.—Frederick  
Birely & Sons, Geo. K.  
(Calf; Harness; Upper;  
Rough).....C  
MD.—Williamsport  
Byron & Son, W. D. (Bag;  
Case; Collar).....A  
MASS.—Boston  
Beebe & Son, Lucius. ....AAA  
Beggs & Cobb (Split;  
Glove).....AAA

# LEATHER (Con.)

Boyle & Co. T. F. ....A  
Bullivant & Co., Wm. M.  
(Upper; Grain; Satin;  
Splits).....A  
Chadbourne & Moore.....A  
Corona Kid Co. ....A  
Cottle Leather Co. ....A  
Dungan & Hood Co. ....AA  
Dunn, Greene & Co. ....A  
Foster & Co., A. J. (Kid;  
Goat; Grain; Split)....B  
Hale, Gallup & Co. ....A  
Hunt, Frank W. ....AA  
Kistler, Leash & Co. ....AAAA  
Lawrence Leather Co., A. C.  
AA  
Levisur Bros & Co. ....A  
Moffat & Son, David (Har-  
ness).....AA  
Morrill Leather Co. ....A  
Mosser & Co., W. F. ....AAAA  
Morse & Co., J. C. ....A  
National Calfskin Co. ....A  
Pevear & Co. ....A  
Pierce Leather Co., Jas.  
(Split; Satin).....AA  
Pope & Co., Arthur W. ....AAA  
Proctor, Ellison & Co. (Hem-  
lock; Oak; Union).....AA  
Stetson & Co., Wm. A.  
(Sheepskin; Dongola) ..A  
Stoddard, Haserick, Rich-  
ards & Co., 152 Congress  
(Picker).....B  
Wadleigh & Co., H. W. ....AA  
Webster & Co. (Grain;  
Split; Buff; Goat).....AAA  
Winslow Bros. & Smith Co.  
AA  
Wyman, F. A. (Sheep) ..B  
MASS.—Lynn  
Kelly & Co., Thos. A. ....A  
Lennox & Co., P. ....AAA  
MASS.—Peabody  
Clark & Co., A. B. ....AA  
O'Shea, Thos. H. (Goat) ..B  
Southwick & Co., L. B.  
Sheepskins).....A  
MASS.—Woburn  
Robertson, Jas. (Patent  
Leather).....D  
MICH.—Alpena  
Alpena Hide & Leather Co.  
(Hemlock Sole).....B  
MICH.—Battle Creek  
Sherman Mfg. Co., H. B.  
(Pump).....A  
MICH.—Detroit  
Schmidt, Carl E. (Calf; Kan-  
garoo; Sheepskin).....A  
Schmidt, Traugott & Sons  
(Sheepskin).....AA  
MICH.—Grand Rapids  
Mich. Leather Co. (Sole) ..A  
Wallin & Sons, C. (Hem-  
lock Sole).....B  
MICH.—Fremont  
Gerber's Sons, D. (Hemlock  
Sole).....C  
MICH.—Holland  
Canpan & Bertsch Leather  
Co. (Hemlock; Sole; Sad-  
dle; Harness; Skirting;  
Net; Straps).....A  
MICH.—Mill Creek  
Michigan Leather Co.  
(Slaughter Sole).....B  
MICH.—Petoskey  
Rice Leather Co., W. W.  
(Hemlock Sole).....A  
MINN.—Red Wing  
Foot & Co., Silas B. ....A  
MO.—St. Louis  
Hartman Hide & Leather  
Co., (Harness; Lace) ..A  
Hermann Leather Co. (Har-  
ness).....AA  
Kayser & Nies Raw Hide Co.  
(Raw Hide; Lace & Hal-  
ter).....B  
Kessler & Sons, Anthony  
(Harness).....A  
Shultz Belting Co. (Picker)  
AA  
N. H.—Concord  
Page Belting Co. (Picker;  
Rigging; Curried) ....AA

# LEATHER (Con.)

**N. H.—Littleton**  
Parker Bros. & Co. (Glove) C

**N. H.—Manchester**  
Gerrish Wool & Leather Co. A

**Kimball & Brown** ..... B

**N. H.—Rochester**  
Wallace, E. G. & E. (Buff; Grain; Split) ..... AAAA

**N. J.—Camden**  
Quaker City Morocco Co. (Colored; Patent; Glazed Kid) ..... B

**N. J.—Harrison**  
Hahn & Stumpf, H. .... A

**N. J.—Hoboken**  
Lehman & Randwitz ..... B

**N. J.—Merchantville**  
Paschall Leather Co. (Glazed Kid) ..... C

**N. J.—Newark**  
American Hat Leather Co. (Skivers) ..... C

**Am. Patent Leather Co.** (Patent) ..... B

**Atlantic Leather Co.** (Furn; Shoe; Carriage; Saddlery) C

**Blanchard Bro. & Lane** (Patent) ..... A

**Caffrey, Matthew** (Patent) O

**Cummings Leather Mfg. Co., M. M.** (Dyed; Embossed) D

**Dawson Co., I. W.** (Alligator) ..... F

**Good, R. & H. B.** (Thong; Collar Splits) ..... C

**Halsey, J. H. & Smith** (Patent; Enamelled) ..... AA

**Halsey & Son, S.** (Patent; Enamelled) ..... AAAA

**Hestz, Max** (Rough) ..... B

**Hamburg, Cordovan Leather Co.** (Colored Kid; Patent Calf; Cordovan; Kangaroo; Porpoise) ..... AAAA

**Howell & Co., T. P.** (Patent; Enamelled) ..... AA

**Kaufherr & Co.** (Alligator; Lizard; Fancy Grain) ..... B

**Lang & Co., Henry** (Patent; Enamelled) ..... A

**Loehnerberg & Co., A.** (Hides; Rough Splits) ..... B

**McCormick, E. H.** (Patent; Enamelled) ..... C

**Mahon Leather Co., Mark W.** (Pocket Book) ..... C

**Rielly, Jno.** (Patent; Enamelled) ..... A

**Smith, C. L. & R. E.** (Russet; Colored Grain; Patent) ..... B

**Smith, Hugh, Corporation** (Shoe; Tipping; Carriage; Enamelled) ..... B

**Smyth Leather Mfg. Co.** B

**Straus & Sons, M.** (Patent; Enamelled) ..... A

**Steinhardt Co., G.** (Fancy) D

**Stengel & Rothschild** (Patent; Enamelled) ..... AA

**Ward & Co., E. S.** ..... B

**Ziegel, Eisman & Co.** (Kangaroo; Dongola; Goat) ..... B

**N. Y.—Auburn**  
Leather & Brass Mfg. Co. (Pump) ..... F

**N. Y.—Binghamton**  
American Hide & Leather Co. (Grain Splits) ..... AAAA

**N. Y.—Bressport**  
Kinley & Son, A. (Hemlock) B

**N. Y.—Brooklyn**  
Mills-Platt Co., 44 Clinton (Decorative Art) ..... A

**N. Y.—Buffalo**  
Laub & Sons, Geo. (Harness; Skirting) ..... B

**Schoellkopf & Co.** (Sheep) AA

**Schoellkopf's Sons, J. F.** (Hemlock Sole) ..... B

**Steffan's Sons, M.** ..... A

**Zeller & Sons, G. F.** (Harness) ..... A

**N. Y.—Gloversville**  
Levor & New (Kangaroo;

# LEATHER (Con.)

(Glove) ..... B

**N. Y.—Hornellsville**  
Prindle & Son, A. T. (Slaughter Sole) ..... O

**N. Y.—Middletown**  
Howell-Hinchman Co. (Russia; Fancy) ..... B

**West Mill Leather Co.** (Buckskin) ..... X

**New York City**  
Am. Hide & Leather Co. AAAA

**Baldwin Bros., 432 5th Av.** (Decorative Art) ..... D

**Barnett Leather Co.** (Calfskins) ..... A

**Bittel, Tepel & Co., (Whol. Glazed Kid)** ..... A

**Booth & Co., 88 Gold (Whol. Glazed Kid; Picker)** AAAA

**Boston Artificial Leather Co., 12 E. 18th (Artificial; Decorative)** O

**Bulkley, J. L.** (Drs. Sole) A

**Chapman & Burt** (Drs. Sole; Harness) ..... A

**Frank & Co., S. H.** (Whol. Sole) ..... AAAA

**Gardnar & Co., Thos.** (Bookbinders) ..... B

**Griffin & Sons, H.** (Sheep) A

**Hahn, Berthold** (Whol. Patent) ..... B

**Hess & Harburger** (Whol. Fancy; Furniture) ..... B

**Keck, Mosser & Co.** (Drs. Sole) ..... AAAA

**Lenhart, P. F.** (Hat) ..... A

**McDermott & Howard** (Glazed Kid) ..... AA

**Moffat & Co., David** (Harness) ..... AA

**Musliner & Co., Jos.** (Whol.) A

**Neumann & Co., R., 76 Duane** (Artificial) ..... A

**Pantasote Leather Co., 11 B'way** (Artificial) ..... AA

**Paskusz & Son** (Sheepskins; Bag; Strap) ..... AAAA

**Rahmann & Co., Geo.** (Pump) ..... C

**Rees & Sons, Hans** (Oak; Rough) ..... AA

**Righter & Kolb, 156 5th Av.** (Decorative) ..... E

**Scherer & Bro., Oscar** (Colored; Black Kid) ..... AA

**Soloman & Phillips** ..... AA

**U. S. Leather Co.** (Hemlock; Union; Oak; Deerskin; Buckskin) ..... AAAA

**Wallerstein, D.** (Goat; Kid) AA

**Williams, H. E. & C. D.** (Drs. Fancy Colored) ..... B

**Windmuller & Roelker, L.** A

**Winter & Goetz** ..... A

**Young Co., Rich.** (Goat; Sheep; Kangaroo; Buckskin) ..... A

**N. Y.—Olean**  
Quirin, W. C. A. (Glove; Dongola) ..... A

**Tanners' Shoe Stock Co.** (Innersole) ..... B

**N. Y.—West Winfield**  
Beckwith & Hiteman Bros. (Chromo Calf; Black Colored) ..... B

**N. C.—Andrews**  
Cover & Son, F. P. ..... B

**OHIO—Ashtabula**  
Raser Tanning Co. (Patent; Enamelled; Russia) ..... D

**OHIO—Cincinnati**  
American Oak Leather Co. (Oak Sole; Belting; Butts; Upholstery; Patents; Carriage) ..... AAAA

**Bardis Sons, Christian** (Harness; Collar) ..... C

**Hulsemann Bros.** (Harness; Hogskins) ..... A

**Rasche Bros.** (Harness; Collar) ..... C

**Suhr, Rudolph** (Harness) ..... B

**OHIO—Cleveland**  
Cleveland Tanning Co. .. O

**LEATHER (Con.)**

**OHIO—Columbus**  
 Peters & Herron Dash Co.  
 (Shaft) .....C  
**OHIO—Ironton**  
 Dupuy, R. S. (Oak Skirting) .....C  
**OHIO—Lima**  
 Schulther's Bros. (Harness) .....B  
**OHIO—Mansfield**  
 Barnes Mfg. Co. (Pump) .....A  
 Humphreys Mfg. Co.  
 (Pump) .....B  
**OHIO—Springfield**  
 Bretney & Co., H. V. (Oak;  
 Welt; Skirting; Strap) .....B  
**OHIO—Zanesville**  
 Findeiss & Heckel Oak  
 Leather Co. (Oak Har-  
 ness) .....C  
**OREGON—Eugene**  
 Haines & Co., W. W.  
 W. (Skirting; Collar) ..C  
**PA.—Ambler**  
 Faust's Sons, A. D. (Har-  
 ness) .....B  
**PA.—Bernville**  
 Renschler, C. F. (Calf  
 Skins) .....B  
**PA.—Big Run P. O.**  
 Irvin, Wm. & Son (Union  
 Sole) .....A  
**PA.—Cambridge Springs**  
 Bolard, Jacob (Rough) ..B  
**PA.—Cheswick**  
 Standard Leather Co. (Pat-  
 ent; Enamelled) .....B  
**PA.—Conneaut Lake**  
 Howard & Co., J. W. & A. P.  
 (Hemlock; Slaughter Sole) .....A  
**PA.—Corry**  
 Raymond Mfg. Co. (Ltd.)  
 (Flat; Crimped Pump) ..B  
**PA.—Eldred**  
 Duffy Leather Co., Jas. N.  
 (Patent; Enamelled) ..B  
**PA.—Erie**  
 Gunnison & Co., Chas.  
 (Rough; Harness) .....B  
 Streuber, Emil (Calf; Kip;  
 Rough; Slaughter Sole) ..C  
**PA.—Lancaster**  
 Hollinger, Amos (Est. of)  
 A  
 Helvetia Leather Co. (Pick-  
 er; Lace) .....D  
 Park Run Tanning Co. (Har-  
 ness) .....B  
**PA.—Laporte**  
 Union Tanning Co. (Sole)  
 AAA  
**PA.—Lock Haven**  
 Kistler, Wilson .....AAA  
 Curtis Leather Co., J. G.  
 (Bag; Strap; Case; Color-  
 ed Shoe) .....A  
**PA.—Noxen**  
 Mosser Tanning Co. (Sole)  
 A  
**PA.—Philadelphia**  
 Baum Leather Co. ....A  
 Bockius, Chas. (Glazed Kid)  
 B  
 Behal & Sons, S. ....B  
 Berger Bros. Co., 231 Arch  
 (Pump) .....A  
 Braun, Chas. J. (Oak; Calf;  
 Welt) .....B  
 Burk Bros. (Glazed Kid)  
 AAA  
 Callery & Co., Jas. ....AA  
 Costello, Cooley & Co. (Glaz-  
 ed; Enamelled Kid) ...B  
 De Long Bros. (Rough; Oak;  
 Calf; Harness) .....A  
 England & Bryan (Oak  
 Backs; Bends; Butts;  
 Belting; Fly Net) ....AAA  
 Evans, Jno. R. & Co.  
 (Dlrs. in Sheepskins) ...B  
 Foerderer, Robt. H. (viel  
 Glazed; Patent Kid; Col-  
 ors) .....AAA  
 Hawkins & Co., W. W.  
 (Sheepskins) .....B  
 Holmes, Hy. (Sheepskins)  
 B  
 Keystone Leather Co. ....AA  
 Klauder, Chas. L. ....A  
 Lyon, Litcher & Co. (Kid)  
 A

**LEATHER (Con.)**

Mathieu & Co., J. P. (Kid)  
 Matthews & Co., C. J. (Kid)  
 Mitchell & Peirson (Kid) ..A  
 McNeely & Co. (Kid) ..AAAA  
 McNeely, Price & Brooks  
 (Kid) .....A  
 Schulte Bros. Co. (Sheep-  
 skins) .....B  
 Shoemaker, J. L. & Co.  
 (Sheepskins) .....A  
 Swoboda & Son, H. (Horse  
 Hide) .....B  
 Wolff Process Leather Co.  
 (Kid) .....B  
**PA.—Pine Grove**  
 Gensemer, G. & H. (Oak  
 Sole; Rough; Harness) ..B  
**PA.—Ridgway**  
 Elk Tanning Co. ....AAA  
**PA.—St. Mary's**  
 St. Mary's Tanning Co.  
 AAAA  
**PA.—Saultillo**  
 Greene & Son Calvin .....A  
**PA.—Sheffield**  
 Penn. Tanning Co. (Hem-  
 lock Sole) .....B  
**PA.—Troy**  
 Van Dyne & Sons, E. (Union  
 Backs) .....A  
**PA.—Westover**  
 Mosser, W. F. (Union; Hem-  
 lock in Backs and Sides) ..B  
**PA.—Williamsport**  
 Crawford & Son, J. K. (Oak;  
 Harness, Calf; Kip; Up-  
 per Fly Net) .....B  
 Union Tanning Co. ....AAA  
**R. I.—Providence**  
 Burgess & Son, A. (Picker)  
 X  
 Holbrook, A. & C. W. (Pick-  
 er) .....B  
**TENN.—Harriman**  
 Harriman Leather Co. ....B  
**TENN.—Niota**  
 Niota Leather Co. ....B  
**VT.—Morrisville**  
 Warren Leather Co. (Har-  
 ness) .....B  
**VA.—Alexandria**  
 Smoot & Sons Co., C. C.  
 (Belting; Butts; Oak  
 Backs; Bellies; Heads) ..A  
**VA.—Elkton**  
 Cover, J. R. (Oak Sole) ..A  
**VA.—Fredericksburg**  
 Hurkamp & Co., Jno. G.  
 (Rough Skirting; Har-  
 ness; Fair Skirting; In-  
 sole; Upper) .....B  
**VA.—Manchester**  
 Shotwell & Co., A. D.  
 (Rough; Belting; Butts;  
 Harness; Collar) .....B  
**VA.—Winchester**  
 Graischen, F. A. (Glove) ..B  
 Shearer, A. L. ....C  
**W. VA.—Charlestown**  
 Goetz, A. D. ....B  
**W. VA.—Franklin**  
 Franklin Tanning Co. ....B  
**W. VA.—Wheeling**  
 Hoffman Sons Co., Jno. G.  
 (Oak Harness) ....AAA  
**WIS.—Eau Claire**  
 Rueping Leather Co., Fred  
 (Wax; Calf; Veals; Kips;  
 Kangaroo; Chrome) ...AA  
**WIS.—Kencsha**  
 Allens' Sons, N. R. (Har-  
 ness; Deerskin; Slaught-  
 er Sole; Collar; Calf) ...  
 AAAA  
**WIS.—Milwaukee**  
 Anstedt Leather Co., C.  
 (Collar; Fly Net) .....A  
 Conrad Bros. (Harness;  
 Collar) .....AA  
 Gallun & Sons, A. F. (Grain;  
 Wax Upper; Calf; Har-  
 ness) .....AAA  
 Martin Lechner Co., Leo.  
 (Calf; Kip) .....AAA  
 Pfister & Vogel Leather Co.  
 (Grain; Upper; Russia;  
 Kangaroo; Calf; Colored;  
 Sole; Harness; Splits) ...  
 AAAA  
 Trostel & Sons, Albert (Rus-



**LEATHER (Con.)**

sia; Kangaroo; Wax Calf;  
 Boot; Oil; Bright Grain;  
 Slaughter Sole; Splitts;  
 Collar; Fly Net; Lace)...

AAAA

Zohrlant Leather Co., Her-  
 man (Oil; Russia; Boot;  
 Grain; Wax Upper; Satin-  
 ette; Splitts; Kangaroo;  
 Calf; Kip; Harness;  
 Skirting; Collar; Glove)...

AA

**WIS.—Racine**

Elsendrath Tanning Co., B.  
 D. (Kangaroo; Dongola;  
 Calf; Horse Hide).....B

Huffner, E. J. ....A

**WIS.—Sheyboygan Falls**

Weisse & Co., Chas. S.  
 (Harness; Collar) .....A

**LEATHER  
GOODS****CAL.—Los Angeles**

Blust Co., A. (Belts; Leg-  
 gins) .....D

**ILL.—Chicago**

Chicago Case Mfg. Co., 142  
 W. Washn. (Jewelers'  
 Cases) .....E

Chicago Leather Goods Co.,

180 Washn. ....D

Elselman, Kaiser &amp; Co., 146

Franklin .....B

Fitzgerald Trunk Co.,

(Traveling Bags) .....A

Hartman Trunk Co., 176

Market (Traveling Bags)

A

Lanz, Owen & Co., 188 Lake  
 (Bags; Cases; Hat Boxes,  
 &c.) .....A

Riordan Mfg. Co., T. G.,  
 731 King (Traveling Bags)

C

Webster, G. A., 14 Wabash  
 Av. (Pocket Books)....C

Welck Mfg. Co., Martin,  
 1651 N. 41st (Musical In-  
 strument Case) .....E

Weiffenbach Mfg. Co., 622

Humboldt (Razor Strops)

D

Western Leather Mfg. Co.,  
 622 Humboldt (Collar;  
 Cuff Boxes) .....D

**MASS.—Amherst**

Arms Pocketbook & Leather  
 Novelty Co. (Pocket  
 Books) .....X

**MASS.—Athol**

Bates Bros. (Pocket; Bill  
 Books) .....B

**MASS.—Boston**

White & Son, W. B., 105  
 Summer (Spectacle  
 Cases) .....D

**MASS.—Greenfield**

Weisbrod & Sons, Emil  
 (Pocket Books) .....A

**MASS.—South Deerfield**

Ars Mfg. Co. (Bill; Pock-  
 et Books) .....B

**MASS.—Westboro**

Hunt Leather Goods Co.  
 (Cases; Bags, &c.).....B

**MASS.—Worcester**

Warren Leather Goods Co.  
 (Bait; Lunch; Collar;  
 Cuff; Hat Boxes; Dress  
 Suit Cases; Bags; Music  
 Goods, etc.) .....A

**LEATHER GOODS Con.**

*Trunks, Lunch Boxes,  
 Military Brush Cases,  
 Music Rolls, Money Belts,  
 Manicure Cases, Bottle  
 Cases, Shawl Straps,  
 Single Straps, Trunk  
 Straps, Shoulder Straps,  
 School Bags, Steamer  
 Trunks, Goods to order.*

N. J.—Hoboken

Lehman &amp; Co. ....A

N. J.—Jersey City

Mehl &amp; Co., John (Pocket

Books) .....AA

N. J.—Newark

Beck, A., 231 N. J. R. R.

Av. (Suit Cases, &amp;c.)...X

Caille Co., P. (Satchels)...D

Eckelhofer Bros. (Pocket

Books) .....E

Peddle &amp; Co., S. B. (Collar;

Cuff; Hat Boxes; Pocket

Books) .....AA

N. J.—Trenton

Novelty Mfg. Co. (Dress

Suit Cases) .....D

N. Y.—Binghamton

Sportsmen's Supply Co....C

N. Y.—Buffalo

Buffalo Jewelry Case Co.

(Jewelry Cases) .....B

Pierce Mfg. Co., W. W.

(Pocket Books) .....B

N. Y.—Gloversville

Mills, F. S. (Pocket Books)

D

Wilkins &amp; Co., E. J. (Pock-

et Books) .....B

New York City

Acme Leather Co., 558

B'way (Fancy Novelties)

B

Altenberg, Jos., 78 Reade

(Cases; Bags) .....E

Averbeck, M. J., 19 Maiden

Lane (Fancy Novelties).A

A. &amp; E. Leather Goods Co.,

419 Broome (Frames;

Bags, &amp;c.) .....D

Berner &amp; Freedman, 34

Howard (Cases; Bags;

Valises, &amp;c.) .....D

Bienenzucht Bros., 109

Spring .....C

Boyle &amp; Co., Jno., 112

Duane (Bags; Suit Cases;

Trunks; Hat Boxes)...AA

Bronner, Louis H., 39 E. 21st

(Card Cases; Bags; Pock-

et Books, &amp;c.) .....C

Carow &amp; Co., J., 51 Mercer

(Cases) .....E

Cohn, J. J., 19 Maiden Lane

(Fancy Novelties) ....A

Columbia Leather Goods Co.

454 B'way .....C

Comstock-Hoff Mfg. Co., 45

B'way (Collar; Cuff;

Boxes) .....D

Conland &amp; Mittenthal, 456

Broome .....C

Dietsch Bros., 14 E. 17th

(Fancy Novelties) ....AA

Eckhardt &amp; Co., Ph., 53

Crosby (Bags; Cases, &amp;c.)

E

Epstein &amp; Kowarsky, 351

B'way (Ad. Novelties).D

Freund Bros. Co., 524 B'way

(Fancy Novelties) .....D

Galewski, A., 90 Chambers

(Hat Boxes; Bags, &amp;c.)

D

Galewski, S., 321 B'way

(Dress Suit Cases).....E

Graham Mfg. Co., 19th &amp;

B'way (Fancy Novelties)

AAAA

Hacker, J. C. (Pocket

Books) .....A

Hahn &amp; Co., A., 21 Bond.B

Harrel Leather Goods Co.,

522 B'way (Collar; Cuff

Boxes) .....C

Headley &amp; Farmer Co., 14

Astor Pl. (Traveling

Goods) .....A

Hemrich, Herman &amp; Weiss,

27 Howard (Fancy) ....D

Hraba, Louis W., 29 E.

*Manufacturers of Leath-  
 er and Canvas Goods,  
 Bag Tags, Traveling  
 Bags, Collar and Cuff  
 Boxes, Rollups, Card  
 Cases, Leather Corners,  
 Cornet Cases, Caddy  
 Bags, Dress Suit Cases,  
 Toilet Cases and Rolls,  
 Mail Bags, Extension  
 Cases, Fish Rod Cases,  
 Fish Basket Straps, Sam-  
 ple Cases, Trunk and  
 Bag Handles, Hat Boxes,  
 Shirt Waist Cases, Hand*

**LEATHER GOODS Con.**

19th (Fancy Novelties)...C  
Kapp Bros. (Pocket Books) D

Katz Bros. Leather Goods Co., 38 Vesey (Bags; Cases, &c.)...C  
Kleinstuber, Jno., 536 B'way (Pocket Books)...C

Kraus & Detsch, 170 5th Av. ....B  
Lambert & Co., P. W., 64 Lispenard (Fancy Novelties; Pocket Books)...B

Lange & West, 126 Greene (Bag Cases) ....G  
Lefkowitz & Bro., S. (Pocket Books) ....C

Littauer & Co., Wm. (Pocket Books) ....B  
Livingston & Bro., L., 537 B'way (Pocket Books)...B

Loeb, H., 42 E. 12th (Fancy) ....D  
Maas, Blum & Co., 424 B'way (Pocket Books)...AA

Margolin & Hoppenfeld, 126 Wooster ....C  
Menster, George (Pocket Books) ....A

Naidis & Co., M., 122 Chambers (Alligator Bags)...D  
Randnits & Pollitz, 521 B'way (Bags; Belts)...A

Ripple & Fine, 68 Thomas (Dress Suit Cases)...G  
Ritter Bros., 50 Howard (Bags; Belts) ....C

Rosenkaupt, S., 97 Chambers (Bags; Dress Cases, &c.) ....C  
Scheuer, Herman, 435 Broome (Fancy) ....AA

Scheuer & Sons, S., 358 B'way ....AA  
Schmickl & Co., F., 538 B'way (Satchels) ....B

Sherman Bros., 93 Chambers (Suit Cases) ....H  
Spector & Shpetner, 316 Church (Fancy) ....E

Splir & Co., C. (Pocket Books) ....H  
Stember, John, 83 Walker (Pocket Books) ....C

Tager & Epstein, 420 B'way, (Adv. Novelties)...D  
Waxman Bros., 398 Madison (Dress Suit Cases)...E

Whiting Mfg. Co., 18th & B'way (Fancy Novelties) AAA  
Wolff, Louis (Pocket Books) ....D

Wolff & Co., R. (Pocket Books) ....B  
Zweig, Julius, 81 Chambers (Shawl; Trunk Straps)...E

**N. Y.—Rochester**  
Likly & Co., Hy. (Traveling Bags) ....A  
**OHIO—Cincinnati**

American Trunk Co. (Trunks) ....X  
Drucker & Co., N. (Traveling Bags) ....A

**OHIO—Cleveland**  
Likly & Rockett Trunk Co. (Trunks) ....B  
**OHIO—Columbus**

Stallman, F. A. (Traveling Bags) ....C  
Lilly Co., The M. C. (Suit Cases) ....A

**OHIO—Coshooton**  
Meek & Beech Co. (Adv. Specialties) ....AA  
**PA.—Philadelphia**

Rains & Sons, Geo. B. (Trunks; Bags; Cases)...A  
Belber Trunk & Bag Co. (Bags, &c.) ....B

Haines, Wm. A. (Pocket Books) ....A  
Klinger, F. W. Pocket Books) ....C

Kuester & Gerding, 405 Com. (Suit Cases) ....F  
Langfeld Bros. & Co., 10th & Filbert (Bags; Pocket Books) ....AA

Mayer, Max, 44 N. 9th

**LEATHER GOODS Con.**

(Bags; Suit Cases, &c.) X  
Reis & Hoelzel, 10th & Arch (Bags) ....X

Rosenblatt & Co., H. M., 22d & Oxford (Golf; Traveling Bags; Hat Boxes)...A  
Rumpp & Sons, C. F. (Collar; Cuff; Match Boxes; Pocket Books) ....AAA

Seitz & Son, J. H., 414 Brown (Bags; Suit Cases) D  
Stelz & Bro., Louis E., 155 N. 4th (Society)...D

Sutterly & Co., Gilbert T. (Match Boxes) ....C  
White Co., F. H., 443 N. 10th (Bags; Cases, &c.)...E

**VA.—Richmond**  
Rountree & Bro. Trunk & Bag Co., H. W. (Traveling Bags) ....A

**WIS.—Milwaukee**  
Abel & Bach Co. (Trunks; Bags; Suit Cases) ....A  
Burroughs & Sons, Geo. (Traveling Bags, &c.)...B

Romacka Bros. (Traveling Bags, &c.) ....AA  
Western Grip & Trunk Co. D  
**WIS.—Racine**

Racine Trunk Co. (Traveling Bags) ....C

**LEAVES**  
New York City  
McKesson & Robbins (Senna) ....AAAA

Schleffelen & Co., (Matico Strontium) ....AA

**LEDGERS:**  
**LOOSE LEAF**

**ILL.—Chicago**  
Baker-Vawter Co., 144 Washn. ....AA  
Hoffman & Co., H. H., 176 Monroe ....D

Plew & Motter, Monadnock Blk. ....B  
Rubil Mfg. Co. ....D  
Tengwall File & Ledger Co. B

Volkers & Co., F. N., 83 5th Av. ....F  
**MICH.—Detroit**

Richmond & Backus Co...A  
**MICH.—Kalamazoo**  
Kalamazoo Loose Leaf Ledger Co. ....X

**MO.—Jefferson City**  
Tribune Printing Co....B  
**MO.—St. Louis**

Silber & Trussell Mfg. Co. B  
New York City  
Sheppard Co., C. E., 87 Maiden Lane ....F

**MO.—No. Tonawanda**  
Rand Co. ....D  
**N. Y.—Rochester**

Moore Corp., Jno. C....A  
**OHIO—Cincinnati**  
Twinlock Co., 310 Walnut D

**PA.—Philadelphia**  
Mann Co., Wm. ....AA  
**R. I.—Providence**

Park Mfg. Co. ....X  
**WIS.—Milwaukee**  
Heinn Co. ....D

Miller Co., A. C. ....B  
Razall-Bruel Co., 380 E. Water ....D

Razell Mfg. Co., H. G., 383 Water ....B  
West. Williams Co., 389 E. Water ....C

**LEECHES**  
New York City  
Berkitz & Co., B., 429 E. 120th ....F

**LEGGINGS**  
**CONN.—Hartford**

**LEGGINGS (Con.)**

Wiley & Son Co., Win. H.  
(Gaiters; Hunting; Military Riding) .....A  
**ILL.—Chicago**  
 Columbla Overgaiter & Legging Co. ....C  
 Cook & Bros., E. C. ....A  
 Weller Mfg. Co., 118 North Av. (Elevator) .....A  
**ILL.—Dubuque**  
 Rider-Wallis Co. ....A  
**MASS.—Boston**  
 Clapp Rubber Co., E. H. (Rubber) .....A  
 Stoughton Rubber Co. (Rubber) .....AA  
**MICH.—St. Joseph**  
 Cooper, Wells & Co. (Knit) AA  
**MINN.—Mankato**  
 Mankato Mills Co. ....A  
**MO.—St. Louis**  
 Strauss Saddlery Co., Jacob A  
 Zittlosen Mfg. Co. ....C  
**N. H.—Manchester**  
 Rief, Geo. W. (Knit) ....D  
**N. J.—Newark**  
 Peters Harness & Saddlery Co. (Riding) ....C  
**N. Y.—Jamestown**  
 Broadhead & Sons, Wm. (Knit) .....AAAA  
**New York City**  
 Borchardt & Co., S. ....AA  
 Goodyear's India Rubber Glove Mfg. Co. (Rubber) AAAA  
 Goodyear Rubber Co. (Hunting; Rubber) .....AAAA  
 Hodgman Rubber Co. (Hunting; Rubber) .....AA  
 Mechanical Rubber Co. (Rubber) .....AAAA  
 Rauh & Co., S., 310 6th Av. ....D  
 Stimpson Son, E. B., 31 Spruce (and Gaiters) ....B  
**N. Y.—Syracuse**  
 Sager, A. ....A  
**OHIO—Cincinnati**  
 Pettibone Bros. Mfg. Co. (Gaiters) .....A  
**TEXAS—Dallas**  
 Padgett Bros. Co. ....A  
**WIS.—La Crosse**  
 La Crosse Rubber Mills Co. (Hunting; Rubber) ...A  
**WIS.—Milwaukee**  
 Kalt-Zimmers Mfg. Co. ....C  
**WIS.—Racine**  
 Chicago Rubber Clothing Co. (Hunting; Rubber) ....A

**LEGS**

For Artificial Legs, see Limbs

**CONN.—New Britain**  
 New Britain Machine Co. (Beuch) .....A  
**CONN.—Waterbury**  
 Amer. Pin Co. (Brass Lavatory) .....AA  
**ILL.—Chicago**  
 Clow & Sons, Jas. B., 222 Lake (Lavatory) ...AAA  
 Illinois Malleable Iron Co., 30 W. Monroe (Lavatory) AAAA  
**ILL.—Edwardsville**  
 Edwardsville Brass Co. (Lavatory) .....B  
**IND.—South Bend**  
 Stephenson Mfg. Co. (Beaded Chair) .....B  
**KY.—Covington**  
 Ohio Scroll & Lumber Co. (Chair; Table) .....D  
**MASS.—Worcester**  
 Warren Leather Goods Co. (Boots; Tops) .....B  
**MO.—St. Louis**  
 Nelson Mfg. Co., N. O. (Sink; Stall) .....AAA  
**N. Y.—Manlius**  
 Cheney & Son, S. (Counter) A

**LEGS (Con.)**

**New York City**  
 Du Bols & Co., F. N., 243 9th Av. (Lavatory) ...AAA  
 Mott Iron Wks., J. L., 88 Beekman (Lavatory) ...AA  
 Mullaney's Son, Jas., 25th & Lex. Av. (Brass Basin Lavatory) .....D  
 Stimpson & Son, E. B. (Boot; Tops) .....B  
 Victor Excelsior Brass Wks., 42 Mott (Lavatory) ...A  
**N. Y.—Rome**  
 Wilson Mfg. Co., R. M. (Lavatory) .....B  
**OHIO—Cleveland**  
 Ohio Brass & Iron Mfg. Co. (Lavatory) .....B  
 Sanitary Co., 335 Huron (Brass Lavatory) .....B  
**PA.—Philadelphia**  
 Blatchley, Chas. G. (Chair; Table) .....B  
 Haines, Jones & Cadbury Co., 1136 Ridge Av. (Lavatory) .....AA  
 McCambridge & Co. (Ltd.), 527 Cherry (Lavatory) ...B  
 Newell-Booth Co., Broad, cor. Buttonwood (Lavatory) .....D  
**PA.—Pittsburg**  
 Pittsburg Brass Mfg. Co. (Lavatory) .....D

**LEMONS**

See Oranges & Lemons

**LENOS**

**R. I.—Pawtucket**  
 Slater Cotton Co. ....AA

**LENSES**

See also Optical Goods

**ILL.—Chicago**  
 Adams & Westlake Co., Ontario, cor. N. Franklin (Signal Lamps) ...AAAA  
 Fowler, E. S. & W. S. ....D  
**IND.—Hartford City**  
 Sneath Glass Co. (Semaphore; Bulls' Eye) ...B  
**MASS.—Cambridge**  
 Clark & Sons, Alvan (Astronomical Instrument) ...F  
**MASS.—Southbridge**  
 Amer. Optical Co. (Optical; Bicycle Lantern; Spectacle; Eye Glass) ...AAA  
**N. H.—Tilton**  
 Tilton Optical Co. (Optical) D  
**New York City**  
 Anthony & Scovill Co., 122 5th Av. (Photographic) ...D  
 Gennert, G. (Photographic) B  
 Gregg, Wm. T. (Photographic) .....F  
 McAllister, T. H. ....B  
 Myers Co., S. F. ....D  
 Spencer Optical Co. (Optical; Spectacle; Eye Glass; Astronomical Instrument; Ophthalmoscopic Test) ...C  
**N. Y.—Rochester**  
 Bausch & Lomb Optical Co. (Spectacle; Eye Glass; Astronomical Instrument; Photographic) .....AAA  
 Gundlach Optical Co. (Photographic) .....A  
**OHIO—Toledo**  
 Libbey Glass Co. (R. R. Signal Lamp) .....AA  
**PA.—Pittsburg**  
 Macbeth-Evans Glass Co. (Railroad Signal) ...AAA  
**VT.—North Bennington**  
 White & Co., H. C. (Stereoscopic) .....B  
**WIS.—Milwaukee**  
 Milwaukee Optical Mfg. Co. (Optical) .....D

## LEPTANDRIN

MO.—St. Louis  
Larkin & Scheffer Chem.  
Co. ....A

## LETTERS

See also Figures; Numbers;  
Alphabets.

CONN.—Bridgeport  
Schwerdtle Stamp Co.  
(Steel) .....F  
CONN.—Meriden  
Bradley & Hubbard Mfg.  
Co. (Brass) .....AAAA  
CONN.—New Haven  
Hoggson & Pettis Mfg. Co.  
(Steel) .....A  
CONN.—Winsted  
Goodwin & Kintz Co.  
(House) .....B  
ILL.—Chicago  
Besley Co., Chas. H.  
(House) .....AA  
Chicago Spring Butt Co.  
(House) .....B  
Meyercoed Co. (Decalco-  
mania) .....A  
ILL.—Elgin  
Zeigler Bros. (Removable  
Metallic Sign) .....O  
ILL.—Freeport  
Arcade Mfg. Co. (House).A  
Stover Mfg. Co. (Brass).AA  
4.—Boston  
Bay State Fdry. Co., 155 A  
(Bronze) .....D  
Dennison Mfg. Co. (Paper  
Gummed) .....AAAA  
Murdock Corporation, 156  
Boylston (Bronze).....B  
Woodman Mfg. & Supply  
Co., R. (Steel) .....F  
MO.—St. Louis  
St. Louis Electrotpe Fdry.,  
211 N. 3d (Metallic Pat-  
tern) .....D  
N. J.—Newark  
Benfield & Milne Mfg. Co.  
(Sign; Cast Iron) ....D  
Spanjer Bros. (Wooden)..E  
New York City  
Am. Railway Supply Co.  
(House) .....X  
Brooks & Co., E. J. (Metal-  
lic Pattern; Steel)....B  
Butler, A. G., 284 Pearl  
(Metal Pattern) .....D  
Caesar Bros. (Enamelled).D  
Fac-Simile Typewriting Co.,  
180 Fulton (Imitation  
Type Written) .....C  
Ness, Jr., Geo. M. (Steel)  
H  
New York Stencil Wks.  
(Brass; Steel) .....X  
Palm-Fechtelor Co. (Decal-  
comania) .....A  
Russell & Erwin Mfg. Co.  
(House) .....AAAA  
Sargent & Co. (House)  
AAAA  
Stafford Co., N. (Brass).F  
Tiebout, W. & J. (House).B  
Wiebusch & Hilger  
(House) .....A  
Yale & Towne Mfg. Co.  
(House) .....AAAA  
N. Y.—Seneca Falls  
Brim, A. W. (Pattern)..F  
Knight & Son, H. W. (Pat-  
tern) .....C  
OHIO—Akron  
Enterprise Mfg. Co. (Block)  
A  
OHIO—Canton  
Berger Mfg. Co. (Cornice;  
Sign) .....AA  
OHIO—Cincinnati  
Obermayer Co., S. (Metal-  
lic Pattern) .....AA  
Palm Bros. & Co. (Decal-  
comania) .....A  
Palm Letter Co., 316 Main  
(Transfer) .....A  
OHIO—Cleveland  
Cleveland Galvanizing Wks.  
(House) .....C  
Globe Machine & Stamping  
Co. (Steel) .....C

## LETTERS (Con.)

Konigslew Stamping & Tool  
Wks. (Steel) .....D  
National Decalcomania Co.  
(Decalcomania) .....F  
Taylor & Boggis Fdy. Co.  
(House) .....AA  
OHIO—Dayton  
Howard, Wm. H. (Brass).E  
PA.—Philadelphia  
Natl. Decalcomania Co.  
(Paper Gummed) .....F  
Parson Co., J. W. (Metal-  
lic Pattern) .....AA  
Quint & Sons, S. H. (Metal-  
talic Pattern) .....B  
PA.—Reading  
Reading Hdw. Co. (House)  
AAAA  
R. I.—Providence  
Brown & Sharpe Mfg. Co.  
(Sign; Cast Iron)..AAAA

## LEVELERS

ILL.—Chicago  
Austin Mfg. Co., Manhattan  
Bldg. (Road) .....AAA  
ILL.—Harvey  
Austin Mfg. Co. (Road)  
AAA  
MICH.—Detroit  
Amer. Harrow Co. (Road)  
AA  
N. Y.—Frankfort  
Acme Road Machy. Co.  
(Road) .....B  
N. Y.—Marathon  
Climax Road Machine Co.  
(Road) .....B  
OHIO—Columbus  
Kilbourne & Jacobs Mfg.  
Co. (Road) .....AAAA  
PA.—Kennett Square  
Amer. Road Machine Co.  
(Road) .....AA

## LEVELS

COLO.—Denver  
Ainsworth & Sons, Wm.  
(Engineers') .....B  
CONN.—New Britain  
Stanley Rule & Level Co.  
(Bit; Square; Iron Pock-  
et) .....AAA  
CONN.—Pine Meadow  
Chapin-Stephens Co. (Ad-  
justable; Non-Adjustable  
Machinists' Brass Col-  
ored; Track; Masons';  
Pocket) .....A  
CONN.—Rockfall  
Smith, Otis A. (Carpenters')  
B  
ILL.—Chicago  
Dietzgen Co., Eugene, 149  
5th Av. ....A  
Fairbanks, Morse & Co.,  
Franklin & Monroe  
(Track) .....AAAA  
Webster Mfg. Co. (Hydro-  
static) .....AA  
ILL.—Harvey  
Buda Fdry. & Mfg. Co.  
Track) .....AA  
MASS.—Athol  
Athol Machine Co. (Iron  
Pocket; Plumbers'; Ma-  
chinists'; Iron Bench;  
Carpenters') .....B  
Richardson-Oliver Co. (Ma-  
chinists'; Pocket; Iron)  
E  
Starrett Co., L. S. (Iron;  
Machinists') .....A  
MASS.—Boston  
Berger & Sons, C. L. (En-  
gineers') .....A  
MASS.—Fitchburg  
Putnam Machine Co. (Iron;  
Machinists') .....A  
Sawyer Tool Mfg. Co. (Iron;  
Steel Spirit; Cross)....C  
MASS.—Greenfield  
Stratton Bros. ....E  
MASS.—Millers Falls  
Millers Falls Co. (Iron).AA  
MICH.—Detroit  
Anderson & Sons, W. H.  
(Track) .....C  
Strellinger Co., Chas. A., 98

**LEVELS (Con.)**

Bates (All Kinds).....A  
**MICH.**—Kalamazoo  
 Kalamazoo Railway Supply  
 Co. (Track) .....B  
**MICH.**—Three Rivers  
 Sheffield Car Co. (Track)  
 AA  
**MO.**—St. Louis  
 Handlan Buck Mfg. Co., 212  
 N. 3d (Track) .....AA  
**N. J.**—Newark  
 Smith, S. O. (Boxwood)...D  
**N. Y.**—Albany  
 Van Hoesen, Theo. W.  
 (Glass Spirit for Scien-  
 tific Instruments) .....F  
**New York City**  
 Bender & Sons, Ph. J., 87  
 Frankfort (Machinists') E  
 Fox Bros. & Co., 24 Vesey  
 (Track) .....A  
 Gardam & Sons, Wm., 47  
 Rose (Architects'; Build-  
 ers') .....D  
 Jennings Co., C. E. (Hand  
 Bench) .....B  
 Keuffel & Esser Co. 127 Ful-  
 ton (Architects'; Engin-  
 eers'; Iron; Machinists';  
 Pocket; Shafting; "Y")  
 AA  
 Peck, Stow & Wilcox Co.,  
 27 Murray (Bit; Square)  
 AAAA  
 Soltmann, E. G., 125 E. 42d  
 (Architects'; Engineers')  
 B  
 Tower & Lyon Co., 95  
 Chambers (Masons; Pock-  
 et) .....B  
**N. Y.**—Troy  
 Gurley, W. & L. E. (Arch-  
 itects'; Engineers') .....A  
**OHIO**—Akron  
 Akron Spirit Level Wks..B  
**OHIO**—Cincinnati  
 Pfister, Herman, 428 Plum  
 (Architects'; Builders')..E  
**PA.**—Columbia  
 Smith, E. G. (Pocket)...E  
**PA.**—Philadelphia  
 Disston & Sons (Inc.), Hy.  
 (Iron; Shafting; Pocket;  
 Machinists') .....AAAA  
 Queen & Co. (Inc.), 1010  
 Chestnut (Architects'; En-  
 gineers') .....AA  
 Young & Sons, 47 N. 7th  
 (Engineers') .....B

**LEVERS**

**CONN.**—Stamford  
 Yale & Towne Mfg. Co.  
 (Bell; Bronze) .....AAAA  
**GA.**—Toccoa  
 Reeves Spool & Bobbin Co.  
 (Pick) .....D  
**ILL.**—Rockford  
 Emerson Mfg. Co. (Steel  
 Harrow) .....AAA  
**MINN.**—Duluth  
 La Dow Implement Co.  
 (Harrow) .....B  
**New York City**  
 Peck, Stow & Wilcox Co.,  
 27 Murray (Door Bell)...  
 AAAA  
 Russell & Erwin Mfg. Co.  
 (Door Bell) .....AAAA  
 Sargent & Co. (Door Bell;  
 Machine) .....AAAA  
**OHIO**—Cleveland  
 Federal Mfg. Co. (Auto-  
 mobile Steering) ..AAAA  
**OHIO**—Dayton  
 Dayton Malleable Iron Co.  
 (Brake) .....AAA  
**PA.**—Lebanon  
 Amer. Iron & Steel Mfg. Co.  
 (Brake) .....AAAA  
**PA.**—Pittsburg  
 Oliver Iron & Steel Co.  
 (Brake) .....AAAA  
**PA.**—Reading  
 Reading Hdw. Co. (Door  
 Bell) .....AAAA  
**R. I.**—Bristol  
 Dixon Lubricating Paddle  
 Co. (Cotton Machine)...B

**LEVERS (Con.)**

**R. I.**—Pawtucket  
 Haskell Mfg. Co., Wm. H.  
 (Machine) .....AA

**LICORICE**

**KY.**—Louisville  
 Jungbluth & Rautenberg,  
 831 W. Main .....B  
**MD.**—Baltimore  
 Young Co., J. S. ....AA  
**N. Y.**—Brooklyn  
 Natl. Licorice Co., 375  
 Lorimer .....A  
**New York City**  
 Amer. Licorice Co., 18  
 Wooster .....X  
 Carenou & Tus, 3 Union Sq.  
 (Powd.; Root) .....B  
 Dean & Son, W. G., 361  
 Washn. ....A  
 MacAndrews & Forbes, 111  
 5th Av. ....AAAA  
 Stamford Mfg. Co., 88 Wall  
 (Root) .....AAAA  
 Weaver & Sterry, 79 Pine  
 B  
**OHIO**—Cincinnati  
 Mueller Licorice Co., Jno.,  
 2117 Redding Road....X  
**OHIO**—Toledo  
 Toledo Licorice Co. (Powd.)  
 O  
**PA.**—Hanover  
 Young & Co., J. S. ....A

**LIDS**

**DEL.**—Wilmington  
 Davis Pressed Steel Co.  
 (Journal Box) .....B  
**ILL.**—Chicago  
 McCord & Co., Old Colony  
 Bldg. (Journal Box)....B  
**N. Y.**—Brooklyn  
 Continental Iron Wks., Cal-  
 yer & West (Gas Works  
 Retort) .....A

**LIFTERS**

**CONN.**—Bristol  
 Sessions & Son, J. H.  
 (Trunk) .....AA  
**CONN.**—New Britain  
 Stanley Works (Sash).AAA  
**CONN.**—New Haven  
 Ives Co., H. B. (Sash)...A  
 Miner & Peck Mfg. Co.  
 (Drop Press; Hammer).X  
**CONN.**—Plainville  
 Hills, Edwin (Stove Lid).A  
**ILL.**—Chicago  
 Barbee Wire & Iron Wks.  
 (Pie; Turners) .....B  
 Nicol & Co., 55 W. Wash-  
 ington (Stove Lid).....D  
 Wing Mfg. Co., 13 N. Jeff  
 (Stove Lid) .....B  
**ILL.**—Freeport  
 Arcade Mfg. Co. (Sash;  
 Stove Lid; Pot; Plate)...A  
 Stover Mfg. Co. (Stove Lid;  
 Sash; Window Screen)..  
 AA  
**ILL.**—Moline  
 Williams, White & Co.  
 (Drop Hammer) .....AA  
**" L.**—Paxton  
 Paxton Hdw. Mfg. Co.  
 (Hot Dish) .....X  
**ILL.**—Sterling  
 National Mfg. Co. (Sash).O  
**IOWA**—Dubuque  
 Adams Co. (Stove Lid)..A  
**MASS.**—Boston  
 New England Novelty Mfg.  
 Co. (Pie; also Turners).A  
**MASS.**—Lowell  
 Woods, Sherwood Co. (Wire  
 Plate) .....E  
**MASS.**—Worcester  
 Hamblin & Russell Mfg. Co.  
 (Wire Stove Cover)...B  
 Wire Goods Co. (Stove Lid;  
 Window Screen) .....A  
**" MICH.**—Bellaire  
 Richards & Bechtel (Wood-  
 en Clothes) .....B

**LIFTERS (Con.)**

**MICH.**—Kalamazoo  
Hill & Co., Wm. E. (Steam  
Gang Stock) .....B  
**MINN.**—Minneapolis  
Diamond Iron Wks. (Steam  
Skid) .....B  
**MO.**—St. Louis  
Pleuger & Henger Mfg. Co.  
(Sash) .....A  
**N. J.**—Newark  
Ohl & Co., Geo. A. (Drop  
Press; Hammer) .....B  
Williamson Wire Novelty  
Co., C. T. (Window  
Screen) .....B  
**N. Y.**—Albany  
Troy Nickel Wks. (Stove  
Lid) .....C  
**N. Y.**—Brooklyn  
New York Stamping Co.  
(Stove Lid) .....A  
New York City  
Eagle Chain & Novelty Mfg.  
Co., 135 Elm (Brass Plate  
Skirt) .....C  
Peck, Stow & Wilcox Co.  
(Sash; Stove Lid) .....A  
Russell & Erwin Mfg. Co.  
(Transom; Sash; Shutter)  
.....A  
Sargent & Co. (Sash; Shut-  
ter; Stove Lid; Transom;  
Window Screen) .....A  
Stoutenborough, X. (Pie  
Plate) .....D  
Yale & Towne Mfg. Co.  
(Sash; Transom) .....A  
**OHIO**—Cincinnati  
Obermayer Co., S. (Mould-  
ers' Pattern) .....A  
**OHIO**—Cleveland  
Cleveland Foundry Co.  
(Stove Lid) .....A  
Fanner Mfg. Co. (Stove  
Lid) .....A  
Taylor & Boggis Fdry. Co.  
(Sash) .....A  
**OHIO**—Ravenna  
Williams, A. C. (Stove Lid)  
.....A  
**OHIO**—Shelby  
Shelby Spring Hinge Co.  
(Sash) .....B  
**PA.**—Erie  
Griffin Mfg. Co. (Sash) .....A  
**PA.**—Lancaster  
Chalfant Hdw. Mfg. Co.  
(Stove Lid) .....X  
**PA.**—Mount Joy  
Iron Casting Co. (Stove  
Lid) .....A  
**PA.**—Norristown  
Reading Screw Co. (Tran-  
som) .....A  
**PA.**—Philadelphia  
Pease Mfg. Co. (Pan) .....F  
**PA.**—Reading  
Reading Hdw. Co. (Sash;  
Shutter; Transom) .....A  
**PA.**—Wrightsville  
Wrightsville Hdw. Co.  
(Stove Lid; Sash) .....A  
**R. I.**—Providence  
Standard Machy. Co. (Drop  
Press; Hammer) .....B  
**WIS.**—Milwaukee  
Allis-Chalmers Co. (Steam  
Board; Steam Gang Stock)  
.....A

**LIFTS**

**CONN.**—Bridgeport  
Gaynor & Mitchell Mfg. Co.  
(Sash) .....C  
**CONN.**—Hartford  
Rhodes, L. E., 28 High  
(Automatic Water) .....F  
**CONN.**—Middletown  
Wilcox-Crittenden & Co.  
(Sash) .....A  
**CONN.**—New Britain  
Corbin, P. & F. (Sash;  
Flush Sash) .....A  
Judd, Oliver S. (Sash) .....B  
Russell & Erwin Mfg. Co.  
(Sash) .....A  
Stanley Wks. (Sash) .....A  
**CONN.**—New Haven  
Ives & Co., B. (Sash) .....A  
Mallory-Wheeler Co. (Sash)  
.....A

**LIFTS (Con.)**

**CONN.**—Southington  
Peck, Stow & Wilcox Co.  
(Sash) .....A  
**CONN.**—South Norwalk  
Norwalk Lock Co. (Sash) .....A  
**CONN.**—Stamford  
Yale & Towne Mfg. Co.  
(Transom; Sash; Safety  
Double) .....A  
**ILL.**—Aurora  
Amer. Well Wks. (Air;  
Water) .....A  
**ILL.**—Chicago  
Clow & Sons, Jas. B., 344  
Franklin (Water) .....A  
Hine-Watt Mfg. Co., 60 Wa-  
bash Av. (Transom) .....D  
Payson Mfg. Co., 1319 W.  
Jackson Boul. (Transom)  
.....D  
**ILL.**—Freeport  
Arcade Mfg. Co. (Sash) .....A  
Stover Mfg. Co. (Sash) .....A  
**MAINE**—Portland  
Cox & Son, A. F. (Shoe;  
Top) .....A  
**MASS.**—Boston  
Coffin Valve Co. (Hydraulic)  
.....D  
Thayer Co., N. F. (Shoe) .....C  
**MAINE**—Salem  
Patten, Paul B. (Motor; Car  
Pitt) .....E  
**N. J.**—Newark  
Storm Mfg. Co. (Invalid) .....B  
New York City  
Amer. Air Compressor Wks.,  
26 Cortlandt (Pneumatic)  
.....F  
Braender, Philip, 47 W.  
125th (Automatic Water)  
.....B  
Creamer & Co., W. G., 96  
John (Sash; Railway  
Car) .....A  
Krieg & Co., J. K. (Shoe  
Top) .....B  
Sargent Co., Geo. F. (In-  
valid Transfer) .....X  
Watson-Stillman Co. (Elec-  
tric Motor) .....A  
**N. Y.**—Poughkeepsie  
Sedgwick Machine Wks.  
(Trunk) .....D  
**N. Y.**—Rochester  
Rochester Top Lift Co.  
(Boot Top) .....B  
**OHIO**—Cleveland  
Bishop & Babcock Co., Ham-  
ilton & Kirtland (Automa-  
tic Water) .....A  
Cleveland Faucet Co., 21  
Frankfort (Automatic  
Water) .....A  
Columbian Hdw. Co., Coe &  
Hamilton (Sash) .....A  
Taylor & Boggis Fdy. Co.,  
521 Seneca (Sash) .....A  
**OHIO**—Columbus  
Ohio Pump & Brass Co.,  
18th & Oak (Water) .....O  
**OHIO**—Mansfield  
Ohio Brass Co. (Motor; Car  
Pitt) .....A  
**OHIO**—Shelby  
Shelby Spring Hinge Co.  
(Sash) .....B  
**PA.**—Atglen  
Chalfant Hdw. Mfg. Co.  
(Sash) .....X  
**PA.**—Norristown  
Reading Screw Co. (Self-  
Locking Push Button  
Transom) .....A  
**PA.**—Philadelphia  
Wood & Co., R. D., 400  
Chestnut (Hydraulic)  
.....A  
**PA.**—Pittsburg  
Lewis Fdy. & Machine Co.,  
1001 Bingham (Hydrau-  
lic) .....A  
**PA.**—Reading  
Penn. Hdw. Co. (Sash) .....A  
Reading Hdw. Co. (Sash;  
Transom) .....A  
**PA.**—South Bethlehem  
Bethlehem Fdy. & Mach.  
Co. (Acid) .....O  
**PA.**—Wrightsville  
Wrightsville Hdw. Co.  
(Sash) .....B

**LIFTS (Con.)**

**WIS.—Milwaukee**  
Willer Mfg. Co. (Sash)...A

**LIGHTERS**

**CONN.—Meriden**  
Bradley & Hubbard Mfg. Co.  
(Cigar) .....AAAA  
**ILL.—Chicago**  
Braun Mfg. Co., D. J.,  
Washington & Union (Ci-  
gar) .....B  
Eldred Mfg. Co., 291 N.  
State (Cigar) .....C  
**KY.—Newport..**  
Higgin Mfg. Co. (Vehicle)  
A

**MASS.—Boston**  
Edson Mfg. Co. (Side;  
Deck) .....B  
New England Novelty Mfg.  
Co. (Cigar) .....H  
**MASS.—Brookline**  
Holtzer-Cabot Electric Co.  
(Gas; Electric) .....A  
**N. Y.—Belmont**  
Clark Bros. Co. (Gas)....A  
New York City  
Houchin Co., Thos. W.  
(Candle) .....D  
Ostrander & Co., W. R.  
(Side; Deck) .....A  
Roche, Wm. (Electric Gas)  
D

**PA.—Erie**  
Erie Specialty Co. (Cigar)  
B  
**WIS.—Milwaukee**  
Bagley & Sons Co., W.,  
(Side; Deck) .....X

**LIGHTS**

See also Lamps

**CAL.—San Francisco**  
Jackson & Co., P. H., 228  
1st (Sidewalk; Vault Floor)  
D  
**ILL.—Chicago**  
Brown Bros. Mfg. Co., W.  
22d & Campbell Av. (Side-  
walk; Vault Floor) ....B  
Chicago Sidewalk Light Co.,  
101 Wash'n (Sidewalk;  
Vault Floor) .....F  
Dauchy Iron Wrks., 88 Illi-  
nois (Prismatic Sidewalk;  
Vault Floor) .....B  
Richards & Kelly Mfg. Co.,  
389 23d (Sidewalk; Vault  
Floor) .....D  
Smith Wire & Iron Wrks.,  
100 Lake (Sidewalk; Vault  
Floor) .....AA  
**IND.—Indianapolis**  
Brown & Ketcham Iron  
Wrks. (Sidewalk; Vault  
Floor) .....AAA  
Hetherington & Berner, 19  
W. South (Sidewalk;  
Vault Floor) .....A  
**IND.—Lafayette**  
Wallace Fdry. & Machine  
Co. (Sidewalk; Vault  
Floor) .....D  
**KY.—Louisville**  
Snead Arch'l Iron Wks., 710  
14th (Sidewalk; Vault  
Floor) .....B  
**KY.—Newport**  
Higgin Mfg. Co. (Curtain)  
A  
**MAINE.—Portland**  
Fletcher & Crowell Co.,  
(Sidewalk; Vault Floor)  
D  
Megquier & Jones Co., 33  
Pearl (Sidewalk; Vault  
Floor) .....B  
**MD.—Baltimore**  
Bartlett, Haywood & Co.,  
Continental Trust Bldg.  
Sidewalk; Vault Floor).B  
**MASS.—Boston**  
Amer. Mason Safety Tread  
Co., 40 Water (Sidewalk;  
Vault Floor) .....X  
Carr & Andrews Corp., 64  
Federal (Sidewalk) ....D  
Chelmsford Fdry. Co., 177  
Devonshire (Sidewalk;  
Vault Floor) .....A

**LIGHTS (Con.)**

Ham & Co., L. St., 152 Port-  
land (Sidewalk; Vault  
Floor) .....B  
Smith & Lovett Co., 125 Al-  
bany (Sidewalk; Vault  
Floor) .....D  
Wheeler Reflector Co.  
(Church; Picture) .....C  
**MICH.—Detroit**  
Barnum Wire & Iron Wks.,  
E. T., 99-105 Shelby  
(Sidewalk; Vault Floor)  
B  
Russell Wheel & Fdry. Co.  
(Sidewalk; Vault Floor).  
AA  
Vulcan Co. (Concrete; Cast  
Iron Sidewalk; Vault  
Floor) .....F  
**MICH.—Three Rivers**  
Sheffield Car Co. (Car  
Signal) .....AA  
**MINN.—Minneapolis**  
Crown Iron Wks., 115 2nd  
Av. (Sidewalk; Vault  
Floor) .....B  
Minneapolis Steel & Mchry.  
Co. (Sidewalk; Vault  
Floor) .....AAA  
Northwestern Foundry (S.  
T. Ferguson, Prop.), 312  
S. 10th (Sidewalk; Vault  
Floor) .....A  
**MINN.—St. Paul**  
St. Paul Fdry. Co., Como  
Av. & Mackabin (Side-  
walk; Vault Floor)....AA  
**MO.—St. Louis**  
Christopher & Simpson  
Arch'l Iron & Fdry. Co.,  
311 Park Av. (Sidewalk;  
Vault Floor) .....AA  
Globe Iron & Fdry. Co., cor.  
9th & Victor (Sidewalk;  
Vault Floor) .....B  
**NEBR.—Omaha**  
Paxton & Vierling Iron  
Wks., 17th & U. P. Ry.  
(Sidewalk) .....AA  
**N. J.—Jersey City**  
Snead & Co. Iron Wks.  
(Sidewalk) .....A  
**N. Y.—Binghamton**  
Crandal, Stone & Co. (Cur-  
tain) .....A  
**N. Y.—Brooklyn**  
Brooklyn Vault Light Co.,  
481 Driggs Av. (Sidewalk;  
Vault Floor) .....A  
**N. Y.—Buffalo**  
Ernst, Chas. F., 311 Walnut  
(Sidewalk) .....B  
**New York City**  
Cornell Co., J. B. & J. M.,  
26th & 11th Av. (Side-  
walk; Vault Floor) ....AA  
Dimond, Thos. (Floor; Side-  
walk) .....A  
Dietz Co., R. E., 60 Laight  
(Search) .....A  
Frink, I. P. (Pulpit; Dome  
Ceiling; Foot; Picture)...  
AA  
Jacobs & Sons, 510 Pearl  
(Sidewalk; Vault Floor)D  
Joosten, C. H., 201 West  
(Wax Night) .....X  
Lamb, J. & B. (Church)...D  
Mark, Jacob, 7 Worth (Side-  
walk; Vault Floor) ....D  
Metal Stamping Co. (Cur-  
tain) .....A  
N. J. Foundry & Machine  
Co., 9 Murray (Sidewalk;  
Vault Floor) .....D  
N. Y. Prism Co., 473 W.  
B'way (Sidewalk; Vault  
Floor) .....E  
Ransome & Smith Co., 11  
B'way (Sidewalk; Vault  
Floor) .....D  
Tiebout, W. & J. (Side;  
Deck) .....B  
Tucker & Vinton (Inc.),  
156 5th Av. (Steel Con-  
crete Sidewalk; Vault  
Floor) .....D  
Wells Light Mfg. Co. (Con-  
tractors') .....B  
**N. Y.—Rochester**  
Heughes & Co., F. L., 190  
South Av. (Sidewalk;

**LIGHTS (Con.)**

Vault Floor).....A  
 Star Headlight Co. (Car  
 Signal).....X  
 N. Y.—Troy  
 Mahony Mfg. Co., 5th Av.,  
 cor. Liberty (Sidewalk;  
 Vault Floor).....B  
**OHIO**—Bellair  
 Rodefer, T. G. (Floor;  
 Vault).....A  
**OHIO**—Cincinnati  
 Craighead Engineering Co.  
 (Head).....D  
 Macleod & Co., Walter  
 (Search).....B  
 Monarch Carriage Goods Co.  
 (Curtain).....B  
 Schreiber & Sons Co., L.,  
 8th & Eggleston Av.  
 (Sidewalk; Vault Floor).  
 AA

**OHIO**—Cleveland  
 Brooks & Co., T. H., 900  
 Lake (Sidewalk; Vault  
 Floor).....A  
 Madison Av. Fdry. Co., 155  
 E. Madison Av. (Side-  
 walk; Vault Floor)....D  
 Van Dorn Iron Wks. Co.,  
 1793 E. Madison Av. (Side-  
 walk; Vault Floor)....AA  
**OHIO**—Kenton  
 Champion Iron Co. (Side-  
 walk; Vault Floor)....AA  
**OHIO**—Youngstown  
 Youngstown Wire & Iron  
 Co. (Sidewalk).....G  
**PA**—Allegheny  
 Rieseck, P., cor. Allegheny  
 Av. & Rebecca (Sidewalk;  
 Vault Floor).....C  
**PA**—Philadelphia  
 Brill Co., J. G. (Car Sig-  
 nal).....AAAA  
 Creswell Iron Wks., S. J.,  
 23rd & Cherry (Sidewalk;  
 Vault Floor).....B  
 Horrocks Iron Wks., 234 N.  
 Broad (Sidewalk; Vault  
 Floor).....D  
 Merritt & Co., 1024 Bidge  
 Av. (Sidewalk; Vault  
 Floor).....B  
 Steward & Stevens Iron  
 Wks., 9th, cor. Montg'y  
 Av. (Sidewalk; Vault  
 Floor).....B  
**PA**—Pittsburg  
 Phoenix Steel Construction  
 Co., Penn Av. & 3rd (Il-  
 luminated Sidewalk; Vault  
 Floor).....D  
 Pittsburg Brass Mfg. Co.  
 (Church).....D  
**TENN**—Memphis  
 Chickasaw Iron Wks. (Side-  
 walk).....A  
**WIS**—Milwaukee  
 Bayley & Sons Co., Wm.,  
 732 Greenbush (Sidewalk;  
 Vault Floor).....X

**LIMBS**

**ILL**—Chicago  
 Haussmann & Dunn (Arti-  
 ficial).....C  
 Merrick-Hopkins Co. (Arti-  
 ficial).....F  
 Truax, Green & Co., Chas.  
 (Artificial).....A  
**LA**—New Orleans  
 McDermott Surgical Instru-  
 ment Co. (Ltd.) (Artifi-  
 cial).....D  
**MICH**—Detroit  
 Simpson, Wm. T. (Artifi-  
 cial).....F  
**MINN**—Minneapolis  
 Winkley Artificial Limb Co.  
 (Artificial).....D  
**MO**—St. Louis  
 Kane Co., Daniel P.  
 (Artificial).....X  
 New York City  
 Condell, A. (Artificial)....D  
 Frees, C. A. (Artificial)....X  
 Marks, A. A., 701 B'way  
 (Artificial; Artificial  
 Rubber).....AA  
**N. Y.**—Rochester  
 Fuller Co., Geo. R. (Arti-

**LIMBS (Con.)**

ficial; Artificial Rubber)  
 E  
**OHIO**—Columbus  
 Triumph Artificial Limb Co.  
 (Artificial).....H  
**PA**—Philadelphia  
 Kolbe Co., D. W. (Arti-  
 ficial).....X  
**PA**—Pittsburg  
 Artificial Limb Mfg. Co.  
 (Artificial).....X  
 Feick Bros. Co. (Artificial)  
 D

**LIME**

For Chloride of Lime see  
 next Heading

**ALA**—Gadsden  
 Legarde Lime & Stone Co.  
 B  
**ALA**—Long View  
 Long View Lime Wks.....C  
**ARK**—Little Rock  
 Leiper & Mills.....B  
**CAL**—Los Angeles  
 California Portland Cement  
 Co. (Ground & Crushed).D  
 Union Lime Co.....A  
**CAL**—San Francisco  
 Cowell & Co., Henry....AAA  
 Hearfield, Bannister & Co.  
 C  
**CONN**—Brookfield  
 New England Lime Co.  
 AAAA  
**FLA**—Lowell  
 Meffert, J. M.....C  
**GA**—Lime Kiln  
 Grove Lumber Co., M. J..A  
**GA**—Savannah  
 Hanley Co., Andrew.....B  
**ILL**—Chicago  
 Artesian Stone & Lime Wks.  
 B  
 Chicago Union Lime Wks.  
 Co.....A  
 Marblehead Lime Co.,  
 Mason Temple.....A  
 Shultz, Fred. T., 638 So.  
 Halstead.....A  
 Wis. Lime & Cement Co.  
 Chamb. Com. Bldg.....B  
**ILL**—Fulton  
 Alden Lime Co.....A  
**ILL**—Kankakee  
 Kankakee Stone & Lime Co.  
 B  
**ILL**—Kinderhook  
 Marblehead Lime Co.....A  
**ILL**—Quincy  
 Menke Stone & Lime Co.,  
 F. W.....C  
**IND**—Evansville  
 Elchel Stone & Lime Co.  
 C  
**IND**—Fort Wayne  
 Bates & Co., E. M.....B  
**IND**—Mitchell  
 Mitchell Lime Co.....C  
**IND**—Putnamville  
 Keepert & Co., A. B.....C  
**IOWA**—Fort Dodge  
 Superior Mfg. Co.....A  
**IOWA**—Maquoketa  
 Hurst & Co., A.....A  
**MAINE**—Rockport  
 Eells Lime Co.....A  
**MAINE**—Thomaston  
 Creighton & Co., Jno. A..B  
**MD**—Baltimore  
 Maryland Lime & Cement  
 Co.....A  
 Platt & Co.....B  
 Stand. Lime & Stone Co..B  
 Wash. Building Lime Co..A  
**MD**—Buckeyetown  
 Stand. Lime & Stone Co..B  
 Washington Building Lime  
 Co.....A  
**MD**—Frederick  
 Grove Lime Co., M. J. ....A  
**MD**—Lee  
 Lee Lime Co. (Magnesian  
 White).....B  
**MD**—Le Grove  
 Le Grove Comb. Lime Co. B  
**MASS**—Adams  
 New England Lime Co.  
 AAAA  
**MICH**—Bay Shore  
 Bay Shore Lime Co. ....A



**LIME (Con.)**

**MICH.**—Detroit  
Burrell Chemical Co.  
(Acetate of) .....AA  
Houghton, Hy. ....B  
**MICH.**—Manistique  
White Marble Lime Co.  
(White) .....B  
**MICH.**—Petoskey  
Coughlan, T. R. ....AAAA  
**MICH.**—Traverse City  
Desmond Chemical Co.  
(Acetate) .....C  
**MINN.**—Mankato  
Fowler & Pay .....B  
**MINN.**—St. Paul  
Northwestern Lime Co. .C  
**MO.**—Auxvasse  
Marblehead Lime Co. ....A  
**MO.**—Centaur  
Centaur Lime Co. ....B  
**MO.**—Hannibal  
Hannibal Lime Co. ....B  
**MO.**—Kansas City  
Ash Grove White Lime  
Ass'n. ....A  
**MO.**—St. Louis  
Centaur Lime Co. ....B  
**N. J.**—German Valley  
Neighbor, E. J. ....C  
**N. J.**—Lincoln  
Atlas Mineral & Machine Co.  
(Flour; Vienna) .....D  
**N. J.**—McAfee  
N. J. Lime Co. ....A  
**N. J.**—Newark  
Newark Lime & Cement  
Mfg. Co. ....AAA  
Newark Rosendale Lime &  
Cement Co. ....A  
**N. Y.**—Brooklyn  
Wiarda & Co., John C.  
(Hydrated) .....AA  
**N. Y.**—Chazy  
Chazy Marble Lime Co. ..C  
**N. Y.**—Glens Falls  
Sherman Lime Co. ....A  
**N. Y.**—Rochester  
Whitmore, Rauber & Vicini-  
us .....A  
**N. Y.**—Troy  
Smith, Milo .....C  
**OHIO**—Cincinnati  
Strunk-Meyer Lime Co. .B  
**OHIO**—Cleveland  
James, Ralph T. ....C  
**OHIO**—Columbus  
Rock Plaster Mfg. Co. ....B  
**OHIO**—Dubring  
Bemis & Son, J. M. ....A  
**OHIO**—Easton  
Easton Lime Co. ....A  
**OHIO**—Frazier  
Knickerbocker Lime Co. .A  
**OHIO**—Ironton  
Kelley, Mrs. Lindsey ....B  
**OHIO**—Lime City  
Lime City Co. ....C  
**OHIO**—Marion  
Evans Lime & Stone Co.,  
Jno. ....A  
**OHIO**—Owens  
Owens & Son, Jno. D. ....A  
**OHIO**—Rocky Ridge  
Kingman, Joseph .....B  
**OHIO**—Springfield  
Mills Bros. ....A  
**OHIO**—Sugar Ridge  
Buckeye Lime Co. ....B  
Urschel Lime Co. ....C  
**OHIO**—Toledo  
Toledo White Lime Co.  
(Ground; Crushed) ....A  
**OREGON**—Portland  
McCracken Co., J. ....B  
**PA.**—Bradford  
Lewis Run Mfg. Co.  
(Acetate of) .....C  
Smith Chemical Co., A. B.  
(Acetate) .....B  
**PA.**—Brandt  
Kesler & Co. (Acetate) ..D  
**PA.**—Bridgeport  
David & Co., W. P. ....B  
**PA.**—Kane  
Forest Chemical Co.  
(Acetate of) .....B  
**PA.**—Norristown  
Lukens & Yerkes .....B  
Rambo, W. B. ....B  
**PA.**—Philadelphia  
Knickerbocker Lime Co. ..B  
**PA.**—Port Allegheny  
Wyman Chemical Co.  
(Acetate) .....C

**LIME (Con.)**

**PA.**—Scranton  
Keller, Luther .....A  
**PA.**—Tyrone  
Amer. Lime & Stone Co.  
(Caustic; Ground; Crushed  
Limestone; Hydrated) .....AAA  
**S. C.**—Gaffney  
Carrol & Co. ....B  
**TENN.**—Erin  
Rauscher, E. W. ....B  
**TEXAS**—Austin  
Austin White Lime Co. ...B  
**VA.**—Riverton  
Carson Lime Co. ....B  
**VA.**—Stevens City  
Grove Lime Co., M. J. ..B  
**WASH.**—Freeman  
Wash. Brick & Lime Mfg.  
Co. ....B  
**WASH.**—Tacoma  
Tacoma & Roche Harbor  
Lime Co. ....B  
**W. VA.**—Bakerton  
Wash. Building Lime Co. A  
**WIS.**—Eden  
Marblehead Lime Co. ...A  
**WIS.**—Mayville  
Mayville White Lime Wks.  
D  
**WIS.**—Milwaukee  
Western Lime & Cement Co  
B  
Northwestern Chemical Co.  
(Bi-Sulphite) .....B  
**WIS.**—Oshkosh  
Cook & Brown Co. ....A

**LIME:  
CHLORIDE**

**CAL.**—San Francisco  
Griswold & Co., E., 16th &  
R. I. Av .....B  
**ILL.**—Chicago  
Brookman Bros., (Columbia  
Chem. Wks.) 149 Huron, E  
Brookman Mfg. Co., 79 La  
Salle Av. ....D  
Champlon Chem. Wks., 208  
Michigan .....C  
**MICH.**—Detroit  
Acme White Lead & Color  
Wks. ....A  
**N. J.**—Hoboken  
Vanderbilt & Son, J., ft. 7th  
D  
**N. J.**—Jersey City  
Brookman Mfg. Co., 193  
Front .....D  
Champlon Chem. Wks., 177  
Franklin .....B  
Fuerst Bros. & Co., 2 Stone  
B  
Hirsch & Son, L., 368 Green-  
wich .....C  
Platt, H. B., 52 Cliff ....B

**LIMES**

**LA.**—New Orleans  
Dunbar's Sons, G. W.  
(Preserved) .....AA  
**N. Y.**—Buffalo  
Erie Preserving Co. (Pre-  
served) .....AA  
**N. Y.**—Community  
Onelda Community (Ltd.)  
(Preserved) .....AAA  
New York City  
Gordon & Dilworth (Pre-  
served) .....A

**LIMESTONE**

**OHIO**—Cleveland  
Malone Stone Co. ....A  
**OHIO**—Columbus  
Columbus Iron & Steel Co.  
AAAA  
**OHIO**—Youngstown  
Bessemer Limestone Co.  
(Concrete) .....A  
**PA.**—Harrisburg  
Spong, L. R. (Crushed) B  
**PA.**—New Castle  
Croton Limestone & Brick  
Co. (Crushed) .....C  
**PA.**—Pittsburg  
Blair Limestone Co.  
(Crushed) .....B

**LIMESTONE (Con.)**  
**TEXAS—Jacksboro**  
 Risley Bros. Co. (Blue) ..D

## LINCRUSTA

New York City  
 Beck & Co., F. (Walton) A

## LINDSEYS

See Woolen Goods

## LINEN GOODS

**MAINE—Snows Falls**

Linen Mfg. Co. ....A

**MASS.—Boston**

Mackintire, Lawrie Co.

(Importers) ....A

Nevins Co., 78 Chauncey ...A

N. J.—Wortendyke

Granite Linen Co. ....B

New York City

Anderson & Co., Wm.

(Import.) ....AAAA

Bacon & Co. (Com.) ..AAA

Ballin & Taylor (Import.)B

Baillinger & Elkin, 377

Bway. ....B

Beveridge, Erskine & Co.

(Ltd.) (Import.) ....A

Brice & Johnson (Import.)

Broadway Damask Co.

(Import.) ....A

Brookfield Linen Co.

(Import.) ....A

Brown & Co., Chas.

(Import.) ....A

Campbell, Metzger & Jacob-

son (Import.) ....B

Castle Island Linen Co.

(Import.) ....C

Conrad & Co., W. B. (Com.;

Import.) ....AAA

Don & Co., Wm. & Jno.

(Import.) ....AAAA

Douglas & Berry (Import.)

Duff & Benton (Import.) B

Duke, McMahon & Co.

(Import.) ....A

Duncan & Co., Jas.

(Import.) ....AA

Elliott & Co., Jas. (Import.)

Ewart & Son, (Ltd.) Wm.

(Import.) ....AAAA

Freund, Foise & Co.

(Import.) ....B

Gardner & Co., M. (Import.)

Girdwood & Co., Jas.

(Import.) ....B

Glass & Co., H. (Import.) A

Glendenning, McLeish & Co.

(Import.) ....A

Graham & Co., Jno.

(Import.) ....B

Grande Maison de Blanc

(Import.) ....B

Gribbon & Sons, E.

(Import.) ....AA

Haas & Co., S. (Import.) B

Inglis & Co. (Import.)AAAA

Jaffe & Pinkus, O.

(Import.) ....AA

Lamb, Finlay & Co.

(Import.) ....AA

Liddell & Co., Wm.

(Import.) ....AAAA

McBratney, Robt. (Import.)

McCann & Co., Jno.

(Import.) ....A

McConnell & Co., Edw.

(Import.) ....A

McCutcheon & Co., Jas.

(Import.) ....AA

McGibbon & Co. (Import.) A

McLeod & Co., Donald W.

(Import.) ....A

Macdermott, Wm. H.

(Import.) ....B

Matier & Co., H. (Import.)

Murphy & Stevenson & Co.

(Import.) ....A

Neuss, Hesslein & Co.

(Import.) ....B

Nevins Co., The (Com.) ...A

Reid & Co., Andrew

(Import.) ....AAAA

Remy, Schmidt & Pleissner

**LINEN GOODS (Con.)**

(Com.; Import.) ....AA

Richardson Sons & Owen, J.

N. (Import.) ....AAA

Riggs & Co., Geo. (Import.

Com.) ....A

Scott & Sons, Jas. (Import.

Com.) ....AAA

Thompson & Co., Jas.

(Import.) ....A

Ulmann & Co., Bernhard

(Import.) ....AAAA

Waentig, Chas. B.

(Import.) ....B

White & Co., Jas. F. (Com.;

Import.) ....AAAA

Wilmerding & Bisset (Com.)

York Street Flax Spinning

Co. (Import.) ....AAAA

**PA.—Philadelphia**

O'Neill, Wm. (Damask) ..C

Wardlow, Jno. & W., 1617

Frankfort (Damask) ..D

**LINERS**

**IND.—Kokomo**

Petroleum Hoop & Lumber

Co. (Head) ....B

**MASS.—Athol**

Starrett Co., L. S.

(Draughts-men's; Section)

**MO.—St. Louis**

Christy Fire Clay Co. (Cem-

ment Kiln) ....AAA

**N. Y.—Brooklyn**

Adams & Co., J. J. (Brick)

New York City

Bradley & Smith (Brick) AA

Gardam & Sons, W.

(Draughtsmen's) ....D

Hanlon & Goodman (Brick)

Keuffel & Esser Co.

(Section) ....AA

**OHIO—Akron**

Robinson Clay Product Co.

(Flue) ....AAAA

**OHIO—Hamilton**

Black-Clawson Co. (Sheet;

Paste) ....AAA

**WIS.—Beloit**

Beloit Iron Wks. (Paste;

Sheet) ....A

**LINES**

See also Cordage

**ALA.—Anniston**

Anniston Cordage Co.

(Clothes) ....B

**CONN.—Moodus**

New York Net & Twine Co.

(Fishing) ....A

**CONN.—New Haven**

Ives & Co., Hobart B.

(Sash) ....A

**CONN.—Norwich**

Ossawan Mills Co. (Masons';

Awning; Braided; Chalk;

Clothes; Solid Braided;

Trot; Twisted; Window)B

Turner Emerson Mfg. Co., P.

(Chalk; Masons'; Cotton

Clothes; Wire Clothes;

Garden) ....X

**CONN.—Westport**

Lees Mfg. Co. (Chalk) ....A

**GA.—Macon**

Bibb Mfg. Co. (Chalk;

Tarred) ....AAAA

**ILL.—Chicago**

American Steel & Wire Co.,

The Rookery (Deep Sea

Sounding) ....AAA

Carpenter Co., Geo. B. (Cot-

ton Clothes) ....AA

Roberts & Co., E. L.

(Awning) ....A

**KY.—Mayesville**

January & Wood Co. (Cotton

Clothes; Fishing) ....A

**MASS.—Arlington**

Dale, Mrs. M. (Clothes) ..E

**MASS.—Boston**

Amer. Net & Twine Co.

(Chalk; Fishing) ....AAA

Dame, Stoddard & Co.

(Fishing) ....A

Gloucester Net & Twine Co.

## LINES (Con.)

(Fishing) .....A  
 Lord Co., H. & G. W. (Fishing) .....A  
 Samson Cordage Wks., 115 Congress (Sash; Masons'; Awning; Chalk; Cotton Clothes; Braided; Garden; Solid Braided; Window) A  
 Silver Lake Co., 78 Chauncy (Sash; Awning; Braided; Chalk; Clothes; Garden; Masons'; Solid Braided) A  
**MASS.—Canton**  
 Mansfield Co., G. H. (Silk; Silk Braided Casting; Raw Silk; Waterproof; Enamelled Waterproof; Fishing) A  
**MASS.—Essex**  
 Mears, Hy. W. (Fish) ..E  
**MASS.—Fall River**  
 Estes & Son, Jno. H. (Cotton Clothes) .....A  
 Small Bros. (Cotton Clothes) D  
**MASS.—Hyde Park**  
 Gould Wire Cord Co. (Clothes) .....F  
**MASS.—New Bedford**  
 New Bedford Cordage Co. (Fishing) .....X  
**MASS.—North Grafton**  
 Palton, Wm. (Fish) ....AA  
**MASS.—Walpole**  
 Allen, J. & S. (Fish; Chalk) C  
**MASS.—Worcester**  
 Parker Wire Goods Co. (Wire Clothes) .....D  
 Wire Goods Co. (Wire Clothes) .....A  
 Wright Wire Co. (Wire Clothes) .....AA  
**MO.—St. Louis**  
 Ludlow-Saylor Wire Co. (Wire Clothes) .....AA  
**N. Y.—Buffalo**  
 Western Wire Goods Co. (Wire Clothes) .....D  
**N. Y.—Highland Mills**  
 Hall Sons Co., Hy. (Braided; Twisted Linen; Silk; Cotton Fish) .....D  
**N. Y.—Hornellsville**  
 Hollow Cable Mfg. Co. (Wire Clothes) .....B  
**New York City**  
 Abbey & Imbrie (Fish) ..A  
 Hoffman-Corr Mfg. Co., 107 Duane (Sash; Masons') AA  
**N. Y.—So. Otsego**  
 Gladding & Co., B. F. (Braided; Twisted Cotton; Silk Fish) .....B  
**N. Y.—Troy**  
 Draper & Son, W. H. (Chalk; Fish) .....B  
**N. Y.—Unadilla**  
 Tie Co. (Clothes) .....D  
**N. Y.—Utica**  
 Clark, Horrocks Co. (Fishing) .....A  
**N. C.—Charlotte**  
 Charlotte Cordage Co. (Clothes) .....D  
**OHIO—Cincinnati**  
 Jacobs Cordage Co. (Clothes) .....A  
**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred J. (Wire Clothes) .....B  
**PA.—Reading**  
 Jackson & Son (Clothes) AA  
**PA.—Williamsport**  
 Williamsport Wire Rope Co. (Wire Clothes) .....A  
**R. I.—Ashaway**  
 Ashaway Line & Twine Mfg. Co. (Fish) .....O  
**R. I.—Pawtucket**  
 Pawtucket Braided Line Co. (Fish) .....E

## LINGOES

**N. J.—Paterson**  
 Ferrary & Schauble Co. ..D  
 Hall & Co., I. A. (Loom) A

## LINIMENTS

**MD.—Baltimore**  
 Burrough Bros. Mfg. Co. A  
 Carrollton Chemical Co. ..F

## LINIMENTS (Con.)

McCormick & Co., 106 W. Falls Av. (Horse) ....D  
**MASS.—Boston**  
 Kennedy, Donald .....AA  
 Minards Liniment Mfg. Co., 221 Endicott .....E  
**MASS.—Chelsea**  
 Tweed Liniment Co. ....O  
**MASS.—Springfield**  
 Young, W. F. (Horse) ....D  
**New York City**  
 Pond's Extract Co., 76 5th Av. ....A  
**PA.—Philadelphia**  
 Hance Bros. & White, 621 Callowhill .....AA  
**PA.—Titusville**  
 Rice Soap Co. ....O  
**VT.—Bellows Falls**  
 Laboree Veterinary Medicine Co. (Horse) .....X

## LININGS

For Carpet Lining see also Paper; For Silk Lining see Silk Goods.

**CAL.—San Francisco**  
 Gladding, McBean & Co. (Flue) .....AA  
**COLO.—Denver**  
 Denver Fire Clay Co. (Blast Furnace; Cupola) ....AA  
 Golden Pressed & Fire Brick Co., 435 17th (Flue) ....A  
**CONN.—Middletown**  
 Palmer, I. E. (Dress; Crinoline) .....AAA  
**CONN.—Rockville**  
 Regan Mfg. Co., Jas. J. (Fleece) .....AA  
**CONN.—Willimantic**  
 Windham Silk Co. (Silk Dress) .....A  
**CONN.—Winsted**  
 Strong Mfg. Co. (Casket) A  
**DEL.—Wilmington**  
 Delaware Terra Cotta Co., (Chimney Flue) .....A  
**D. C.—Washington**  
 National Terra Cotta Wks. (Flue) .....A  
 Potomac Terra Cotta Co., Corcoran Bldg. (Flue) ..B  
**GA.—Atlanta**  
 Southern Terra Cotta Wks., 304 Chapel (Flue) ....X  
**GA.—Macon**  
 Stevens' Sons Co., H. (Flue) A  
**ILL.—Chicago**  
 Hopkins, H. H. (Paper Carpet) .....B  
 Pioneer Fire Proofing Co., 204 Dearborn (Flue) ....AA  
 Williams Co., N. A., Chamb. of Com. Bldg. (Flue) ..B  
**ILL.—Macomb**  
 Macomb Sewer Pipe Co. (Flue) .....B  
**ILL.—Monmouth**  
 Monmouth Mining & Mfg. Co. (Flue) .....AA  
**ILL.—Ottawa**  
 Pioneer Fireproofing Construction Co. (Chimney Flue) .....AA  
**ILL.—Streator**  
 Streator Clay Mfg. Co. (Flue) .....A  
**IOWA—Des Moines**  
 Iowa Pipe & Tile Co. (Chimney Flue) .....A  
**MD.—Baltimore**  
 Baltimore Terra Cotta Wks. (Flue) .....B  
 Clarke & Son, Wm. Wirt, 115 S. Gay (Flue) .....F  
**MASS.—Athol**  
 Millers River Mfg. Co. (Coat) .....D  
**MASS.—Beverly**  
 Nagle, J. W. (Shoe) ....H  
**MASS.—Boston**  
 Bishop, Robt. (Est. of) (Nat. Carpet Lining Co.) 157 W. 6th (Cotton Carpet) .....A  
 Boston Fire Brick Co. (Geo. M. Fiske, M'g'r) 164 Devonshire (Flue; Blast Furnace; Cupola) .....A

<b>LININGS (Con.)</b> ..	<b>LININGS (Con.)</b>
Fuller, B., 95 Albany (Shoe)	Brenack Paper Co., 16 Des-
B	brosses (Barrel) .....X
Munroe Felt & Paper Co.	Duffy & Co., J. P., 440 E.
(Carpet) .....A	138th (Flue) .....B
Union Carpet Lining Co.	Federal Clay Mfg. Co., 170
(Stitched Carpet) .....AA	Bway. (Flue) .....B
<b>MASS.—Canton</b>	Jackson Co., Wm. K. (Fire-
Draper Bros. & Co. (Boot;	place) .....A
Glove; Rubber Shoe) ..A	Kennedy Valve Mfg. Co.
<b>MASS.—Chicopee</b>	(Valve) .....AAA
Olmstead & Tuttle Co.	Marcus & Bro., M. H.
(Carpet) .....A	(Carpet) .....A
<b>MASS.—Dighton</b>	Maurer & Son, Henry, 420 E.
Dighton Stove Lining Co.	23rd (Flue) .....AA
(Stove) .....D	Murray & Brooking, 212
<b>MASS.—Lynn</b>	Church (Trunk; Bag;
Houghton Heel & Leather	Dress Suit Case, etc.) ..B
Co. (Rubber Shoe) ....X	New York Carpet Lining Co.
<b>MASS.—Methuen</b>	(Paper Carpet) .....F
Knitted Fabrics Co. (Fancy)	Pierson & Co., Arthur N., 1
B	Park Row (Flue) .....O
<b>MASS.—Somerset</b>	Reconstructed Granite Co.,
Somerset Stove Fdry. Co.	14 Dey (Sulphate Diges-
(Grate) .....D	ter) .....D
<b>MASS.—Springfield</b>	Scott & Sons, Jas. (Cotton)
Chapman & Co., J. B.	AAAA
(Steam Pump) .....E	N. Y.—Rochester
<b>MASS.—Taunton</b>	National Casket Co.
Presbrey Stove Lining Co.	(Casket) .....AAAA
(Stove; Fire Brick; Grate)	Rochester Sewer Pipe Co.,
B	Powers Blk. (Flue) ....B
Taunton Stove Lining Co.	N. Y.—Troy
(Stove) .....B	Adams Laundry Machine Co.
Union Stove Lining Co.	(Asbestos Stove) .....B
(Stove) .....C	Connors Paint Mfg. Co.,
Williams Stove Lining Co.	Wm. (Stove) .....A
(Stove) .....B	McLeod & Henry Co. (Stove;
<b>MASS.—Walpole</b>	Blast Furnace; Cupola) B
Lewis Batting Co. (Stitched	Ostrander Fire Brick Co.
Carpet) .....B	(Stove) .....A
<b>MASS.—Watertown</b>	N. C.—Pomona
Union Carpet Lining Co.	Pomona Terra Cotta Co.
(Carpet) .....A	(Chimney Flue) .....B
<b>MINN.—Winona</b>	<b>OHIO—Akron</b>
Union Fibre Co. (Car, Re-	Akron Fire Brick Co. (Stove)
frigerator) .....B	B
<b>MO.—Kansas City</b>	Robinson Clay Product Co.
Brockett Cement Co. (Flue)	(Flue) .....AAAA
B	<b>OHIO—Alliance</b>
Dickey Clay Mfg. Co., W. S.	Alliance Asbestos Mfg. Co.
(Flue) .....A	(Asbestos Stove) .....B
<b>MO.—St. Louis</b>	<b>OHIO—Cincinnati</b>
Evans & Howard Fire Brick	Cinn. Sewer Pipe Co.
Co., 920 Market (Flue)	(Chimney Flue) .....E
AAAA	<b>OHIO—Columbus</b>
Laclede Fire Brick Mfg. Co.,	Wassall Fire Brick Co.
103 N. 7th (Flue) ....AAA	(Flue) .....D
Missouri Fire Brick Co.	<b>OHIO—Empire</b>
(Cupola) .....B	Stratton Fire Clay Co.
Mound Coffin Co. (Coffin) A	(Flue) .....A
Parker & Russell Mining &	<b>OHIO—Haydensville</b>
Mfg. Co., 417 Pine (Flue;	Haydensville Co. (Chimney
Blast Furnace; Cupola)	Flue) .....A
AAA	<b>OHIO—Lockland</b>
<b>N. H.—Rochester</b>	Haldeman Paper Co. (Car-
Kiesel Fire Brick Co.	pet) .....A
(Stove) .....F	<b>OHIO—Logan</b>
<b>N. H.—Troy</b>	Hocking Clay Mfg. Co.
Troy Blanket Mills (Coat) B	(Flue) .....B
<b>N. J.—Hoboken</b>	<b>OHIO—Toronto</b>
Woodman, Joel H. (Veneer	Francys Sons & Co., Jno.
Car) .....A	(Chimney Flue) .....AAAA
<b>N. J.—Passaic</b>	<b>OHIO—Uhrichsville</b>
Alexander Silk Mills	Buckeye Fire Clay Co.
(Mohair) .....B	(Flue) .....B
<b>N. J.—Woodbridge</b>	<b>PA.—Allegheny</b>
Valentine Bros. Co., M. D.	Pittsburg Clay Pot Co.
(Blast Furnace; Cupola)	(Blast Furnace; Cupola) A
AA	<b>PA.—Beaver Falls</b>
<b>N. Y.—Albany</b>	Ingram-Richardson Mfg. Co.
Jackson, Jno. H., 142 S. 3rd	(Enameled Refrigerator)D
Av. (Flue) .....B	Knott, Harker & Co., (Fire-
<b>N. Y.—Brooklyn</b>	place) .....AA
Brooklyn Fire Brick Wks.,	<b>PA.—Castasauqua</b>
88 Van Dyke (Flue; Stove)	Dery, D. G. (Silk) .....A
A	<b>PA.—Clearfield</b>
<b>N. Y.—Buffalo</b>	Clearfield Clay Wkg. Co.
Hall & Sons, 69 Tonawanda	(Flue) .....B
(Stove) .....A	<b>PA.—Erie</b>
<b>N. Y.—Cossayuna</b>	Watson Co., H. F. (Paper
Alexander Blanket Co.	Carpet) .....AAA
(Blanket Cloth) .....D	<b>PA.—Franklin</b>
<b>N. Y.—Fonda</b>	Franklin Mfg. Co. (Asbestos
Fonda Glove Lining Co.	Stove) .....AA
(Glove) .....O	<b>PA.—New Brighton</b>
<b>N. Y.—Gloversville</b>	Pittsburg Clay Mfg. Co.
Gloversville Textile Co.	(Chimney Flue) ..AAAA
(Glove) .....O	<b>PA.—Patton</b>
<b>N. Y.—Lockport</b>	Patton Clay Mfg. Co. (Flue)
Lockport Paper Co. (Carpet)	AA
A	<b>PA.—Philadelphia</b>
New York City	Garrett & Son Co., C. S.
Abegg & Rusch (Worsted	(Carpet) .....AA
Dress) .....AAAA	Harvey, Moland & Co., 620

## LININGS (Con.)

Arch (Flue) .....X  
Sheppard & Co., Isaac A.  
(Fireplace) .....AAA  
Sweeney & Co., Geo., 1334  
Ridge Av. (Stove) ....AA  
Wolgamuth's Sons, F. F.  
(Silk Dress, etc.) .....D  
PA.—Pittsburg  
Amer. Sewer Pipe Co., 2nd  
Natl. Bk. Bldg. (Flue) .....AAAA  
Manown Mfg. Co. (Blast  
Furnace; Cupola) .....B  
Welch Gloninger & Maxwell  
(Blast Furnace.. Cupola) .....B  
PA.—Reading  
Fox & Co., E. S. (Stove) ..C  
R. I.—Pawtucket  
Goff & Sons, D. (Mohair) .....AAA  
Lebanon Mill Co. (Rubber)B  
S. C.—Spartanburg  
Morgan Wood & Iron Wks.  
(Stove) .....D  
TENN.—Chattanooga  
Montague & Co. (Chimney  
Flue) .....A  
VT.—Rutland  
Rutland Fire Clay Co.  
(Plastic Stove) .....B  
WASH.—Little Falls  
Little Falls Fire Clay Co.  
(Flue) .....B  
WASH.—Seattle  
Denney Clay Co. (Flue) ..A

## LINKS

See also Jewelry

CONN.—Bridgeport  
Bridgeport Chain Co.  
(Repair; Lap) .....X  
Smith & Egge Mfg. Co.  
(Split) .....A  
CONN.—New Haven  
Kilborn & Bishop Co. (Re-  
pair; Lap) .....C  
ILL.—Aurora  
Richards Mfg. Co. (Fusible) .....B  
ILL.—Chicago  
Ajax Forge Co. (R. R.  
Coupling) .....AA  
Gibson Co., Wm. D., 23 N.  
Clinton (Bed) .....B  
Union Drop Forge Co., 66 E.  
Ohio (Punched Chain)...X  
ILL.—Evanston  
Mark Mfg. Co. (Chain Belt) .....AA  
IND.—Indianapolis  
Over, Ewald (Chain) .....D  
MAINE—Portland  
Laughlin Co., Thos.  
(Chain) .....A  
MAINE—So. Portland Sts.  
Marine Hdw. Equipment  
Co. (Repair; Lap) .....D  
MASS.—Boston  
Harvey, Henry H. (Adjus-  
table Chain) .....B  
MASS.—Lowell  
Amer. Bolt Co. (Chain) ..X  
MASS.—Worcester  
Smith & Co., Thos.  
(Punched Chain) .....D  
N. Y.—Binghamton  
Titchener & Co., E. H.  
(Bed) .....B  
N. Y.—Buffalo  
Buffalo Forge Co. (R. R.  
Coupling) .....AA  
Pratt & Letchworth (Plow) .....AA  
N. Y.—Kenwood  
Onelda Community (Repair;  
Lap) .....AAAA  
New York City  
New Jersey Fdry. & Ma-  
chine Co., 15 Murray  
(Punched Chain) .....D  
Sargent & Co. (Repair;  
Lap) .....AAAA  
Tiebout, W. & J. (Repair;  
Lap) .....B  
N. Y.—Utica  
Foster Bros. Mfg. Co.  
(Wire) .....A  
OHIO—Akron  
Whitman & Barnes Mfg. Co.  
(Belting) .....AAAA

## LINKS (Con.)

OHIO—Cleveland  
Cleveland City Forge & Iron  
Co. (R. R. Coupling)...AA  
Federal Mfg. Co., Amer.  
Trust Bldg. (Punched  
Chain) .....AAAA  
PA.—Chester  
Keystone Drop Forge Wks.  
(Open Connecting; Car  
Coupling; Repair; Lap)...A  
PA.—Lebanon  
Amer. Iron & Steel Mfg. Co.  
(Chain) .....A  
PA.—Newcastle  
Newcastle Forge & Bolt  
Co. (Punched Chain)...B  
PA.—Philadelphia  
Hoopes & Townsend Co.,  
1330 Buttonwood (Chain) .....AAA  
Phosphor Bronze Smelt Co.  
(Ltd.) (Split) .....A  
PA.—Pittsburg  
Carnegie Steel Co. (Ltd.)  
(R. R. Couplings)...AAAA  
Jones & Laughlin Steel Co.  
(Car Coupling).....AAAA  
Pittsburg Forge & Iron Co.  
(R. R. Coupling) .....A  
Pittsburg Malleable Iron  
Co. (Chain Belt) .....A  
Standard Chain Co. (Car  
Coupling; Repair; Lap)...AAAA  
PA.—Scranton  
Scranton Forging Co. (Con-  
veyors' Chain) .....A  
PA.—Wilkesbarre  
Vulcan Iron Wks. (R. R.  
Coupling) .....AAAA  
PA.—York  
Schmidt & Co., Jno. C. (Br.  
Standard Chain Co.) (Re-  
pair; Lap) .....AAAA  
R. I.—Pawtucket  
Haskell Mfg. Co., Wm. H.  
(Punched Chain) .....A  
Pawtucket Mfg. Co.  
(Punched Chain) .....A  
R. I.—Providence  
Rhode Island Tool Co.  
(Punched Chain) ..AAA  
VA.—Richmond  
Tredegar Co. (R. R.  
Coupling) .....AAA  
W. VA.—Wheeling  
Wheeling Hinge Co. (Re-  
pair) .....AA  
WIS.—South Milwaukee  
Stowell Mfg. & Fdry. Co.  
(Belting) .....A

## LINOLEUM

ILL.—Chicago  
Chicago Linoleum Co., 371  
Hawthorne Av. ....A  
N. J.—Camden  
Farr & Bailey Mfg. Co....AAA  
N. J.—Kearney  
Nairn Linoleum Co....AAA  
N. J.—Trenton  
Standard Inlaid Mfg. Co..B  
Trenton Oil Cloth & Lino-  
leum Co. ....A  
New York City  
Amer. Linoleum Mfg. Co.,  
11 Thomas .....AA  
Wild & Co., Joseph, 11  
Thomas .....AAA  
N. Y.—Troy  
Powers & Sons, Deborah  
(Also Oil Cloth) .....A  
PA.—Philadelphia  
Blabon Co., Geo. W., 34 N.  
5th .....AAAA  
Potter Sons & Co. (Inc.),  
Thos., 522 Arch .....AAA

## LINTELS

KAN.—Emporia  
Emporia Fdry. & Mach.  
Wks. (Iron) .....D  
MICH.—Detroit  
Bolles Iron & Wire Wks.,  
J. E. (Iron) .....E  
MO.—St. Louis  
Christopher & Simpson Arch.  
Iron Fdry. Co. (Cast Iron) .....AA

**LINTELS (Con.)**

**N. Y.—Brooklyn**  
 Taylor & Co. (Inc.) (Iron) D  
 Diamond, Thos. (Iron) ..A  
 Dunn, Thos. J. (Stone)...C  
**N. Y.—Oxford**  
 Clark Bluestone Co., F. G.  
 (Stone) .....A  
**N. Y.—Warsaw**  
 Warsaw Bluestone Co.  
 (Stone) .....B  
**OHIO—Cleveland**  
 Duplex Hanger Co., 176 Co-  
 lumbus (Concrete Trussed) D  
**OHIO—Kenton**  
 Champion Iron Co. (Iron).. AA  
**PA.—Pittsburg**  
 Pittsburg Fdry. & Machine  
 Co. (Brick Building) ..D  
**TENN.—Memphis**  
 Chickasaw Iron Wks.  
 (Iron) .....A

**LINTERS**

**ALA.—Jacksonville**  
 Jacksonville Oil Mill Co.  
 (Cotton Seed) .....B  
**CONN.—New London**  
 Brown Cotton Gin Co.  
 (Cotton Seed) .....AA  
**GA.—Atlanta**  
 Van Winkle Gin & Mach.  
 Wks., E. (Cotton Seed) AAA  
**GA.—Columbus**  
 Mutual Cotton Oil Co.  
 (Cotton Seed) .....AAAA  
**MISS.—Vicksburg**  
 Advance Gin & Mill Co.  
 (Cotton Seed) .....B  
**TEXAS—Belton**  
 Belton Oil Co. (Cotton  
 Seed) .....D  
**TEXAS—Taylor**  
 Taylor Cotton Oil Wks.  
 (Cotton Seed) .....B

**LIQUIDS**

**CONN.—New Milford**  
 Bridgeport Wood Finishing  
 Co. (Bronzing) .....AA  
**ILL.—Chicago**  
 Matchless Metal Polish Co.  
 (Polishing) .....D  
**MICH.—Detroit**  
 Acme White Lead & Color  
 Wks. (Bronzing) .....AA  
**New York City**  
 Watts Sons, Jno. M.  
 (Polishing) .....D  
**PA.—Philadelphia**  
 French & Co., Saml. H., 4th  
 & Callowhill (Bronzing).. AAA  
 Lucas & Co., Jno., 322 Race  
 (Bronzing) .....AAAA

**LIQUORS**

**Wines; Brandy; Whiskey;**  
**Cordiales; Gin; etc.**

**CAL.—Esparto**  
 Esparto Winery (Wine  
 Growers) .....X  
**CAL.—Fresno**  
 Caliva Winery (Wine  
 Growers) .....X  
 Kohler & Frohling (Wine  
 Growers) .....X  
 St. George Vineyard Co.  
 (Wine Growers) .....D  
**CAL.—Irvington**  
 Grau & Werner (Wine  
 Growers) .....D  
**CAL.—Lamanda**  
 Sierra Madre Vintage Co.  
 (Wine Growers) .....C  
**CAL.—Livermore**  
 Pioneer Winery (Wine  
 Growers) .....X  
**CAL.—Los Angeles**  
 Goldschmidt Bros. (Wine  
 Growers) .....D  
 South Cal. Wine Co. (Wine  
 Growers) .....C  
 Stern & Sons, Chas. (Wine  
 Growers) .....A

**LIQUORS (Con.)**

**CAL.—Mission San Jose**  
 Salazar, A. J. (Wine  
 Growers) .....X  
**CAL.—Napa**  
 Napa Valley Wine Co.  
 (Wine Growers) .....X  
**CAL.—Oakland**  
 Gier Co., Theo. (Wine  
 Growers) .....C  
**CAL.—Oakville**  
 Brun & Chaix (Wine  
 Growers) .....B  
 To-Kalon Vineyard Co.  
 (Wine Growers) .....A  
**CAL.—Rutherford**  
 Ewer, S. (Wine Growers).C  
**CAL.—Sacramento**  
 Calif. Winery (Wine  
 Growers) .....A  
 Kohler & Van Bergen  
 (Wine Growers) .....X  
**CAL.—St. Helena**  
 Beringer Bros. (Wine  
 Growers) .....A  
 Greystone Winery (Wine  
 Growers) .....X  
**CAL.—San Francisco**  
 Berges & Dominiconi  
 (Wine Growers) .....A  
 Calif. Wine Assn. (Wine  
 Growers) .....AAAA  
 Chevalier Co., F. (Wine  
 Growers) .....A  
 Frapoll & Co., B. (Wine  
 Growers) .....A  
 French-Am. Wine Co. (Wine  
 Growers) .....A  
 Gundlach-Bundschu Wine  
 Co. (Wine Growers) .....A  
 Italian Swiss Colony (Wine  
 Growers) .....AAA  
 Lachman & Jacobi (Wine  
 Growers) .....AAA  
 Mt. Diablo Wine Co.  
 (Wine Growers) .....A  
 Napa Sonoma Wine Co.  
 (Wine Growers) .....C  
 Schilling & Co. (Wine  
 Growers) .....A  
 Wetmore-Bowen Co. (Wine  
 Growers) .....B  
**CAL.—San Gabriel**  
 Golden Gate Fruit Co.  
 (Orange Wine; Apricot  
 Brandy) .....C  
**CAL.—San Jose**  
 Mason, Paul (Wine  
 Growers) .....D  
 Pacific Winery (Wine  
 Growers) .....X  
**CAL.—Sonoma**  
 Drecel & Co. (Wine Grow-  
 ers) .....B  
**CAL.—Stockton**  
 West & Son, Geo. A. (Wine  
 Growers) .....A  
**CAL.—Vina**  
 Vina Distillery (Wine  
 Growers) .....AAAA  
**CAL.—Windsor**  
 Windsor Winery (Wine  
 Growers) .....D  
**CONN.—Hartford**  
 Heublin & Bros., G. F.  
 (Bitters) .....AA  
**DEL.—Dover**  
 Levy, Louis A. (Whiskey  
 Dist.) .....E  
**ILL.—Belleville**  
 Belleville Distillery Co.  
 (Whiskey Dist.) .....G  
**ILL.—Chicago**  
 Am. Bitters & Cordial Co.  
 (Bitters; Cordials) ...X  
 Delaney & Murphy (Whis-  
 key Dist.) .....A  
 Devinehy & Co., Chas.  
 (Whiskey Dist.) .....X  
 Hessler & Co., Julius  
 (Whiskey Dist.) .....AAAA  
 Rosenfeld Bros. & Co.  
 (Whiskey Dist.) .....AAA  
 Shufeldt & Co., H. H.  
 (Gin) .....B  
 Triner, Joseph (Bitters)...E  
**ILL.—Jacksonville**  
 Sellgman Bros. Whiskey  
 Dist.) .....C  
**ILL.—Pekin**  
 Am. Distilling Co. (Whiskey  
 Dist.) .....A  
 Globe Distillery (Whiskey

# LIQUORS (Con.)

Dist.) .....X  
**ILL.—Peoria**  
 Am. Spirits Mfg. Co.  
 (Whiskey Dist.).....AAAA  
**Clarke Bros. & Co. (Whiskey**  
**Dist.)** .....AA  
**Corning & Co. (Whiskey**  
**Dist.)** .....AAA  
**Stand. Distilling & Distrib.**  
**Co. (Whiskey Dist.)**..AA  
**ILL.—Rockford**  
**Graham Bros. (Whiskey**  
**Dist.)** .....E  
**IND.—Hammond**  
**Hammond Distilling Co.**  
**(Whiskey Dist.)** .....AA  
**IND.—Lawrenceburg**  
**Greendale Distillery Co.**  
**(Whiskey Dist.)** .....B  
**Sculbb & Co., W. P.**  
**(Whiskey Dist.)** .....A  
**IND.—Terre Haute**  
**Commercial Distilling Co.**  
**(Whiskey Dist.)** .....H  
**Indiana Distilling Co.**  
**(Whiskey Dist.)** .....B  
**Merchants Distilling Co.**  
**(Whiskey Dist.)** .....A  
**Terre Haute Dist. Co.**  
**(Whiskey Dist.)** ..AAAA  
**IND.—Vincennes**  
**Inter-State Distilling Co.**  
**(Whiskey Dist.)** .....X  
**KANS.—Atchison**  
**Doniphan Vineyards & Wine**  
**Co. (Wine Growers)** ...F  
**KY.—Bardstown**  
**Early Times Distilling Co.**  
**(Whiskey Dist.)** .....X  
**Mattingly & Moore Distill-**  
**ing Co. (Whiskey Dist.)** D  
**Moore, Tom (Whiskey**  
**Dist.)** .....D  
**Sutherland, Hy. (Whiskey**  
**Dist.)** .....G  
**Walker Co., F. G.**  
**(Whiskey Dist.)** .....D  
**KY.—Berry Station**  
**Craig, F. G. (Whiskey**  
**Dist.)** .....X  
**KY.—Bloomfield**  
**McClackey Son, B.**  
**(Whiskey Dist.)** .....G  
**KY.—Burgin**  
**Dowling Bros. (Whiskey**  
**Dist.)** .....C  
**KY.—Carrollton**  
**Jett Bros. Dist. Co.**  
**(Whiskey Dist.)** .....H  
**KY.—Chicago**  
**Smith & Smith (Whiskey**  
**Dist.)** .....E  
**KY.—Coonhollow**  
**Willow Springs Dist. Co.**  
**(Whiskey Dist.)** .....D  
**KY.—Covington**  
**Crigler & Crigler**  
**(Whiskey Dist.)** .....D  
**Woodland & Buffalo Springs**  
**Distillery (Whiskey Dist.)** X  
**N. E. Distilling Co. (Rum**  
**Distillers)** .....C  
**KY.—Cynthiana**  
**Ashbrook Distilling Co., F.**  
**S. (Whiskey Dist.)** ...B  
**KY.—Dant**  
**Dant Distillery Co.**  
**(Whiskey Dist.)** .....D  
**KY.—Deatsville**  
**Samuels, T. W. (Whiskey**  
**Dist.)** .....D  
**KY.—Eminence**  
**Eminence Distillery Co.**  
**(Whiskey Dist.)** .....B  
**KY.—Fairfield**  
**McKenna & Co., H.**  
**(Whiskey Dist.)** .....C  
**KY.—Frankfort**  
**Frankfort Distillery Co.**  
**(Whiskey Dist.)** .....B  
**Gaines & Co., W. A.**  
**(Whiskey Dist.)** .....A  
**Kty. Distilleries & Ware-**  
**house Co. (Whiskey Dist.)** AAAA  
**Labrot & Graham (Whiskey**  
**Dist.)** .....A  
**Stagg Co., Geo. T. (Whis-**  
**key Dist.)** .....A

# LIQUORS (Con.)

**KY.—Gethsemane**  
**Beam & Co., M. O.**  
**(Whiskey Dist.)** .....D  
**Head & Co., F. M.**  
**(Whiskey Dist.)** .....E  
**KY.—Greenbrier**  
**Greenbrier Distillery Co.**  
**(Whiskey Dist.)** .....A  
**KY.—Harrodsburg**  
**Thompson, J. B. (Whiskey**  
**Dist.)** .....X  
**KY.—Henderson**  
**Kraver, Hy. (Whiskey**  
**Dist.)** .....D  
**Winsted & Son, A. S.**  
**(Whiskey Dist.)** .....E  
**KY.—Lawrenceburg**  
**Dowling & Co., Jno.**  
**(Whiskey Dist.)** .....C  
**Hoffman Distilling Co.**  
**(Whiskey Dist.)** .....D  
**Moore, D. L. J. (Whiskey**  
**Dist.)** .....X  
**Saffel, W. B. (Whiskey**  
**Dist.)** .....B  
**KY.—Lexington**  
**Mueller, Wathen & Kobert**  
**(Whiskey Dist.)** .....A  
**KY.—Lexington**  
**Curley & Co., E. J.**  
**(Whiskey Dist.)** .....B  
**Pepper & Co., Jas. E.**  
**(Whiskey Dist.)** .....A  
**Stoll & Co. (Whiskey Dist.)** A  
**KY.—Lovetto**  
**Burks Spring Distillery Co.**  
**(Whiskey Dist.)** .....D  
**Cummins & Co., K.**  
**(Whiskey Dist.)** .....E  
**KY.—Louisville**  
**Barbee & Co., Jno. T.**  
**(Whiskey Dist.)** .....A  
**Bernheim Distilling Co.**  
**(Whiskey)** .....AAAA  
**Bonnie Bros. (Whiskey**  
**Dist.)** .....AA  
**Brown Founder Co.**  
**(Whiskey Dist.)** .....B  
**Brown & Sons, J. T. S.**  
**(Whiskey Dist.)** ..AAAA  
**Ehrmann, Hilmar & Co.**  
**(Whiskey Dist.)** .....C  
**Ferncliff Distillery Co.**  
**(Whiskey Dist.)** .....B  
**Glencoe Distilling Co.**  
**(Whiskey Dist.)** .....B  
**Grabfelder & Co., S.**  
**(Whiskey Dist.)** ....AAA  
**Greenbaum, S. J.**  
**(Whiskey Dist.)** .....AA  
**Mellwood Distillery Co.**  
**(Whiskey Dist.)** .....A  
**Moore, Jesse, Hunt Co.**  
**(Whiskey Dist.)** .....A  
**Old Kty. Distillery**  
**(Whiskey Dist.)** .....A  
**Rugby Distilling Co.**  
**(Whiskey Dist.)** .....A  
**Sachs & Sons, D.**  
**(Whiskey Dist.)** .....AA  
**Selliger & Co., Max**  
**(Whiskey Dist.)** .....AAA  
**Stitzel Distilling Co.**  
**(Whiskey Dist.)** .....C  
**Thixton, Millett & Co.**  
**(Whiskey Dist.)** .....A  
**Uri & Co., Nathan M.**  
**(Whiskey Dist.)** .....A  
**Wathen & Co., R. E.**  
**(Whiskey Dist.)** .....A  
**Wright & Taylor**  
**(Whiskey Dist.)** ....AA  
**Rogers & Co., J. H.**  
**(Whiskey Dist.)** .....B  
**KY.—McBrayer**  
**Searcy, Wiley (Whiskey**  
**Dist.)** .....E  
**KY.—Maysville**  
**Pogne Distillery Co., H. E.**  
**(Whiskey Dist.)** .....B  
**Poyntz Bros. (Whiskey**  
**Dist.)** .....G  
**KY.—Memphis Junction**  
**Spring Water Distilling Co.**  
**(Whiskey Dist.)** .....X  
**KY.—Murphy**  
**Murphy & Co., Ed.**  
**(Whiskey Dist.)** .....D  
**KY.—Orr**  
**Dav. Jno. E. (Whiskey**  
**Dist.)** .....D

# LIQUORS (Con.)

**KY.—Owensboro**  
Davless Co. Distilling Co.  
(Whiskey Dist.) .....H  
Field & Son, J. W. M.  
(Whiskey Dist.) .....E  
Glenmore Distilling Co.  
(Whiskey Dist.) .....A  
Greene River Dist. Co.  
(Whiskey Dist.) .....A  
Mattingly, M. P. (Whiskey  
Dist.) .....C  
Rock Spring Distilling Co.  
(Whiskey Dist.) .....A  
**KY.—Paducah**  
Friedman, Keller & Co.  
(Whiskey Dist.) .....AA  
**KY.—Pleasure Ridge Park**  
Pleasure Ridge Park Dist.  
Co. (Whiskey Distillers) .....A  
**KY.—Poindexter**  
Wiglesworth Bros. Co.  
(Whiskey Dist.) .....D  
**KY.—Raywick**  
Head Distilling Co., W. H.  
(Whiskey Dist.) .....D  
**KY.—Salvisa**  
Dedman, C. M. (Whiskey  
Dist.) .....D  
**KY.—Samuels**  
Samuels & Co., W. B.  
(Whiskey Dist.) .....E  
**KY.—Silver Creek**  
Burnam, Bennett & Co.  
(Whiskey Dist.) .....A  
**KY.—Versailles**  
Frazier, W. T. (Whiskey  
Dist.) .....F  
**LA.—New Orleans**  
Dunbars' Sons, G. W., 3400  
Charters (Cordials) ....A  
La. Distilling Co. (Whiskey  
Dist.) .....B  
**MD.—Accident**  
Miller Sons, M. J. (Whiskey  
Dist.) .....F  
**MD.—Baltimore**  
Abbott & Co., C. W., 17 S.  
Charles Angostura Bit-  
ters) .....A  
Balto. Distilleries Co.  
key Dist.; Bitters) ...A  
Canton Distilleries Co.  
(Whiskey Dist.) .....B  
Carroll Springs Distilling  
Co. (Whiskey Dist.)....B  
Highspire Distillery Co.  
(Ltd.) (Whiskey Dist.)...D  
Md. Distilling Co. (Whiskey  
Dist.) .....A  
Milvale Distillery Co.  
(Whiskey Dist.) .....AA  
Monticello Distilling Co.  
(Inc.) (Whiskey Dist.)AA  
Roxbury Distilling Co.  
(Whiskey Dist.) .....A  
Sharpe & Dohme (Cordials)  
AAA  
Sherwood Distilling Co.  
(Whiskey Dist.) .....A  
Wineke-Bauernschmidt Co.  
(Whiskey Dist.) .....B  
**MD.—Burkittsville**  
Pure Rye Distilling Co.  
(Whiskey Dist.) .....B  
Horsey, Outerbridge Co.  
(Whiskey Dist.) .....C  
**MD.—Carrollton**  
McGinnis Co., A. (Whiskey  
Dist.) .....D  
**MD.—Cumberland**  
Clark Dist. Co., Jas.  
(Whiskey Dist.) .....B  
**MD.—Hyattstown**  
Price, Levi (Whiskey Dist.)  
E  
**MD.—Kings Valley**  
King, Luther G. (Whiskey  
Dist.) .....C  
**MD.—Leitersburg**  
Rock Forge Dist. Co.  
(Whiskey Dist.) .....X  
**MD.—Mt. St. Marys**  
Cretin, Jno. T.  
(Whiskey Dist.) .....E  
**MD.—Pikesville**  
Winand Distilling Co.  
(Whiskey Dist.) .....O  
**MASS.—Boston**  
Chapin, Truell & Co.  
(Whiskey Dist.) .....A  
Chase & Co., Danl. E.

# LIQUORS (Con.)

(Rum Dist.) .....A  
Everett Distilling Co.  
(Rum Dist.) .....X  
Farris & Co., Wm. A.  
(Bitters) .....H  
Felton & Son (Rum Dist.)B  
Lawrence & Son, Danl.  
(Rum Dist.) .....AAAA  
**MASS.—Newburyport**  
Caldwell, A. & G. T.  
(Rum Dist.) .....AA  
**MINN.—St. Paul**  
Benz & Sons, Geo. (Whiskey  
Dist.) .....AAA  
**MO.—Herman**  
Stone Hill Wine Co. (Wine  
Growers) .....A  
**MO.—St. Louis**  
American Wine Co. (Champ-  
pagne) .....A  
Mound City Distilling Co.  
(Whiskey Dist.) .....AA  
Tilden Co., 1718 Olive  
(Cordials) .....A  
**NEBR.—Omaha**  
Iler & Co. (Whiskey Dist.)  
G  
**N. Y.—Albany**  
Columbia Distilling Co.  
(Whiskey Dist.) .....A  
**N. Y.—Brooklyn**  
Am. Chianti Wine Co.  
(Wine Growers) .....E  
Ryckman & Son, G. E.  
(Wine) .....B  
**N. Y.—Brooklyn**  
Hasbrouck & Co., John L.  
(Gin) .....B  
**N. Y.—Buffalo**  
Buffalo Distilling Co. (Gin;  
Whiskey Dist.) .....AAAA  
Meadville Distilling Co.  
(Whiskey Dist.) .....A  
**N. Y.—Hammondsport**  
Columbia Wine Co. (Wine)  
A  
Freidell Winery Co. (Wines)  
X  
Germania Wine Cellars  
(Wines) .....A  
Hammondsport Valley Wine  
Cellars (Wines) .....X  
Monarch Grape & Wine Co.  
(Wine) .....B  
New Hammondsport Wine  
Co. (Wine) .....B  
Roualet Wine Co. (Wine).D  
White Top Champagne Co.  
(Champagne) .....B  
**N. Y.—Himrod**  
Severne Wine Co.  
(Champagne) .....A  
**New York City**  
Adams & Co., 220 Front  
(Cordials) .....A  
Alexander & Co., J., 97  
Water (Cordials) .....D  
Ardin, L. (Import.) .....E  
Arnold & Co., C. H. (Imp.  
Champagne) .....D  
Baird-Daniels Co., 75 Dey  
(Gin) .....C  
Baldwin Bros. & Co.  
(Imp.) .....E  
Bass, Batcliff & Gretton  
(Imp.) .....X  
Batjer & Co. (Imp. Brandy;  
Rum; Wines; Bitters;  
Cordials) .....AAA  
Bell Co., J. M. (Imp.)...A  
Benedict Co., Jos. (Imp.  
Wines; Brandies; Gin,  
etc.) .....D  
Blache & Co., Oct. C. (Imp.  
Rum; Brandy; Gin; Bit-  
ters) .....B  
Blackburn & Co., Edw.  
(Imp.) .....B  
Blum Jr.'s Sons, A. (Imp.)  
X  
Bouche Fils & Co. (Imp.  
Cordials) .....X  
Buchanan & Co., Jas. (Imp.)  
X  
Burke, Edw. & John (Ltd.)  
(Imp.) .....AAAA  
Burke Imp. Co., John (Imp.)  
A  
Burnham Co., E. S. (Bit-  
ters) .....A  
Calif. Wine Assn. (Wine  
Assn.) .....AAAA



# LIQUORS (Con.)

Carter Medicine Co., 57 Murphy (Bitters) .....B  
 Casanove Champagne Co. (Imp. Champagne) .....X  
 Chapin & Co., N. (Imp.)...X  
 Conti, Cesaere (Imp.)...A  
 Cook & Bernheimer Co. (Inc.), 150 Franklin (Whiskey; Cordials; Impts.) .....AAAA  
 Cusinler Co., 110 Broad (Imp. Wine; Brandy; Champagne; Gin) .....X  
 De Bary & Co., Fredk. (Imp. Champagne) .....A  
 De Luze & Co., Francis O., 18 S. William (Imp. Wines; Brandies; Champagnes; Irish Whiskey).D  
 De Montebello, Alfred & Co. (Imp. Champagne) .....A  
 Du Vivier & Co. (Imp. Champagne) .....X  
 Eugs & Sons (Inc.), P. W., 208 B'way (Import Wines; Brandies; Cordials) .....A  
 Federal Distilling Co. (Whiskey Dist.) .....X  
 Feldmann, Ernst (Imp.)...X  
 Finlay & Co., H. P. (Imp.) X  
 Fleischmann & Co. (Whiskey; Gin Dist.)...AAAA  
 Fleischmann & Co., 600 W. 34th (Whiskey; Gin Dist.) AAAA  
 Francklyn & Co., R. (Imp.) D  
 Funke, Jr., L., 72 Beekman (Cordials) .....A  
 Gandolfi & Co., L. (Imp.)...A  
 Glassup, Fredk. (Imp.)...X  
 Gourd, Hy. E. (Imp.)...B  
 Graef & Co., Chas. (Imp. Champagne) .....B  
 Gretsche & Birth (Imp.)...X  
 Gundlach-Bundschu Wine Co. (Wines) .....AA  
 Habernicht & Co., A. (Imp. Champagne) .....E  
 Habbenden & Van Biel (Imp. Champagne) .....C  
 Hall & Co., F. de Peyster (Imp.) .....X  
 Halliday & Co., A. (Imp. Irish Whiskey) .....A  
 Handrich & Son, Fritz (Imp.) .....A  
 Hartman, Goldsmith & Co. (Imp.) .....A  
 Hauselt & Luneschloss (Imp. Champagne) .....D  
 Henry & Co., R. B., 30 Beaver (Imp.) .....B  
 Hochstadler Co., 227 Front (Cordials) .....B  
 Hossfeld & Wierl (Imp.)...B  
 Jacquin et Cie., 227 Front (Cordials) .....A  
 Johnstone & Ross Bros. (Imp.) .....X  
 Jameson & Son, Jno., 29 B'way (Irish Whiskey; Italian Vermuth) .....X  
 Joseph, James (Imp.) .....D  
 Karatsonyi & Kmetz (Imp.) X  
 Kty. Distilleries & Warehouse Co. (Whiskey Dist.) AAAA  
 Kessler & Co., Geo. A. (Imp.) .....B  
 Kirk & Co., H. B. (Imp.)...A  
 Kitz, Augustus J., 70 Broad (Imp. Champagne) X  
 Krans & Bro., S. (Imp.)...AA  
 Krauss & Kinef (Imp.)...X  
 Kroger & Co., Hy. (Imp.) AA  
 La Montagne & Sons, E., 45 Beaver (Imp. Claret; Sauternes; Gin) .....AA  
 Luters, Oscar B. (Imp.)...X  
 Luyties Bros. (Imp.)...B  
 McCunn, Jas. M. (Imp.)...D  
 McMullen & Co., Thos. (Imp.) .....AA  
 May, J. S. (Imp.) .....X  
 Moehring & Co., Wm. G. (Imp.) .....A

# LIQUORS (Con.)

N. Y. & Kty. Co. (Imp.).... AAA  
 Nicholas, Geo. S. (Imp.)...A  
 Nohn & Sons (Imp.) .....X  
 Oberfelder, Max (Imp.)...B  
 Oechs, Anthony (Imp. Champagne) .....AA  
 Osborn, Chas. R. (Imp.)...X  
 Paris, Allen & Co. (Imp.) AAAA  
 Phelan & Duval (Imp.)...A  
 Pick Import. Co. (Imp.)...F  
 Psiaki Bros., 104 Wall (Imp. Greek Brandy) ...X  
 Regent Cordial Co., 330 Spring (Cordials) .....F  
 Reid & Co., Jas. (Imp.)...X  
 Rath & Co., Nicholas, 30 S. William (Imp. Scotch Whiskey; Gin; Rum; Wines, etc.) .....AA  
 Renauld & Niederstadt (Imp.) .....AA  
 Ripin & Co. (Imp. Champagne) .....C  
 Roche, Jas. B. (Imp.)...F  
 Roederer, Louis (Imp. Champagne) .....X  
 Roosevelt & Schuyler, 62 Stone (Imp. Champagne Scotch Whiskey) .....A  
 Rose, J. G. (Imp.) .....X  
 Rose & Bro., W. A. (Imp. Gin) .....B  
 Ross & Bro., W. A. (Imp. Gin) .....B  
 Rinnart & Co., Paul (Imp. Champagne) .....X  
 Schmidt & Peters, C. F. (Imp.) .....A  
 Shaw & Co., Alex. D. (Imp.) .....B  
 Smith, Julius Paul (Cal. Wine Growers) .....B  
 Solomon, Jr., & Co., A. A., 37 Beaver (Imp. Brandies; Wines; Cordials) .....E  
 Spiegel & Steiner, Chas. (Imp.) .....AA  
 Stand. Distilling & Distributing Co. (Whiskey Dist.) AAAA  
 Starace, Achille (Imp.)...B  
 Streit & Co., Saml. (Imp.) A  
 Taylor & Co., W. A. (Imp.) D  
 Thomson, Duntze & Co. (Imp.) .....X  
 Van Rensselaer, S. & C. A. (Imp.) .....B  
 Walden, Franklin (Imp.)...X  
 Werner & Co., A., 42 Broad (Champagne) .....X  
 Wildersinn, E. (Imp.)...X  
 Wile, Sons & Co., Julius, 148 Duane (Imp. Wines; Cordials; Bitters; Gin).A  
 Wilson, J. & R. (Imp.)...D  
 Wolfe Co., Udolpho (Imp.) B  
 Wuppermann, I. W., 29 B'way (Bitters; Cordials) D  
 N. Y.—Penn Yan  
 Empire State Wine Co. (Wine Growers) .....A  
 N. Y.—Rheims  
 Pleasant Valley Wine Co. (Champagne) .....AAA  
 N. Y.—Urbana  
 Urbana Wine Co. (Champagne) .....A  
 N. C.—Weldon  
 Garrett & Co. (Wine Growers) .....X  
 OHIO—Cincinnati  
 Berkeley Dist. Co., Wm. (Whiskey Dist.) .....D  
 Block & Sons, Chas. (Whiskey Dist.) .....AAAA  
 Clifton Springs Dist. Co. (Whiskey Dist.) .....AA  
 Edgewood Distilling Co. (Whiskey Dist.) .....AA  
 Fleischmann & Co. (Dist.) AAAA  
 Freiburg & Workum (Whiskey; Gin Dist.)... AAAA  
 Hofheimer Bros. Co. (Whiskey Dist.) .....X

**LIQUORS (Con.)**

Johnson & Co., W. W.  
(Whiskey Dist.) .....X  
Levy & Bro., Jas. (Dist.)...AAAA  
Mihaloviter, Fletcher & Co.,  
516 E. Pearl (Cordials) AA  
Mill Creek Dist. Co.  
(Whiskey Dist.) .....X  
Old '76 Distilling Co.  
(Whiskey Dist.) .....A  
Peacock Distillery Co.  
(Whiskey Dist.) .....A  
Rheinstrom, Bettman, John-  
son & Co. (Brandy)...AA  
Rheinstrom Bros. (Champ-  
agne; Liqueurs; Cor-  
dials Vermouth) .....AA  
Sunny Side Distilling Co.  
(Whiskey Dist.)...AAAA  
Union Distilling Co.  
(Whiskey Dist.) .....AAA  
Walsh & Co., Jas. (Whis-  
key Dist.) .....AAAA  
Westheimer & Sons, F.  
(Whiskey Dist.) .....AAAA  
**OHIO—Dayton**  
Haynes Distilling Co.  
(Whiskey Dist.) .....AA  
**OHIO—Germantown**  
Rohrer, D. (Whiskey Dist.) A  
**OHIO—Kelleys Island**  
Kelley's Island Wine Co.  
(Wine Growers) .....A  
Union Wine Co. (Wine  
Growers) .....B  
**OHIO—Newark**  
Styron, Beggs & Co.  
(Cordials) .....A  
**OHIO—Sandusky**  
Dorn, Jno. (Wine Growers) A  
Duroy & Haines Co.  
(Wine Growers) .....A  
Engels & Krudwig Wine Co.  
(Wine Growers) .....A  
Hommel Wine Co., M.  
(Champagne) .....A  
Moos, Edw. R. (Wine  
Growers) .....D  
Sandusky Wine & Brandy  
Co. (Wines; Brandy)...B  
Schmidt & Bro., A., Jr.  
(Wine Growers) .....A  
Stenck, Edw. L. (Wine  
Growers) .....D  
Strobel, Jno. E. (Wine  
Growers) .....D  
Sweet Valley Wine Co.  
(Wine Growers) .....A  
**OHIO—Toledo**  
Brand Wine Co., Hy.  
(Wine) .....A  
Lenk Wine Co. (Wine  
Growers) .....AA  
**OHIO—Trebein**  
Colonial Distillery Co.  
(Gin; Whiskey Dist.)...X  
**PA.—Benton**  
McHenry-Rohr Dist. Co.  
(Whiskey Dist.) .....A  
**PA.—Exeter Station**  
Neversink Distilling Co.  
(Whiskey Dist.) .....X  
**PA.—Glen Rock**  
Foust, Wm. (Whiskey  
Dist.) .....AA  
**PA.—Grays Landing**  
Gray, J. R. (Whiskey Dist.) D  
**PA.—Lucasco**  
Schenley Distilling Co.  
(Whiskey Dist.) .....AA  
**PA.—McKeesport**  
Moore Dist. Co., Thos.  
(Whiskey Dist.) .....A  
**PA.—Philadelphia**  
Carstairs Bros. (Whiskey  
Dist.) .....AAA  
Catherwood, H. & H. W.  
(Whiskey) .....A  
Dougherty's Sons, J. A.  
(Whiskey Dist.) .....AA  
Hannis Distilling Co.  
(Whiskey Dist.) ...AAA  
Miller Pure Rye Distilling  
Co. (Whiskey Dist.)...B  
Moore & Sinnott (Whiskey  
Dist.) .....AAA  
Phila. Pure Rye Whiskey

**LIQUORS (Con.)**

Dist. Co. (Whiskey Dist.) A  
Young Co., Alex. (Whiskey  
Dist.) .....A  
**PA.—Pittsburg**  
Economy Distilling Co.  
(Whiskey Dist.) .....B  
Hamburger Co., Ph.  
(Whiskey Dist.) .....AA  
Hostetter Co. (Bitters;  
Cordials) .....A  
Large Distilling Co.  
(Whiskey Dist.) .....B  
Moore Distillery Co.  
(Whiskey Dist.) .....C  
Overholt & Co. (Whiskey  
Dist.) .....AAAA  
Thompson Dist. Co.  
(Whiskey Dist.) .....AA  
Vandergrift Dist. Co.  
(Distillers) .....F  
**PA.—Ruffs Dale**  
Dillings & Sons, S.  
(Whiskey Dist.) ...AAAA  
**PA.—Waynesboro**  
Pen-Mar Dist. Co.  
(Whiskey Dist.) .....C  
**TENN.—Nashville**  
Nelson, Chas. (Whiskey;  
Apple; Peach Brandy)...AAA  
**TEXAS—Dallas**  
Star Mfg. Co. (Cordials)..G  
**WIS.—Milwaukee**  
Herbat Importing Co.  
(Whiskey) .....A  
Lake Side Dist. Co.  
(Whiskey Dist.) .....A  
Nat. Distilling Co. (Whis-  
key; Gin Dist.) .....AA  
**WIS.—Oshkosh**  
Roewekamp Bros. (Bitters) D

**LISTERS**

See Agr. Implements

**LITHARGE**

See also Lead; Paints.

**CAL.—Los Angeles**  
Braun Co., F. W. ....AAA  
**CAL.—San Francisco**  
Fuller & Co., W. P. ....AAAA  
**ILL.—Chicago**  
Carter White Lead Co. ....AAA  
Rubber Paint Co. ....A  
**MASS.—Boston**  
Chadwick-Boston Lead Co. AAA  
**N. Y.—Brooklyn**  
Wiarda & Co., Jno. C. .AA  
New York City  
F. W. Devoe & C. T.  
Reynolds Co. ....AAAA  
Longman & Martinez. ....AAA  
Valentine & Co. ....AAAA  
**OHIO—Cincinnati**  
Eagle White Lead Co. ....AAA  
**OHIO—Cleveland**  
Morley Lead Wks., J. H. ... AAAA  
**PA.—Philadelphia**  
Harrison Bros. & Co. ....AAA  
Lewis & Bros., Jno. T. .... AAAA  
Wetherill & Bro., White  
Lead Wks. ....AAA  
**PA.—Pittsburg**  
National Lead & Oil Co. of  
Pa. ....AAAA  
Pennsylvania Smelting Co. C  
Sterling Varnish Co. ....A  
**PA.—Reading**  
Wilhelm & Co., A. ....AA

**LITHOPONE**

New York City  
Bartels & Co., Ernest ....B  
Gabriel & Schall .....B  
Heller & Merz Co. ....AA

**LITMUS**

**PA.—Easton**  
Baker & Adamson Chem. Co. A

## LITTERS

**ILL.**—Bradley  
Bradley Mfg. Co., David  
(Vehicle) .....AAA  
**IND.**—Indianapolis  
Armstrong & Co., Wm. H.  
(Vehicle) .....B  
**WIS.**—Racine  
Gold Medal Camp Furniture  
Co. (Army) .....B

## LIZARD

See Leather

## LOADERS

See also Agr. Implements

**ARK.**—Newport  
Pond-Decker Mfg. Co.  
(Log) .....A  
**ILL.**—Allenville  
Ideal Car Loader Co.  
(Grain Car) .....X  
Western Wheeled Scraper  
Co. (Wagon) .....AA  
**ILL.**—Canton  
Parlin & Orendorff Co.  
(Hay) .....AAAA  
**ILL.**—Chicago  
Eaton Mfg. Co., W. T., 4  
Sherman (Grain) .....A  
National Drill & Mfg. Co.,  
Pullman Bldg. (Wagon).B  
Park-Gate Mfg. Co., Ash-  
land Bldg. (Ore; Coal).D  
Webster Mfg. Co., 1075 W.  
15th (Grain Car) .....AA  
**ILL.**—Decatur  
Williams Mfg. Co. (Also  
Weighers; Baggers;  
Grain) .....H  
**ILL.**—Harvey  
Austin Mfg. Co. (Wagon)..  
AA  
**ILL.**—Litchfield  
Litchfield Fdry. & Machine  
Co. (Box Car) .....A  
**ILL.**—Maroa  
Maroa Mfg. Co. (Car) ....B  
**ILL.**—Marseilles  
Marseilles Mfg. Co. (Hay).A  
**ILL.**—Meadows  
Meadows Mfg. Co. (Car)..E  
**ILL.**—Moline  
Deere & Mansur Co. (Hay)  
AA  
**ILL.**—Ottawa  
Porter Co., J. E. (Hay) ..A  
**ILL.**—Peoria  
Hart Grain Weigher Co.  
(Also Weighers; Baggers;  
Grain) .....A  
**ILL.**—Rock Island  
Rock Island Plow Co.  
(Hay) .....AAA  
**ILL.**—Sandwich  
Sandwich Mfg. Co. (Clean  
Sweep Hay) .....AA  
**ILL.**—Springfield  
Aetna Fdry. Machine Co.  
(Box Car) .....B  
**ILL.**—Sterling  
Keystone Mfg. Co. (Hay).  
AA  
Sterling Mfg. Co. (Hay)..A  
**IND.**—Connorsville  
Roots Co., P. H. & F. M.  
(Steam Log) .....AA  
**IND.**—Indianapolis  
Pneumatic Elevator &  
Co. (Also Weighers; Bag-  
gers; Grain) .....A  
**IOWA.**—Ottumwa  
Ottumwa Box Car Loader  
Co. (Box Car; Coal) ...B  
**KANS.**—Leavenworth  
Great Western Mfg. Co.  
(Grain Car) .....AA  
**MICH.**—Battle Creek  
Advance Thresher Co. (Also  
Weighers; Baggers; Grain)  
AAA  
Nichols & Shepard Co.  
(Also Weighers; Baggers;  
Grain) .....AAA  
**MICH.**—Fort Huron  
Port Huron Engine &  
Thresher Co. (Also Weigh-  
ers; Baggers; Grain)....  
AAAA

## LOADERS (Con.)

**MICH.**—Saginaw  
Wickes Bros. (Steam Log)  
AAA  
**MINN.**—Minneapolis  
Kilgore Machine Co. (Direct  
Acting Steam Log) ..X  
**MINN.**—Stillwater  
Northwest Thresher Co.  
(also Weighers; Baggers;  
Grain) .....AA  
**MISS.**—Meridan  
Soule Steam Feed Wks.  
(Log) .....C  
**MO.**—St. Louis  
Ellison & Sons Mfg. Co.  
Wm., 1018 N. 6th (Box  
Car) .....B  
Leschen & Sons Rope Co.,  
920 N. 1st (Log) ..AAA  
New York City  
Lidgerwood Mfg. Co., 96  
Liberty (Steam Log) AAA  
**OHIO.**—Cleveland  
Garry Iron & Steel Co. (Log)  
A  
**OHIO.**—Columbus  
Kilbourne & Jacobs Mfg. Co.  
(Horse) .....AA  
**OHIO.**—Dayton  
Ohio Rake Co. (Hay) ..AA  
**OHIO.**—Lancaster  
Hocking Valley Mfg. Co.  
(Hay) .....C  
**OHIO.**—Marion  
Huber Mfg. Co. (also  
Weighers; Baggers Grain)  
AAA  
Marion Mfg. Co. (also  
Weighers; Baggers Grain)  
AA  
**OHIO.**—Mt. Gilead  
Hydraulic Press Mfg. Co.  
(also Weighers; Baggers;  
Grain) .....A  
**OHIO.**—Springfield  
Thomas Mfg. Co. (Hay)AAA  
**WIS.**—Marinette  
Stevens Co., A. W. (also  
Weighers; Baggers, Grain)  
AA  
**WIS.**—Racine  
Case Threshing Machine Co.,  
J. I. (also Weighers; Bag-  
gers, Grain) .....AAAA

## LOBSTER:

## CANNED

See Canned Goods

## LOCKERS

**MASS.**—Worcester  
National Mfg. Co. (Office)  
A  
Wright Wire Co. (Office;  
Shop) .....AA  
**N. Y.**—Jamestown  
Art Metal Const. Co. (Metal  
for Clothing, etc.) ..AAA  
**OHIO.**—Canton  
Berger Mfg. Co. (Metal) AA  
**OHIO.**—Hamilton  
Meyers Mfg. Co., Fred J.  
(Office; Shop) .....B  
**OHIO.**—Salem  
Clark Co., W. J. (Office;  
Shop) .....B  
**PA.**—Ellwood City  
Glen Mfg. Co. (Office;  
Shop) .....D  
**PA.**—Philadelphia  
Darby & Sons, Edward  
(Office; Shop) .....A  
Merritt & Co., 1000 Ridge  
Av. (Metal; Wire) ....B  
**R. I.**—Providence  
Narragansett Machine Co.  
(Office) .....A

## LOCKETS

See also Jewelry

**CONN.**—Mt. Carmel  
Woodruff & Sons, Walter  
W. (Hame) .....A  
**MASS.**—Attleboro  
Fisher & Co., J. M. ....A  
**MASS.**—Chartley  
Freeman, Daughaday & Co.  
C

**LOCKETS (Con.)**

**N. J.—Newark**  
 Durand & Co. (Inc.) ...AA  
 Hedges & Co. A. J. ....A  
**New York City**  
 Ailing & Co. ....AA  
 Myers Co., S. F. ....D  
 Richards & Co., E. Ira AAA  
 Rothschild Bros. ....C  
 Trenkmann, August (Shell) AAA

**PA.—Philadelphia**  
 Bingham, James .....H  
**R. I.—Providence**  
 Albro & Kettlety .....X  
 Cory & Reynolds Co. ....O  
 Devereux & Co., O. C. ....D  
 Foster & Bro. Co., Thos. W. AA

Hamilton & Hamilton, Jr. A  
 Lederer Co., S. & B. ....C  
 Luther & Son, Wm. H. ...B  
 Potter, W. K. (Shell) ....F  
 Snow & Westcott .....A  
 Waite, Mathewson & Co. B

**LOCKS**

See also Hardware; Carriage; Rowlocks.

**CAL.—Stockton**  
 Universal Nut Lock Co. (Nut) .....A

**CONN.—Branford**  
 New York Lock Co. (Ship; Sliding Door) .....B

**CONN.—Bridgeport**  
 Smith & Egge Mfg. Co. (Toe Clips; Casters Padlock; Piano; Organ; Sewing Machine; Bicycle; Pad) ..A

**CONN.—Bristol**  
 Root, C. J. (Sash) .....D

**CONN.—Meriden**  
 Chapman Mfg. Co. (Dog Collar) .....A

**CONN.—Middletown**  
 Chapman Co., W. H. (Padlocks) .....B

Wilcox, Crittenden & Co. (Padlock; Dead) .....A

Wilcox Mfg. Co., Wm. (Pad) .....A

**CONN.—Mt. Carmel**  
 Woodruff & Sons Co., W. W. (Carriage Door; Automobile) .....A

**CONN.—New Britain**  
 Corbin Cabinet Lock Co. (Cabinet) .....AA

Corbin, P. & F. (Amer. Hdw. Corp'n) (Padlock; Sash; Door; Drawer; Mortise; Piano; Organ; Rim; Sliding Door; Trunk; Sash & Lifts Combined) AAAA

Russell & Erwin Mfg. Co. (Amer. Hdw. Corp'n) (Car; Switch; Padlock; Sash; Sliding Door; Basement Door; Cabinet; Door; Knob; Mortise; Store Door) .....AAAA

**CONN.—New Haven**  
 Cowles & Co., (Inc.) C. (Carriage; Lever) .....A

English & Merrick Co. (Carriage) .....O

Fitch Co., W. & E. T. (Sash) .....AA

Ives & Co., Hobert B. (Sash; Burglar Proof Sash) ..C

Mallory, Wheeler & Co. (Padlock; Barn Door; Basement Door; Burglar Proof; Cupboard; Door; Front Door; Knob; Mortise; Rim; Sash; Sliding Door; Spring; Tumbler) AA

Marlin Fire Arms Co. (Pad) A

Reeves Mfg. Co. (Bicycle) O

Sargent & Co. (Car; Switch; Padlock; Sash; Basement Door; Cabinet; Door; Knob; Mortise; Sliding Door; Store Door; Refrigerator; Ship; Elevator Door) .....AAAA

**CONN.—Southington**  
 Peck, Stow & Wilcox Co. (Sash) .....AAAA

**CONN.—Stamford**

**LOCKS (Con.)**

Yale & Towne Mfg. Co. (Keyless Combination; Padlock; Time; Barn & Basement Door; Burglar Proof; Cabinet; Chest; Cupboard; Dead; Desk; Door; Drawer; Front Door; Hasp; Knob; Latch; Lever; Mortise; Post Office; Refrigerator; Rim; Burglar Proof Sash; Spring; Store Door; Tumbler; Jail; Safe; Bank; Bicycle; Pad; Prison; Trunk; Bag) AAAA

**CONN.—Terryville**

Eagle Lock Co. (Padlock; Book; Cabinet; Chest; Cupboard; Desk; Door; Drawer; Hasp; Mortise; Piano; Organ; Post Office; Sewing Machine; Sliding Door; Trunk; Wardrobe; Cigar Box) ....AAA

**CONN.—Torrington**  
 Union Hdw. Co. (Jail) ..A

**CONN.—Waterbury**  
 Amer. Pin Co. (Brass Nut) A

**DEL.—Wilmington**  
 Diamond State Steel Co. (Diamond Spring Nut) AAA

**ILL.—Alton**  
 Illinois Box Co. (Wooden Box) .....O

**ILL.—Chicago**  
 Adams & Westlake Co., Ontario & N. Franklin (Car; Switch) .....AAA

Burton & Son, A. G. (Burglar Proof) .....D

Chicago Hdw. Co., 132 Lake (Sash) .....D

Cutter Mfg. Co., Geo., Union & Fulton (Pole) .....O

Gardner Sash Balance Co., 1st Nat. Bank Bldg. (Steel Sash) .....O

Harley Burglar Proof Ventilating Sash Lock Mfg. Co., 92 La Salle (Ventilating Sash) .....D

Hausmann & Dunn (Bicycle) .....O

Jones Positive Nut Lock Co., 112 Clark (Nut) .....E

Keyless Lock Co. (Door; Keyless) .....D

Payson Mfg. Co., 1319 W. Jackson Boul. (Sash) ...B

Solid Steel Tool Co., 11 S. Jefferson (Nut) .....F

**ILL.—Freeport**  
 Stover Mfg. Co., 165 River (Burglar Proof; Sash) ..A

**ILL.—Kewanee**  
 Western Tube Co. (Steamfitters' Nut) .....AAA

**ILL.—Sterling**  
 Lawrence Bros. (Latches, etc.) .....AA

National Mfg. Co. (Latches, etc.) .....D

**IND.—Elkhart**  
 Buescher Mfg. Co. (Bicycles) .....C

**IND.—Indianapolis**  
 Jordan, Arthur (Keyless) ..AAA

Keyless Lock Co., 1401 Newman (Cabinet, all kinds; Keyless Combination) .....AAA

**IOWA—Cedar Falls**  
 Wagner Mfg. Co. (Latches, etc.) .....D

**IOWA—Clinton**  
 United States Steel Lock Co. (Latches, etc.; Pad) B

**IOWA—Fairfield**  
 Loudon Mchry. Co. (Sliding Door) .....D

**KANS.—Iola**  
 Edgar Car Lock & Seal Co. (Box Car) .....D

**KY.—Louisville**  
 Peerless Mfg. Co., 15th & Ormsby Av. (Nut) .....A

**MD.—Baltimore**  
 Kemp Mfg. Co., C. M.

**LOCKS (Con.)**  
 (Sash) .....C  
**MASS.—Boston**  
 Ham & Co., L. M., 152  
 Portland (Prison Cell  
 Door) .....C  
 Hamlin & Emery, 26 Island  
 (Brass Nut) .....D  
 Harrington, Robinson & Co.  
 (Automatic Nut) .....D  
**MASS.—Chicopee**  
 Ames Sword Co. (Barn  
 Door; Dog Collar; Bicy-  
 cle; Pad) .....B  
**MICH.—Bay City**  
 Garland Co., M. (Log) ...C  
**MICH.—Detroit**  
 Detroit Ship Bldg. Co. (Br.  
 Am. Ship Bldg. Co., Cleve-  
 land, O.) (Car; Switch;  
 Brass Dept.; Padlock)....  
 A A A A  
 Smith & Co., Jos. N., 35 W.  
 Larned (Automobile Door) C  
**MICH.—Grand Rapids**  
 Grand Rapids Brass Co.  
 (Door) .....A  
**MICH.—Ypsilanti**  
 Michigan Mfg. Co. (Sash;  
 Ventilator) .....A A  
**MO.—St. Louis**  
 Climax Nut Lock Mfg. Co.,  
 1132 Collins (Nut) .....D  
 Pauly Jail Building Co.  
 (Prison Cell) .....A  
 U. S. Box Lock Co., 154  
 Blair Av. (Wooden Box) X  
**N. J.—Newark**  
 Ahrend & Son, H. (Trunk;  
 Dress Suit Case, &c.)...B  
 Gould's Son & Co., M.  
 (Trunk) .....A  
 Huebel Mfg. Co. (Dog Col-  
 lar) .....D  
 Jenkinson & Co., R. C.  
 (Trunk; Bag) .....A  
 National Lock Washer Co.,  
 65 Johnson (Nut; Sash).A  
 Positive Lock Washer Co.,  
 291 N. J. R. R. Av.  
 (Nut) .....D  
 Romer & Co. (Car Door;  
 Latch; Pad; Rim; Jail).B  
 Slight Lock & Mfg. Co.,  
 Thomas, 113 N. J. R. R.  
 Av. (Car; Switch) ....E  
**N. Y.—Binghamton**  
 Crandal, Stone & Co. (Nut)  
 A  
**N. Y.—Brooklyn**  
 Bohannon, Wilson, 760 Lex-  
 ington Av. (Padlock; Car  
 Door; Chest; Desk; Door;  
 Drawer; Drawn Combina-  
 tion; Latch; Mortise;  
 Rim; Spring; Store Door;  
 Tumbler; Wardrobe;  
 Switch) .....A  
 Schade & Co., 56 Ainslie  
 (Padlock) .....F  
**N. Y.—Elmira**  
 Cronk & Carrier Mfg. Co.  
 (Sliding Door) .....E  
 Medford Fancy Goods Co.  
 (Dog Collar) .....E  
 New York Guardant Lock  
 Co., 74 Cortlandt (Time) F  
 Russell & Erwin Mfg. Co.  
 (Am. Hdw. Co.) (Pad;  
 Brass Pad) .....A A A A  
 Surpless, Dunn & Co., 55  
 Warren (Pad) .....C  
 Tiebout, W. & J. (Ship;  
 Pad) .....B  
 Tower & Lyon (Pad; Bi-  
 cycle Pad; Brass Pad;  
 Scandinavian Pad) ....B  
 Universal Lock Co. (Door).F  
**New York City**  
 Bickelhout Skylight Wks.,  
 Geo., 243 W. 47th (Sash  
 Ventilating) .....F  
 Creamer & Co., W. G., 96  
 John (Car and Switch;  
 Railway Car Sash).....B  
 Eagle Lock Co. (Pad; Bi-  
 cycle Pad; Brass Pad;  
 Mail Pad; Spring Pad)  
 A A A  
 Edwards & Co., 144th &  
 4th Av. (Electric) .....C

**LOCKS (Con.)**  
 Graham & Co., Jno. H.  
 (Bicycle) .....A A  
 Weber Railway Joint Mfg.  
 Co., 71 B'way (Nut Auto-  
 mobile) .....B  
 Wendell & MacDuffie (Au-  
 tomobile Nut) .....B  
**N. Y.—Poughkeepsie**  
 Lane Bros. Co. (Sliding  
 Door) .....A  
**N. Y.—Rochester**  
 Caldwell Mfg. Co., 8 Jones  
 (Sash) .....E  
 Pullman Mfg. Co. (Sash)...C  
 Rochester Automatic Ele-  
 vator Door Co. (Elevator)  
 E  
 Rochester Sash Lock Co.  
 (Automatic Steel Sash,  
 for railroad coaches) ..D  
 Sargent & Greenleaf Co.  
 (Keyless Combination;  
 Time; Cabinet; Cupboard;  
 Desk; Door; Mortise; Rim;  
 Spring; Trunk; Wardrobe;  
 Safe) .....A A  
**N. Y.—Syracuse**  
 Stearns & Co., E. C. (Barn  
 Door; Door; Sliding Door)  
 A A  
**N. Y.—Warsaw**  
 Warsaw Elevator Co. (Ele-  
 vator Safety) .....B  
**N. Y.—Watervliet**  
 West Side Fdy. Co., Troy  
 P. O. (Br. Troy) (Nut).A  
**OHIO—Canton**  
 Diebold Safe & Lock Co.  
 (Time; Jail; Safe) ..A A A A  
**OHIO—Cincinnati**  
 Consolidated Time Lock Co.,  
 315 W. 4th (Time)....A A  
 Hall's Safe & Lock Works  
 (Safe) .....A  
 Victor Safe & Lock Co.  
 (Jail; Safe) .....A  
**OHIO—Cleveland**  
 Bourne & Knowles Mfg. Co.,  
 68 S. Main (Nut) .....A  
 Chisholm & Moore Mfg. Co.  
 (Elevator Door) .....A A  
 National Safe & Lock Co.  
 (Safe; Combination) ..D  
 Pennington & Son, A. W.,  
 34 S. Water (Ventilating;  
 Burglar Proof Sash)...D  
 Taylor & Boggis Fdy. Co.  
 (Sash) .....A A  
 Universal Fastener Co. (Re-  
 frigerator) .....F  
 Van Dorn Iron Works Co.  
 (Prison Cell) .....A A  
**OHIO—Columbus**  
 Simpson Iron Co., West End  
 Buttles Av. (Sash).....D  
**OHIO—Dayton**  
 Dayton Mfg. Co. (Car;  
 Switch; Padlock; Store  
 Door) .....A  
 Dayton Supply Co. (Sash  
 Ventilating) .....B  
**OHIO—Hamilton**  
 Macneale & Urban Co.  
 (Time; Safe; Combina-  
 tion) .....B  
 Mosler Safe Co. (Time;  
 Safe; Keyless; Combina-  
 tion) .....A A A  
**OHIO—Kenton**  
 Champion Iron Co. (Prison  
 Cell) .....A A  
**PA.—Lancaster**  
 Fraim, E. T. (Pad; Brass  
 Pad; Mail Pad; Spring  
 Pad) .....A A  
 Hubley Mfg. Co. (Door)...A  
 Keystone Lock Works (Pad-  
 locks; Jail) .....A A  
 Slaymaker, S. R. (Padlock;  
 Car; Switch) .....A  
**PA.—Lebanon**  
 American Iron & Steel Mfg.  
 Co. (Nut) .....A A A A  
**PA.—Milton**  
 Milton Mfg. Co. (Nut)...A A  
**PA.—Philadelphia**  
 Brohard Co., 1684 N. 9th  
 (Sash) .....B  
 Mayer & Englund (Automat-  
 ic Nut) .....A  
 Miller Lock Co., 4519 Ta-  
 cony (Car; Switch; Pad-  
 lock; Automatic Ventilat-

**LOCKS (Con.)**

ing Sash; Cabinet; Door;  
Latch; Wardrobe; Sliding  
Door; Drawer; Keyless;  
Combination; Bicycle)...B  
Ruffner & Son (Automatic  
Single & Double Nut)...B  
Wharton & Co., Jr., Wm.  
(Automatic Nut)...AAA

**PA.—Pittsburg**

Barnes Safe & Lock Co.  
(Time; Safe; Combination)  
.....F  
Eureka Nut Lock Co., 32d  
& Smallman (Nut).....C  
Verona Tool Works, Murt-  
land Bldg. (Br. Verona,  
Pa.) (Nut).....A

**PA.—Reading**

Penna. Hdw. Co. (Door)...AA  
Reading Hdw. Co. (Sash;  
Sliding Door; Door; Car  
Window; Elevator Door)  
AAA

**PA.—Wrightsville**

Wrightsville Hdw. Co.  
(Shutter; Bowers).....C

**PA.—York**

York Safe & Lock Co. (Safe)  
B

**R. I.—Pawtucket**

Haskell Mfg. Co., Wm. H.  
(Nut).....A

**R. I.—Providence**

New England Butt Co. (Cab-  
inet, all kinds; Mortise;  
Door; Knob).....A

**VT.—Montpelier**

Lane Mfg. Co. (Log)....A

**WIS.—Milwaukee**

Filer & Stowell Co. (Ltd.)  
(Log).....AAA  
National Elastic Nut Co.  
(Self-Locking Nut)....A  
Stowell Mfg. & Fdy. Co.  
(Elevator Door; Sliding  
Door).....A

**LOCOMOTIVES****ALA.—Anniston**

Kilby Locomotive & Machine  
Works (Logging).....B

**ARK.—Pine Bluff**

Dilley Foundry Co. (Log-  
ging).....A

**CAL.—San Francisco**

Risdon Iron & Locomotive  
Works (Steam).....AAA

**ILL.—Chicago**

Chicago Car & Locomotive  
Works (Industrial; Mine)  
X

Contractors Supply & Equip-  
ment Co., 232 5th Av. (In-  
dustrial; Mine).....C

Goodman Mfg. Co., S. Hal-  
sted & 48 Place (Electric;  
Electric Mining).....A

Hicks Locomotive & Car  
Works, 277 Dearborn  
(Logging).....AA

Link Belt Machinery Co.,  
39th & Stewart Av. (Elec-  
tric Mining).....A

McGuire Mfg. Co., 122 N.  
Sangamon (Electric)....A

Morgan Electric Machine  
Co., Monadnock Block  
(Electric Mining).....X

Shaw, Willis, 171 La Salle  
(New & Second Hand In-  
dustrial & Mine).....D

**IND.—Terre Haute**

Prox & Brinkmann Mfg. Co.  
(Gasoline).....A

**IOWA.—Davenport**

Davenport Machine Works  
(Contractors'; Mine)....A

**KANS.—Abilene**

Parker, C. W. (& Railways;  
Miniature).....X

**MAINE.—Portland**

Portland Co. (Steam; Light  
Steam).....AA

**MD.—Baltimore**

Ryan-McDonald Mfg. Co.,  
44 South (Industrial;  
Mine; Narrow Gauge;  
Steam; Light).....A

**MASS.—Taunton**

Mason Mach. Wks. (Steam)  
AAA

**LOCOMOTIVES (Con.)**

Taunton Locomotive Mfg.  
Co. (Electric).....AA

**MICH.—Lansing**

Prouty Locomotive Co.  
(Gas).....X

**MICH.—Port Huron**

Port Huron Engine &  
Thresher Co. (Traction  
Dirt Road).....AAAA

**N. H.—Manchester**

Manchester Locomot. Wks.  
(Br. Amer. Locom. Co.,  
N. Y. C.) (Steam).AAAA

**N. J.—Paterson**

Cooke Locomotive & Ma-  
chine Co. (Br. Amer. Lo-  
comotive Co., N. Y. C.)  
(Steam).....AAAA

Rogers Locomotive Works  
(Steam).....AAAA

**N. Y.—Buffalo**

Buffalo Pitts Co. (Dirt  
Road).....AAA

**N. Y.—Dunkirk**

Brooks Locomotive Works  
(Br. Amer. Locomotive  
Co., N. Y. C.) (Steam)  
AAAA

**New York City**

American Locomotive Co.,  
25 Broad (Compressed  
Air; Electric; Oil Burn-  
ing; Industrial; Mine;  
Logging).....AAAA

Compressed Air Co., 24  
State (for Street Rail-  
ways).....AA

Davies, Frank, 68 Broad  
(Electric; Electric Min-  
ing; Industrial).....AA

Hunt Co. C. W. 45 B'way  
(Electric for Industrial  
Railway; Mine).....A

Koppel Arthur, 68 Broad  
(Electric; Electric Mining  
& Industrial).....AA

Leavitt & Co., C. W. 15  
Cortlandt (Electric; Elec-  
tric Mining; Industrial).D

N. Y.—Schenectady  
General Electric Co. (Elec-  
tric; Electric Mining)  
AAAA

Schenectady Locomotive  
Works (Br. Amer. Locom.  
Co., N. Y. C.) (Steam)  
AAA

N. Y.—Troy  
Knowlson & Kelly (Light).B

**OHIO—Akron**

Akron Electrical Mfg. Co.  
(Electric; Electric Min-  
ing).....C

Webster Camp & Lane Ma-  
chinery Co. (Electric)....A

OHIO—Cincinnati  
Bullock Electric Mfg. Co.  
(Electric).....AAAA

OHIO—Cleveland  
Atlas Car & Mfg. Co., J. A.  
(Br. Atlas Bolt & Screw)  
(Steam; Electric)....A

OHIO—Columbus  
Jeffrey Mfg. Co. (Electric;  
Narrow Gauge; Electric  
Mining).....AA

OHIO—Lima  
Lima Locomotive & Machine  
Co. (Industrial; Mine;  
Logging; Geared & Direct  
Connected; Steam; Light)  
AA

OHIO—Ravenna  
Byers Machine Co., Jno. F.  
(Industrial; Mine; Con-  
tractors').....B

PA.—Corry  
Climax Mfg. Co. (R. S.  
Battles) (Tramway; In-  
dustrial; Mine; Logging)  
AA

PA.—Erie  
Erie City Iron Works (Elec-  
tric Mining).....AAAA

Heisler Pumping Engine Co.  
(for mountain use).....X

Stearns Mfg. Co. (Indus-  
trial; Mine; weight, 14-60  
tons; Geared).....AA

PA.—Philadelphia  
Baldwin Locomotive Works  
(Burnham, Williams &

**LOCOMOTIVES (Con.)**

Co.), 500 N. Broad (Com-  
pressed Air; Electric;  
Steam; Electric Mining;  
Industrial Oil Burning;  
Light) .....AAAA  
Brill Co., J. G., 62d & Wood-  
land Av. (Electric; Elec-  
tric Industrial; Mine)  
AAA

Conard, Thos. P. (Steam;  
Electric) .....D  
Girard Machine Works, 2616  
Girard Av. (Miniature  
Railways, 15-inch gauge)  
D

Wharton & Co., Jr., Wm.  
(Steam) .....AAA

**PA.—Pittsburg**

Carlin Co., W. J. (Indus-  
trial; Mine) .....A  
Porter Co., H. A., Indus-  
trial, 6th & Wood (Com-  
pressed Air; Electric; In-  
dustrial; Mine; Steam;  
Pneumatic; Logging;  
Light) .....AA

Rees & Sons' Co., James  
(Light) .....AA

Westinghouse Electric &  
Mfg. Co. (Br. N. Y. C.)  
(Electric; Electric Min-  
ing; Industrial) .....AAAA

**PA.—Wilkesbarre**

Vulcan Iron Works (Indus-  
trial; Mine; Steam;  
Light) .....AAAA

**VA.—Norfolk**

Godwin & Co., Thos. W....B

**VA.—Petersburg**

Petersburg Iron Works Co.  
(Industrial; Mine; Log-  
ging) .....D

**W. VA.—Fairmont**

Wagner-Palmros Mfg. Co.  
(Electric; Electric Min-  
ing) .....A

**LOGS****MICH.—Bay City**

Michigan Pipe Co. (Liquor)  
AA

**MICH.—Saginaw**

Wickes Bros. (Marine) .AAA

**New York City**

Bliss & Co., John (Laffrall)  
D

Crane Co., Wm. N. (Gas) .A

**OHIO—Cincinnati**

Eureka Foundry Co. (Gas)  
A

**OHIO—Cleveland**

Nicholson Ship Log Co.  
(Ship) .....AA

**OHIO—Zanesville**

Owens Pottery Co., J. B.  
(Gas) .....A

**PA.—Allegheny**

Superior Mfg. Co. (Gas) ...C

**PA.—New Brighton**

Pittsburg Clay Mfg. Co.  
(Gas) .....AAAA

**PA.—Philadelphia**

Cassell, Jacob C. (Gas) ...D

Riggs & Bro. (Marine) ...B

**WIS.—Racine**

Winship Mfg. Co. (Liquor)  
E

**LOGWOOD****CONN.—Hartford**

Beach & Co. (Cut; Ground)  
AAA

**New York City**

New York & Boston Dye-  
wood Co. (Cut; Ground)  
AAAA

Stamford Mfg. Co., 82 Wall  
(Cut; Ground) .....AAAA

**LOOMS**

See also Machinery

**CONN.—Staffordville**

Amidon, S. B. ....G

**CONN.—Stonington**

Atwood-Morrison Co. (Silk)  
AA

**MD.—Baltimore**

Poole & Son Co., Robert  
(Duck; Cotton Duck) ...A

Pool Engineering & Machine  
Co. (Cotton Duck) ...A

**LOOMS (Con.)****MASS.—Boston**

Leigh, Evan Arthur, 35 &  
36 Mason Bldg. (Carpet;  
Cotton; Woolen; Worsteds)  
X

Stoddard, Haserick, Rich-  
ards & Co., 152 Congress  
(Carpet; Fancy) ....AAA

**MASS.—Fall River**

Fall River Foundry & Ma-  
chine Co. (Cotton) ....F

Kilburn, Lincoln & Co. (Cot-  
ton; Fancy; Silk) .....A

**MASS.—Hopedale**

Draper Co. (Cotton; Ging-  
ham) .....AAAA

**MASS.—Lowell**

Lowell Machine Shop (Cot-  
ton; Cotton Duck) .AAAA

**MASS.—Readville**

American Loom Co. ....X

Stafford Co., Geo. W. (Cot-  
ton; Silk) .....A

**MASS.—Taunton**

Mason Machine Works (Cot-  
ton; Fancy; Silk; Ribbon)  
AAA

**MASS.—Whitinsville**

Whitin Machine Works (Ax-  
minster; Cotton) .AAAA

**MASS.—Worcester**

Crompton & Knowles Loom  
Works (Axminster; Bag;  
Carpet; Cassimere; Cot-  
ton; Dress Goods; Fancy;  
Gingham; Jacquard; Jean;  
Jute Carpet; Plush; Rib-  
bon; Rug; Silk; Suspend-  
er; Upholstery; Velvet;  
Webbing; Woolen; Worsteds;  
Goring; Felting; Curtain;  
Worsted) .....AAAA

Crompton & Thayer Loom  
Co. (Silk) .....AAA

Gilbert Loom Co. (Carpet;  
Cassimere; Cotton; Fancy;  
Jean; Plush; Ribbon;  
Velvet; Woolen; Worsteds;  
Gingham) .....X

Steele & Bro., A. H., 54  
Hermon .....D

**N. J.—Passaic**

Lyall, J. & W. (Carpet) .AA

**N. J.—Paterson**

Atherton Machine Co. (Sus-  
pender Webbing) .....B

Eastwood Co., Benj. (Broad;  
Jacquard; Silk) .....A

Jackson & Son, Jas. (Inc.)  
(Jacquard) .....B

Paterson Machine Works,  
46 Warren (Broad Silk) .F

Royle & Sons, John (Inc.)  
(Jacquard) .....A

Widmer Bros., 108 N. 7th  
(Ribbon; Suspender) ...F

**N. J.—Smithville**

Smith Machine Co., H. B.  
(Carpet; Cotton) .....A

**New York City**

Ehrenberg, Theo. (Fringe;  
Ribbon; Suspender) ...G

Voelmy Bros., 307 W. 30th  
F

**PA.—Bridgeport**

Lees & Sons' Co., James  
(Broad) .....AAAA

**PA.—Philadelphia**

Fairmount Machine Co., 2106  
Wood (Cassimere; Cotton;  
Cotton Duck; Dress Goods;  
Fancy; Gingham; Jac-  
quard; Jean; Woolen;  
Worsted) .....A

Furbush & Son Machine Co.,  
M. A. (Carpet; Cassimere;  
Cotton; Fancy; Jacquard;  
Jean; Rug; Woolen;  
Worsted) .....A

Halton's Sons, Thomas (Jac-  
quard) .....B

Hughes & Russum (All  
Kinds Cotton; Fancy;  
Silk; Woolen; Worsteds)  
E

Jefferson & Bro., Edward,  
127 S. 2d .....D

Klein, Chas. C., 2850 N.  
Marshall .....D

Mutual Machine Works (Cot-  
ton; Woolen; Worsteds)  
E

**LOOMS (Con.)**  
 ton; Broad; Cotton Duck;  
 Jacquard; Plush; Woolen) X  
**Schaum & Uhlinger** (Cot-  
 ton; Ribbon; Suspender  
 Swivel) .....AA  
**Smith Woolen Machinery**  
 Co., Jas., 411 Race (Wool-  
 en) .....AA  
**R. I.—Woonsocket**  
**Woonsocket Machine & Press**  
 Co. (Cassimere; Cotton;  
 Worsted) .....AA

## LOOPERS

**N. Y.—Cohoes**  
**Beattie & Son, Wm.** ....D  
**N. Y.—Lockport**  
**Ward & McLean** .....C  
**PA.—Philadelphia**  
**Hepworth & Co., John W.** B

## LOOPS

See also Trimmings; Up-  
 holstery; etc.  
**CONN.—Bristol**  
**Sessions & Son, J. H.**  
 (Trunk) .....AA  
**CONN.—Danielson**  
**Jacobs Mfg. Co., E. H.**  
 (Picker) .....B  
**CONN.—Meriden**  
**Meride Curta n Fixture Co.**  
 (Shade) .....B  
**CONN.—Mount Carmel**  
**Woodruff & Sons, W. W.**  
 (Breeching) .....A  
**CONN.—New Britain**  
**North & Judd Mfg. Co.**  
 (Halter; Ring; Horse  
 Belt; Horse Blanket;  
 Trace) .....AA  
**CONN.—New Haven**  
**North & Co., O. B.** (Breech-  
 ing; Buckle) .....AA  
**CONN.—Plantsville**  
**Atwater Mfg. Co.** (Car-  
 riage) .....A  
**Blakeslee Forging Co.** (Car-  
 riage) .....B  
**Smith & Co., H. D.** (Car-  
 riage) .....A  
**CONN.—Torrington**  
**Turner & Seymour Mfg. Co.**  
 (Curtain) .....A  
**CONN.—Waterbury**  
**Waterbury Mfg. Co.** (Trace)  
 AAAA  
**CONN.—West Haven**  
**American Buckle Co.** (Sap  
 Pall; Wire; Button) ....D  
**ILL.—Chicago**  
**Boyer, F.** (Shade) .....B  
**Great Western Shade Co.**  
 (Shade) .....F  
**Hutchinson & Son, W. H.**  
 (Inc.) (Wire) .....A  
**Opaque Shade Cloth Co.**  
 (Shade) .....AA  
**Western Shade Cloth Co.**  
 (Shade) .....A  
**IND.—Indianapolis**  
**Automatic Grip Neck Yoke**  
 Co. (Neck Yoke) .....B  
**KY.—Newport**  
**Higgin Mfg. Co.** (Buckle).A  
**MAINE—South Paris**  
**Paris Mfg. Co.** (Shade)...A  
**MASS.—Lowell**  
**Lahne & Co., M. M.** (Picker)  
 E  
**MASS.—Worcester**  
**Spencer Wire Co.** (Bottle).A  
**Wright Wire Co.** (Wire).AA  
**N. J.—Newark**  
**Peters Harness & Saddlery**  
 Co. (Breeching; Buckle;  
 Trace) .....C  
**Sargeant Mfg. Co.** (Trace)  
 A  
**Wiener & Co.** (Trace) ....B  
**N. Y.—Auburn**  
**Clapp Mfg. Co., E. D.** (Car-  
 riage) .....B  
**N. Y.—Binghamton**  
**Crandal, Stone & Co.** (Cur-  
 tain; Buckle) .....A  
**New York City**  
**Columbia Shade Cloth Co.**  
 (Shade) .....B  
**Metal Stamping Co.** (Car-

**LOOPS (Con.)**  
 riage) .....A  
**Union Upholstery Trimming**  
 Co. (Curtain) .....D  
**Wemple Co., J. C.** (Shade)  
 AA  
**OHIO—Canton**  
**Elbel & Co.** (Breeching;  
 Hame) .....A  
**OHIO—Cincinnati**  
**Monarch Carriage Goods Co.**  
 (Buckle) .....B  
**OHIO—Cleveland**  
**Cleveland Hardware Co.**  
 (Carriage) .....AA  
**PA.—Mechanicsburg**  
**Willcox Mfg. Co., D.** (Car-  
 riage) .....A  
**PA.—Philadelphia**  
**Horstmann Co., Wm. H.**  
 (Curtain) .....AAAA  
**Schrack & Sherwood** (Cur-  
 tain) .....A  
**R. I.—Providence**  
**American Supply Co.** (Pick-  
 er) .....AA  
**Burgess & Son, A.** (Picker)  
 X  
**VT.—Burlington**  
**Vermont Shade Roller Co.**  
 (Shade) .....A  
**WIS.—Racine**  
**Racine General Mfg. Co.**  
 (Trace) .....E

## LORNETTES

**MASS.—Attleboro**  
**Briggs Co., D. F.** .....AA  
**MASS.—North Attleboro**  
**Barrows & Co., H. F.** ....A  
**Blackinton & Co., B.** .....A  
**N. J.—Newark**  
**Bippart, Griscom & Osborn**  
 A  
**Krementsz & Co.** .....AAA  
**Stevens & Leithoff** .....F  
**New York City**  
**Briggs Co., D. F., 180**  
**B'way** .....AA  
**Carter, Howe & Co., 9**  
**Malden Lane** .....A  
**Spencer Optical Co.** ....C  
**R. I.—Providence**  
**Kirby, Hy. A.** .....AAA  
**Lederer Co., S. & B.** ....C  
**Walte, Thresher Co.** .....A

## LOTIONS

**IOWA—Des Moines**  
**Dawn Mfg. Co.** .....H  
**Humane Remedy Co.** ....F  
**MASS.—Boston**  
**Brown & Sons, Jno. I.**  
 (Skin) .....AA  
**Kutcko Co., 373 Washington**  
 (Skin) .....X  
**OHIO—Cincinnati**  
**Remmers Soap Co.** .....D  
**OHIO—Toledo**  
**Ohio Toilet Mfg. Co.** .....X  
**TEXAS—Waco**  
**Artesia Cream Company**  
 (Wrinkle) .....F

## LOUNGES

See Furniture

## LOZENGES

**MASS.—Boston**  
**New England Confectionery**  
 Co. ....AAA  
**MICH.—Detroit**  
**Parke, Davis & Co.** (Medi-  
 cated) .....AAAA  
**N. Y.—Newburgh**  
**Cough Checker Mfg. Co.**  
 (Cough) .....G  
**OHIO—Cincinnati**  
**Merrell Chemical Co., Wm.**  
 S. (Medicated) .....AAA  
**PA.—Philadelphia**  
**Mason Chemical Co., 515**  
**Arch** .....B

## LUBRICANTS

See also Grease; Oils.



**LUBRICANTS (Con.)**

**ILL.—Chicago**  
 Arnstein, Eugene, 35th & Shields Av. (Bicycle Chain) .....A  
 Excelsior Supply Co., Wabash Av. (Bicycle Chain) .....A  
**IOWA—Council Bluffs**  
 Monarch Mfg. Co. (Graphite Oil) .....B  
**MASS.—New Bedford**  
 Nye, Wm. F. (Bicycle Chain) .....A  
**MICH.—Detroit**  
 Detroit Graphite Mfg. Co., 540 River (Graphite) ..A  
**MICH.—Saginaw**  
 U. S. Graphite Co. (Graphite) .....A  
**MO.—St. Louis**  
 Leschen & Sons' Rope Co., A. (Rope; Wire Rope) .....AAA  
**N. J.—Jersey City**  
 Dixon Crucible Co., Joseph (Graphite; Wire Rope; Bicycle Chain) .....AAA  
**N. J.—Lincoln**  
 Atlas Mineral Machine Co. (Soapstone) .....D  
**New York City**  
 Cole & Co., G. W., 141 B'way (Bicycle Chain).D  
 Robins Conveying Belt Co. A  
 Standard Graphite Co., 11 B'way (Graphite) .....B  
**OHIO—Columbus**  
 Ironsides Co. (Wire Rope; Gear) .....C  
**PA.—Allegheny**  
 Wisconsin Graphite Co. (Graphite; Graphite Wire Rope) .....X  
**PA.—Philadelphia**  
 McIlvaine Bros., 1500 Hamilton (Soapstone) .....B  
**PA.—Pittsburg**  
 American Supply Co., 960 2d Av. (Wire Rope)....X  
 Atlas Paint Co. (Ltd.), 2638 Liberty Av. (Wire Rope) X  
**WIS.—Milwaukee**  
 Force Feed Lubricating Co. (Graphite) .....F

**LUBRICATORS**

See also Cups; Oil.

**CONN.—Bridgeport**  
 Belknap Mfg. Co. ....C  
**ILL.—Chicago**  
 Besly & Co., Chas. H....AA  
 Chicago Engineer Supply Co., 114 Lake .....B  
 Crane Co. (Sight Feed) .....AAA  
 Hills-McCanna Co., 50 N. Wells (Pump) .....X  
 Illinois Malleable Iron Co., 30 W. Monroe .....AAA  
 Lang & Co., J., 44 Michigan F  
 McCanna Co., Jno. F., 244 Wells .....D  
 Norris & Co., T. A., 43 S. Jefferson (Candle. for Shafting & Loose Pullers) X  
 Phenix Metallic Packing Co., 7 S. Jefferson (Automatic Pump) .....H  
 Scott Valve Co., 32 W. Randolph .....D  
**ILL.—Waukegan**  
 Thomas Brass & Iron Co. (Sight Feed) .....A  
**MASS.—Boston**  
 Crosby Steam Gauge & Valve Co., 95 Oliver (Locomotive; Sight Feed; Cylinder) .....AA  
 Selbert Cylinder Oil Cap Co., 53 Oliver (Pump; Sight Feed) .....E  
 Walworth Mfg. Co., 132 Federal (Sight Feed; Cylinder) .....AAA  
**MICH.—Detroit**  
 American Injector Co.....D

**LUBRICATORS (Con.)**

Detroit Lubricator Co., Hodges Bldg. (Candle, for Shafting & Loose Pullers; Locomotive; Pump; also Hand Feed; Sight Feed; Dynamo; Cylinder)....AA  
 Detroit Shipbuilding Co. (Br. Amer. Shipbuilding Co., Cleveland, O.) (Brass Dept. - Air Compressor; Pump) .....AAAA  
 Essex Brass Co., G. B. (Pump) .....C  
 McRae & Roberts Co. (Sight Feed) .....A  
 Michigan Lubricator Co. (Locomotive; Sight Feed) B  
 Penberthy Injector Co., 346 Holden Av. ....A  
**MICH.—South Park**  
 Lee Injector Mfg. Co.....D  
**MO.—St. Louis**  
 Hanlan-Buck Mfg. Co., 212 N. 3d (Sight Feed)....AA  
 Siegrist Lubricator Co., 200 N. 2d .....C  
**N. Y.—Albany**  
 Stephenson Mfg. Co. (Auto. Forced Feed Cylinder)..D  
**N. Y.—Buffalo**  
 Manzel Bros., 46 B'way (Gas Engine; Locomotive; Sight Feed Automatic Pump) .....F  
 Sherwood Mfg. Co., 34 Washington (Hand, Cylinder & Automatic Sight Feed Pump; Dynamo) ..B  
**N. Y.—Elmira**  
 Swift Lubricator Co. (Sight Feed) .....D  
**N. Y.—Jamestown**  
 Engineering & Power Co...A  
 New York City  
 Eaton, Cole & Burnham Co., 253 B'way. ....AAAA  
 Fairbanks Co., 186 Elm .....AAAA  
 Greene, Tweedy & Co., 17 Murray (Pump) .....B  
 McNab & Harlin Mfg. Co., 56 John .....AA  
 Nathan Mfg. Co., 92 Liberty (Locomotive; Sight Feed) A  
 Worthington Pumping Engine Co. (Cylinder) AAAA  
**N. Y.—Rochester**  
 Sterling Lubricator Co., Powers Blk. (Automatic Force Feed; Force Feed Locomotive; Force Feed Pump; Sight Feed) ....B  
**N. Y.—Troy**  
 Hammett, H. C., 476 8th D  
**OHIO—Cincinnati**  
 Lunkenheimer Co., Beekman & Waverly (Air Compressor; Candle, for Shafting & Loose Pullers; Gas Engine; Sight Feed; Locomotive; Pump; Cylinder) .....AAA  
 Powell Co., Wm., 2529 Spg. Grove Av. (Air Compressor; Gas Engine; Locomotive; Pump; Dynamo; Sight Feed) .....AA  
 Queen City Brass Works (R. Hesterburg) .....C  
**OHIO—Cleveland**  
 Crescent Mfg. Co., 24 Centre X  
 Farnan Brass Works, 25 Centre (Pump) .....A  
 Talmage Mfg. Co., 270 St. Clair .....B  
**OHIO—Dayton**  
 Buckeye Iron & Brass Wks. A  
**OHIO—Mansfield**  
 Ohio Brass Co. (Sight Feed) B  
**OHIO—Salem**  
 Deming Co. (Oil Pump) ..A  
**OHIO—Springfield**  
 Nolte Brass Co. ....D  
 Springfield Brass Co. ....D  
**OHIO—Toledo**  
 Harrison-Williams Co. (Car

**LUBRICATORS (Con.)**  
 Journal) .....D  
**PA.—Connellsville**  
 Lackawanna Lubricator &  
 Mfg. Co. (Locomotive;  
 Sight Feed, for Station-  
 ary, Locomotive & Marine  
 Engines) .....X  
**PA.—Erie**  
 Jarecki Mfg. Co. (Pump;  
 Sight Feed) .....AAAA  
**PA.—Philadelphia**  
 Belfield & Co., H., 435 N.  
 Broad .....AA  
 Eynon-Evans Mfg. Co., 1519  
 Clearfield (Pump) .....B  
 Loneragan & Co., J. E., 214  
 Race (Steam Engine;  
 Sight Feed; Cylinder)...A  
**PA.—Pittsburg**  
 Bonar & Co., James, Car-  
 negie Bldg. (Pump) .....B  
 Carron & Co., A. M., 108  
 Market (Pneumatic Tool)  
 D  
 Gem Mfg. Co., Spruce, nr.  
 23d (Loose Pulley) ....D  
 Kelly & Jones Co., 135  
 Water (Plain) .....AA  
 Mansfield Mfg. Co., 57 1st  
 Av. (Sight Feed) .....B  
 Pittsburg Brass Mfg. Co.,  
 107 Wood (Sight Feed).D  
**WIS.—Madison**  
 Mason & Kipp Mfg. Co.  
 (Force Feed) .....C  
**WIS.—Milwaukee**  
 Force Feed Lubricating Co.  
 (Force Feed) .....F  
 Sight Feed Oil Pump Co.  
 (Cylinder Oil Pump)....E

## LUGS

**CAL.—San Francisco**  
 Pacific Tank Co. (Tank)...A  
**ILL.—Chicago**  
 Fairbanks, Morse & Co.  
 (Rivetless; Eclipse Steel  
 Tank) .....AAAA  
**PA.—Coatesville**  
 Lukens Iron & Steel Co.  
 (Boiler) .....AAAA  
 Worth Bros. Co. (Boiler).AA  
**PA.—Pittsburg**  
 Lanz & Sons, M. (Tank).AA  
**PA.—Pottstown**  
 Glasgow Iron Co. (Boiler)  
 AAA  
**WIS.—Racine**  
 Racine Tank Lug Co.  
 (Tank) .....F  
 Tecktonius, E. C. (Tank).E

## LUMBER

**ALA.—Atmore**  
 Carney & Co., A. M. (Long  
 Leaf Yellow Pine) ....A  
**ALA.—Birmingham**  
 Kaul Lumber Co. ....A  
**ALA.—Brewton**  
 Cedar Creek Mill Co. (Yel-  
 low Pine) .....A  
**ALA.—Chapman**  
 Smith Lumber Co., W. T.  
 (Yellow Pine) .....A  
**ALA.—Marbury**  
 Marbury Lumber Co. ....A  
**ALA.—Mobile**  
 Beird Lumber Co. (Yellow  
 Pine) .....A  
 Blackshar Co. (Yellow Pine)  
 A  
 Hubbard Bros. (Pitch Pine  
 Exporters) .....A  
 Sullivan Timber Co. (Yel-  
 low Pine) .....AA  
**ALA.—Oak Grove**  
 Davis, M. L. (Yellow Pine)  
 A  
**ALA.—Riverside**  
 Lathron-Hatton Lumber Co.  
 (Yellow Pine) .....A  
**ALA.—Daleville**  
 Arkadelphia Lumber Co.  
 (Yellow Pine) .....AAA  
**ARIZ.—Flagstaff**  
 Arizona Lumber & Timber  
 Co. ....X  
**ARK.—Eagle Mills**  
 Eagle Lumber Co. (Yellow  
 Pine) .....A

**LUMBER (Con.)**  
**ARK.—Frostville**  
 Red River Lumber Co. (Yel-  
 low Pine) .....A  
**ARK.—Greenfield**  
 Greenfield Lumber Co. (Cy-  
 press; Hardwood; Oak;  
 Ash, &c.) .....A  
**ARK.—Gurdon**  
 Gurdon Lumber Co. (Yellow  
 Pine) .....AAA  
**ARK.—Kearney**  
 Kearney Lumber Co. ...AA  
**ARK.—Lester**  
 Lester Mills Co. (Yellow  
 Pine Finish, Moulded Cas-  
 ings; Bass) .....A  
**ARK.—Onalaska**  
 Carlisle & Co., Wm. (Yel-  
 low Pine) .....AAAA  
**ARK.—Pine Bluff**  
 Bluff City Lumber Co. (Yel-  
 low Pine; Cypress)....AA  
 Sawyer & Austin Lumber  
 Co. ....AAA  
**ARK.—Sayre**  
 Sayre Lumber Co. (Yellow  
 Pine) .....AA  
**ARK.—Stamps**  
 Bodcaw Lumber Co. (Yel-  
 low Pine) .....AAA  
**ARK.—Texarkana**  
 Southern Pine Lumber Co.  
 (Yellow Pine) .....A  
**ARK.—Wilmar**  
 Gates Lumber Co. (Yellow  
 Pine; Cypress Shingles)  
 A  
**CAL.—Albion**  
 Albion Lumber Co. (Red-  
 wood Shingles; Ties)...A  
**CAL.—Bella Vista**  
 Terry Lumber Co. ....AAA  
**CAL.—Eureka**  
 McKay & Co. ....AA  
 Vance Redwood Lumber Co.  
 (Pine; Redwood; Shin-  
 gles) .....AAA  
**CAL.—Fort Bragg**  
 Union Lumber Co. (Redwood  
 Shingles; Ties) .....AA  
**CAL.—Fresno**  
 Fresno & Pine Ridge Flume  
 & Irrigation Co. ....AA  
**CAL.—Gualala**  
 Gualala Lumber & Mill Co.  
 AAA  
**CAL.—Kernville**  
 Brown, A. ....A  
**CAL.—Korbel**  
 Humboldt Mill Co. ....A  
**CAL.—Occidental**  
 Meeker M. Co. ....AAA  
**CAL.—Pescadero**  
 Levy Bros. ....A  
**CAL.—San Francisco**  
 Bellingham Bay Improve-  
 ment Co. ....AA  
 Casper Lumber Co. (Red-  
 wood Ties; Shingles, &c.)  
 A  
 Dolber & Carson (Redwood;  
 Shingles) .....AAAA  
 Duncan Mills Land & Lum-  
 ber Co. ....A  
 Gardiner Mill Co. ....A  
 Gray's Harbor Commercial  
 Co. (Fir; Spruce; Red Cedar;  
 Shingles) .....AAA  
 Gualala Mill Co. ....AAA  
 Hooper, J. A. & F. P. ....AAA  
 Humboldt Lumber Mill Co.  
 A  
 Loma Prieta Lumber Co. ...A  
 Mendocino Lumber Co. ...A  
 Pacific Lumber Co. (Red-  
 wood; Pine; Shingles)  
 AAAA  
 Pacific Pine Co. (Rough  
 Douglas; Fir Railroad  
 Ties; Rustic Siding;  
 Bridge; Timber; Carstills,  
 &c.) .....A  
 Puget Sound Lumber Co. ...A  
 Renton, Holmes & Co. ....A  
 San Diego Lumber Co. ....A  
 Santa Clara Valley Mill &  
 Lumber Co. ....A  
 Scott & Van Arsdale Lumber  
 Co. (Pine; Redwood;  
 White Cedar) .....AAAA  
 Sierra Lumber Co. (Pine;

**LUMBER (Con.)**

Spruce; Fir) .....AAAA  
 Sonoma Lumber Co. ....A  
 Stimson Mill Co. ....A  
 Tacoma Mill Co. ....AA  
 Vance Redwood Lumber Co. ....AAA  
 Washington Mills Co. ....AA  
 White Bros., Spear & Howard (Maple) .....A  
**CAL.—Sanger**  
 Sanger Lumber Co. (Redwood of finest finish work; also Sugar Pine & Cal. White for pattern lumber; Posts; Shingles; Mouldings; Boxes; Trays; General Mill Work)....A  
**CAL.—Santa Clara**  
 Pacific Mfg. Co. ....AAA  
**CAL.—Santa Cruz**  
 Hihn Co., F. A. ....AAA  
**CAL.—Towle**  
 Towle Bros. Co. ....AA  
**COLO.—Durango**  
 Stubbs & Jakway .....A  
**CAL.—Victor**  
 Cunningham, J. B. ....A  
**FLA.—Escambia**  
 Skinner Mfg. Co. (Yellow Pine) .....AA  
**FLA.—Jacksonville**  
 Cummers Lumber Co. (L. L. Yellow Pine) .....AA  
 Dexter, Hunter (Yellow Pine) .....A  
**FLA.—Milton**  
 Chaffin & Co., James A. (Inc.) .....A  
**FLA.—Montbrook**  
 Wade & Arthur Lumber Co. ....A  
**FLA.—Muscogee**  
 Southern States Lumber Co. (Yellow Pine) .....AAA  
**FLA.—Palatka**  
 Selden Cypress Door Co....A  
 Wilson Cypress Co. (Cypress Lumber; Siding Shingles) .....A  
**FLA.—Pensacola**  
 Keyser & Co., Wm. S. (Export) .....A  
 Pensacola Lumber Co. (Export Pitch Pine) .....B  
 Southern States Lumber Co. ....B  
**GA.—Ashburn**  
 Betts & Co., J. S. (Yellow Pine; Lath; Shingles)...B  
**GA.—Atlanta**  
 Enterprise Lumber Co. ...A  
**GA.—Augusta**  
 Perkins Mfg. Co. (Yellow Pine) .....A  
**GA.—Dalton**  
 Cherokee Mfg. Co. ....C  
 Farrar Lumber Co. (Yellow Pine Brackets; Blocks; Mill Finish) .....C  
**GA.—Dawson**  
 Variety Works Co. (Sash; Door; Blind) .....D  
**GA.—Macon**  
 Masse & Felton Lumber Co. ....A  
 Red Cypress Lumber Co. (Lumber; Shingles) ....A  
**GA.—Savannah**  
 Georgia Lumber Co. (Yellow Pine) .....C  
 Southern Pine Co. (Yellow Pine; Rough & Dressed Shingles; Lath; Mouldings; Newell Posts; Baluster; Flooring; Heavy Timber) .....AAAA  
**IDAHO—Boise**  
 Ridenbaugh, W. & H. ....B  
**ILL.—Cairo**  
 Carey, Holliday Lumber Co. (Hardwood) .....B  
 Creelman Lumber Co., F. E. (Hardwood) .....B  
 Himmelberger & Friant Co. (Hardwood) .....AA  
 Three States Lumber Co. (Hardwood) .....B  
**ILL.—Chicago**  
 Baker Lumber Co. ....B  
 Bay De Noquet Co. ....AA  
 Bigelow Bros. & Walker Co.

**LUMBER (Con.)**

(Yellow Pine; Cypress; Hardwood) .....AAA  
 Detour Lumber & Cedar Co. ....B  
 Dodge & Co., P. G. (Hardwood) .....B  
 Dunfee & Co., 106 Franklin (Hardwood) .....B  
 Heath, Witbeck & Co. (Maple; Cypress; Basswood) .....A  
 Holt Lumber Co. ....A  
 Houston & Co., Geo. T. (Yellow Pine; Hardwood; Cypress) .....AAA  
 Marsh & Bingham Co. (L. L. Yellow Pine; Fir; Oak; Hemlock) .....A  
 Martin Lumber Co., S. K. ....A  
 Mississippi Lumber Co. (L. L. Yellow Pine) .....AA  
 Paepcke-Leicht Lumber Co. (Box Shooks; Nail Work) .....AAA  
 Rittenhouse & Embree Co., 3500 S. Central Av. (Maple) .....AA  
 Ross Lumber Co. ....A  
 Schultz Bros. (Pine Flooring; Cedar Poles; Maple) .....B  
 South Side Lumber Co. (Maple; Oak Flooring)....AAA  
 Upham Lumber Co., Fred W. (Basswood) .....B  
 Ward Lumber Co. (Hardwood) .....A  
 White Lake Lumber Co. ....B  
 Wiloe Co., T. (Maple; Hardwood Flooring) ....AAA  
 Wood Lumber Co., Geo. E. (White Pine) .....AA  
**ILL.—East St. Louis**  
 Goedde & Co., B. ....B  
**ILL.—Pekin**  
 Smith & Co., T. H. ....A  
**ILL.—Rockford**  
 Woodruff & McGuire (White; Norway Pine).B  
**ILL.—Rock Island**  
 Rock Island Lumber & Mfg. Co. (Lumber; Lath; Shingles) .....A  
 Weyerhaeuser & Denkmann (White Pine) .....AAAA  
**IND.—Anderson**  
 Wilke Mfg. Co. (Hardwood Flooring) .....B  
**IND.—Brazil**  
 Excelsior Clay Works (Maple) .....D  
**IND.—Clay City**  
 Guir, W. H. (Hardwood).B  
**IND.—Edinburg**  
 Maley, Hy. (Hardwood)...A  
**IND.—Evansville**  
 Helfrich Lumber & Mfg. Co. ....A  
 Maley Lumber Co., Hy. (Indiana Hardwoods) ....A  
 Maley & Wertz (Hardwoods; Quartered Oak, &c.)....A  
 Max, Thompson & Thayer (Hardwoods) .....A  
**IND.—Fort Wayne**  
 Ferguson, Jno. (Hardwood) .....B  
 Gilmartin, Edw. (Hardwood) .....B  
**IND.—Goshen**  
 Sanders & Egbert Co. (Hardwood) .....B  
**IND.—Indianapolis**  
 Rachman Co., F. M. ....B  
 Christian, Jno. E. (Hardwood) .....B  
 Coburn Lumber Co., Hy....A  
**IOWA—Bellevue**  
 Dorchester & Hughey (White Pine) .....A  
**IOWA—Burlington**  
 Burlington Lumber Co. (White Pine) .....A  
 Nairne, Giles & Co. ....B  
**IOWA—Cedar Falls**  
 Harris & Cole Bros. (Popular; Oak Lumber Wagon Box Material; Turned Work; House Trimmings) .....A

**LUMBER (Con.)**

**IOWA—Clinton**  
Curtis Bros. & Co. (Mill Work) .....AA  
Lamb & Sons, C. (Lumber; Lath; Shingles; Pickets; Flooring; Siding; Cellings) .....A  
**IOWA—Davenport**  
Lindsay & Phelps Co. ....B  
McClelland Co., T. W. ....B  
Mueller & Sons, Chris. (White Pine) .....A  
Roberts Co., N. N. ....A  
**IOWA—Des Moines**  
Getchel & Martin Lumber & Mfg. Co. ....A  
Gllchrest Co., J. K. & W. H. ....A  
Green Bay Lumber Co. ....AAA  
**IOWA—Dubuque**  
Carr, Ryder & Adams Co. ....A  
Farley & Loetscher Mfg. Co. ....A  
Rumpf-Frudden Lumber Co. ....A  
Standard Lumber Co. ....AA  
**IOWA—Ft. Madison**  
Atlee, S. & J. C. (White Pine) .....AAA  
**IOWA—Guttenberg**  
Zimmerman, J. & Ives ....A  
**IOWA—Keokuk**  
Taber Lumber Co. ....A  
**IOWA—Marshalltown**  
Moore, A. A. ....A  
**IOWA—Muscatine**  
Hershey Lumber Co. ....A  
Musser Lumber Co. (White Pine) .....A  
South Muscatine Lumber Co. (Box Shooks) .....A  
**IOWA—Sioux City**  
Edwards & Bradford Lumber Co. ....AAA  
**IOWA—Waterloo**  
Ricker & Bratnaber Lumber Co. ....A  
**KY.—Ashland**  
Ashland Lumber Co. ....A  
Van Sant-Kitchen Co. (Yellow Poplar) .....A  
**KY.—Burnside**  
Kentucky Lumber Co. ....AA  
**KY.—Ford**  
Burt & Brabb Lumber Co. (Hardwood) .....A  
**KY.—Louisville**  
Hughes Co., E. L. (Sash; Doors, &c.) .....B  
Hughes & Sons' Co., W. J. ....B  
Koehler & Co., Hy. (Hardwood; Yellow Pine) ....B  
Mengel & Bro. Co., Jr., C. C. (Hardwood; Box Shooks) .....AAAA  
Louisville Veneer Mills (Thin) .....A  
**KY.—Paducah**  
Ferguson & Palmer Co. ....B  
Longstaff-Orm Mfg. Co. ....A  
**KY.—Pineville**  
Acher, A. J. ....A  
**KY.—Warsaw**  
McDaniel's Sons, J. H. (Poplar; Oak; Interior Finish) .....B  
**LA.—Antrim**  
Antrim Lumber Co. (Yellow Pine) .....A  
**LA.—Bolinger**  
Arkansas Central Lumber Co. ....A  
**LA.—Bonami**  
King-Ryder Lumber Co. ....A  
**LA.—Bowie**  
Bowie Lumber Co. (Lumber; Shingles) .....B  
**LA.—Bunkie**  
Haas & Co., W. D. ....AAA  
**LA.—Donaldsonville**  
Wilber & Sons Lumber & Shingle Co., A. ....A  
**LA.—Dubach**  
Dubach Lumber Co., Fred. B. ....A  
**LA.—Fisher**  
Louisiana Long Leaf Lumber Co. (Yellow Pine) ....AAA

**LUMBER (Con.)**

**LA.—Franklin**  
Hanson Lumber Co., Alb. (Cypress) .....A  
**LA.—Harvey**  
Louisiana Cypress Lumber Co. (Red Cypress Lumber; Shingles) .....A  
**LA.—Jacoby**  
Dodge & Sundberry (Cypress; Yellow Pine; Hardwood) .....B  
**LA.—Jonesboro**  
Hulr-Hodge Lumber Co. ....AA  
**LA.—Kentwood**  
Kent Brick & Lumber Co., Amos (Yellow Pine) ....AA  
**LA.—Lake Charles**  
Bradley - Ramsey Lumber Co. (L. L. Yellow; Pitch Pine) .....AAAA  
Hodge Fence & Lumber Co. ....B  
Powell, J. G. ....B  
**LA.—Monroe**  
Monroe Lumber Co. ....A  
Southern Lumber Co. ....AAA  
**LA.—Morgan City**  
Brownell & Son Lumber Co. (Lumber; Shingles) ....B  
**LA.—Montrose**  
Montrose Lumber Co. (Yellow Pine) .....A  
**LA.—Myrtistown**  
Black Bayou Lumber Co. (Yellow Pine) .....B  
**LA.—Natalbany**  
Natalbany Lumber Co. (Yellow Pine) .....AAA  
**LA.—New Orleans**  
Carre, W. W. (Export Yellow Pine) .....A  
Fischer Lumber & Mfg. Co. (Cypress) .....A  
Lambon & Noel Lumber & Mfg. Co. ....B  
New Orleans Cypress Co. (Red Cypress) .....B  
Otis Mfg. Co. ....A  
Ruddock Cypress Co. ....A  
Salman Brick & Lumber Co. (Yellow Pine; Cypress) .A  
**LA.—Patterson**  
Cypress, Tank & Mfg. Co. (R. R. Lumber; Piling) .B  
Trellue Cypress Lumber Co. (Cypress Shingles; R. R. Lumber) .....A  
Williams, F. B. (Cypress) .....AAAA  
**LA.—Plaquemine**  
Wilbert Sons Lumber & Shingle Co., A. (Red Cypress Lumber; Shingles) .A  
**LA.—Ramos**  
Ramos Lumber & Mfg. Co. (Red Cypress Lumber; Lath; Shingles) ....AAA  
**LA.—Ruddock**  
Ruddock Cypress Co. (Cypress) .....AA  
**LA.—St. Martinsville**  
Rurdin & Bro., J. J. ....B  
**LA.—Shreveport**  
Allen & Curry Mfg. Co. (Yellow; Pine; Lumber; Cypress Pickets; Mouldings) .....B  
Henderson Lumber Co., W. K. ....B  
**LA.—Tremont**  
Tremont Lumber Co. (Yellow Pine) .....AA  
**LA.—Victoria**  
Louisiana Long Leaf Lumber Co. (Yellow Pine) .B  
**LA.—West Lake**  
Perkins & Miller Lumber Co. (Yellow Pine) ....AA  
**LA.—Yellow Pine**  
Globe Lumber Co. (Yellow Pine) .....AA  
**LA.—Zimmerman**  
Bentley Lumber Co., J. A. (Yellow Pine) .....AA  
**MAINE—Augusta**  
Augusta Lumber Co. (Pine; Spruce Laths; Shingles) .A  
**MAINE—Bangor**  
Bangor Lumber Co. ....B

**LUMBER (Con.)**

Ayer & Co., F. W. ....A  
 Cassidy & Son, John. ....AA  
 Engel, Wm. ....AA  
 Lowell & Engel ....AA  
 Morse & Co. ....AA  
 Rice & Co., James. ....B  
**MAINE—Calais**  
 Murchie & Sons, Jas. ....AA  
**MAINE—Ellsworth Falls**  
 Whitcomb, Haynes & Co.  
 (Spruce; Hemlock; Lath;  
 Shingles) .....A  
**MAINE—Gardiner**  
 Gray & Sons, Joshua (Lath;  
 Shingles) .....A  
**MAINE—Guilford**  
 Hussey, Goldwaite & Hud-  
 son .....B  
**MAINE—New Gloucester**  
 Chandler Bros. ....A  
**MAINE—Portland**  
 Berlin Mills Co., 404 Com-  
 mercial (Spruce; Clap-  
 boards; Shingles; Lath;  
 Pickets; Dimension  
 Boards, & c.) .....AAAA  
**MAINE—Shawmut**  
 Lawrence, Newhall & Co. ....A  
**MAINE—South Beaver**  
 Sargent Lumber Co. ....B  
**MD.—Baltimore**  
 James & Co., N. W. ....AAAA  
 Shryock & Co., Thos. J.  
 (Pine; Hardwood, &c.)  
 AA  
 Sloan & Bro., Geo. F. (N.  
 C. Pine; Flooring; Mould-  
 ings, &c.) .....A  
 Surry Lumber Co. ....AAAA  
 Womble, Jr., Pembroke M.  
 B  
 Jackson Bros. Co. ....AA  
 Miller & Co., W. B. ....A  
**MASS.—Boston**  
 Atlantic Lumber Co. (Hard-  
 wood) .....B  
 Bartlett Lumber Co. (Cal.  
 Redwood; Shingles, &c.)  
 A  
 Conn. Valley Lumber Co.  
 AAA  
 Cypress Lumber Co., 153  
 Milk (Cypress; Shingles;  
 Doors; Sashes; Blinds).AA  
 Palmer, Parker & Co. (Ma-  
 hogany; Hardwood; Ve-  
 neers) .....A  
 Stearns Lumber Co., A. T.  
 (Cypress; Yellow; Pine;  
 Ash, &c.; Doors; Blinds;  
 Trim.; Cabinet Work;  
 Flooring; Shingles; Tanks,  
 &c.) .....AA  
**MASS.—Chelsea**  
 Emery, Geo. D. (Imported &  
 Domestic Cabinet Wood &  
 Veneers; Spanish Cedar)  
 AA  
**MASS.—Lowell**  
 Allen & Son, Otis (Kyan-  
 ized) .....B  
 Pratt & Co., Amasa (Ve-  
 neered Doors, &c.) .....A  
**MASS.—Worcester**  
 Baker Lumber Co. (Kiln  
 Dried) .....C  
**MICH.—Alpena**  
 Comstock Bros. ....AAAA  
 Gilchrist, F. W. (Maple)  
 AAAA  
**MICH.—Ausable**  
 Londs Co., H. M. (Pine;  
 Cedar Poles) .....A  
**MICH.—Bay City**  
 Chesborough Bros. ....A  
 Foss & Co., E. B. (White  
 Pine Lath; Shingles) ...A  
 Michigan Pipe Co. (Creo-  
 soted) .....AA  
 Spanish River Lumber Co.  
 A  
**MICH.—Bay Mills**  
 Hall & Monson Co. (Mould-  
 ing; Box Shooks) .....A  
**MICH.—Boyne City**  
 White & Co., W. H. (Hem-  
 lock; Maple; Soft & Rock  
 Elm; Basswood; Beech;  
 Cedar; Tan Bark, &c.) ...A  
**MICH.—Cadillac**  
 Cobb & Mitchell (Maple

**LUMBER (Con.)**

Flooring, &c.) .....A  
 Mitchell Bros. (Maple Floor-  
 ing, &c.) .....AAA  
**MICH.—Cheboygan**  
 McArthur Co., W. & A. ....A  
 Nelson & Clark .....A  
 Pelton & Reid .....A  
**MICH.—Detroit**  
 Alger, Smith & Co. (Long  
 Pine Timber) .....AAAA  
 Brownlee & Co. (Telegraph  
 Poles) .....A  
 Detroit Lumber Co. ....A  
 Dwight Lumber Co. (Maple;  
 Oak Flooring; Cigar Box)  
 A  
 Hunton, A. K. ....A  
**MICH.—Detroit**  
 Miller Lumber Co., W. A.  
 C. ....A  
 Nester, Thos. (Est.) AAAA  
 Stephens & Co., Henry  
 (Norway Pine) .....AAA  
**MICH.—Eastlake**  
 Peters, R. G. ....AA  
**MICH.—Emerson**  
 Chesbrough Bros. ....A  
**MICH.—Escanaba**  
 Pittsburg & Lake Superior  
 Iron Co. (White Cedar,  
 &c.) .....A  
**MICH.—Filer City**  
 Filer & Sons .....AAAA  
**MICH.—Grand Rapids**  
 Dennis Bros. (Hardwood).A  
 Foster-Winchester Lumber  
 Co. (Hemlock; Hardwood)  
 A  
 Fuller & Rice Lumber &  
 Mfg. Co. (Hemlock; Hard-  
 wood) .....A  
 Grand Rapids Bark & Lum-  
 ber Co. (Bark; Hemlock;  
 Hardwood) .....A  
**MICH.—Grayling**  
 Sailing, Hanson & Co.  
 (White; Cork; Norway  
 Pine) .....AAAA  
**MICH.—Hermanville**  
 Wisc. Land & Lumber Co.  
 (Hemlock; White; Pine;  
 White Cedar; Shingles;  
 Basswood; Ceiling Siding;  
 Mouldings; Hardwood;  
 Flooring) .....AAAA  
**MICH.—Honor**  
 Guelph Patent Cast Co.  
 (Saw; Shingle; Tie Mill)  
 A  
**MICH.—Ironwood**  
 Scott & Howe .....A  
**MICH.—Kenton**  
 Sparrow-Kroll Lumber Co.  
 AA  
**MICH.—Lewiston**  
 Michelson & Hanson .....A  
**MICH.—Manistee**  
 Buckley & Douglass Lum-  
 ber Co. (Timber; Lath;  
 Shingles) .....AAAA  
 Canfield Salt & Lumber Co.  
 AA  
 Manistee Lumber Co. (Lath;  
 Timber) .....AAAA  
 Sands, Louis (Pine; also  
 Lath; Shingles) .....AAAA  
 State Lumber Co. (Shingles)  
 AA  
**MICH.—Manistique**  
 Chicago Lumbering Co.  
 AAAA  
 Weston Lumber Co. ....AAA  
**MICH.—Marquette**  
 Read & Co., F. W. (Lath;  
 Shingles; Pickets; Mould-  
 ings) .....AA  
**MICH.—Marysville**  
 Mills, N. & B. (Pine;  
 Bridge Timber) .....AAA  
**MICH.—Menominee**  
 Girard Lumber Co. (Pine;  
 Hemlock; Hardwood; Ce-  
 dar Lath; Pickets; Piling)  
 AA  
 Menominee Bay Shore Lum-  
 ber Co. (Pine; Hemlock;  
 Hardwood; Cedar Lath;  
 Shingles) .....A  
**MICH.—Monroe**  
 Sterling & Son, W. C.  
 (Hardwood; Hemlock).A

**LUMBER (Con.)**

**MICH.—Muskegon**  
Thayer Lumber Co. (Lath;  
Shingles) .....A  
**MICH.—Pentwater**  
Sands & Maxwell Lumber  
Co. ....A  
**MICH.—Pequaming**  
Hebard & Son, Chas. ....AAA  
**MICH.—Saginaw**  
Avery & Co. (Lath;  
Shingles, &c.) .....AAA  
Bliss & Van Anken (Maple  
Flooring; Lath; Shingles)  
AA  
Booth & Boyd Lumber Co.  
(Lath; Shingles) .....A  
Germain, Edw. ....AA  
Jackson & Co., Thos. ....A  
Saginaw Lumber & Salt  
Co. ....AA  
Saginaw Mfg. Co. ....A  
**MICH.—Sebawaing**  
Liken & Bach (Staves;  
Headings) .....A  
**MICH.—Spring Lake**  
Cutler & Savidge Lumber  
Co. ....A  
**MICH.—Traverse City**  
Fulghum Mfg. Co. (Maple)  
B  
**MICH.—West Bay City**  
Young & Co., W. D. (Hard-  
wood; Maple Flooring) ..A  
**MINN.—Carlton**  
Sauntry-Cain Co. ....A  
**MICH.—Cloquet**  
Cloquet Lumber Co. (White  
Pine) .....AAA  
Johnson Wentworth Co.  
(White Pine Lath;  
Shingles) .....A  
Northern Lumber Co.  
(White Pine) .....AAA  
**MICH.—Duluth**  
Clark-Jackson Lumber Co.  
A  
Gilbert, F. L. ....A  
Hill Lumber Co., C. M. ....A  
Richardson & Avery. ....AAA  
Scott-Graff Lumber Co. ....A  
Split Rock Lumber Co. ....A  
Swallow & Hopkins. ....A  
**MICH.—Frazee**  
Commonwealth Lumber Co.  
(White Pine) .....A  
**MINN.—Milaca**  
Foler-Bean Lumber Co.  
(White Pine) .....AAA  
**MINN.—Minneapolis**  
Backus-Brooks Co. (White  
Pine) .....AAA  
Bovey-de Laittre Lumber  
Co. ....AA  
Bradley-Watkins Co. (White  
Cedar; White; Norway  
Pine) .....A  
Brainerd Lumber Co. (Lath;  
Shingles) .....AAA  
Coolidge-Schwessler Co.  
(Car Builders) .....B  
Nelson-Tuthill Lumber Co.  
(White Pine) .....A  
Scanlon-Gipson Lumber Co.  
(White Pine) ....AAAA  
Shevlin-Carnenter Co.  
(White Pine Shingles;  
Lath) .....AAA  
Waite Lumber Co., H. R.  
(Pine; Red Cedar  
Shingles) .....A  
**MINN.—Red Wing**  
Betcher Lumber Co., Chas.  
A  
**MINN.—St. Paul**  
Coast Lumber Co. (Shingles)  
AAAA  
Jefferson & Kasson (White  
Pine; Shingles) .....A  
Nolan Bros. & Laird (White  
Pine; Hardwood) .....A  
Osgood & Blodgett Mfg. Co.  
(Hardwood Flooring; Box  
Shooks; Mouldings) ....A  
Villume Box & Lumber Co.  
(Hardwood) .....A  
Weyerhaeuser & Co. (White  
Pine) .....AAAA  
**MINN.—Stillwater**  
Tozer, David (White Pine)  
AAAA

**LUMBER (Con.)**

**MINN.—Thief River Falls**  
Thief River Falls Lumber  
Co. ....A  
**MINN.—Virginia**  
Bailey Lumber Co., W. T.  
A  
**MINN.—Willow River**  
Atwood Lumber Co. (White  
Pine) .....A  
**MINN.—Winona**  
Bolcomb & Co., H. C.  
(White Pine) .....A  
Empire Lumber Co. (White  
Pine Lath; Shingles) ....A  
Laird; Norton Co. (White  
Pine) .....AAAA  
Schroth & Aheens (Doors,  
&c.) .....A  
Winona Lumber Co. (White  
Pine) .....AA  
Youmans Bros. & Hodgins  
(White Pine) .....A  
**MISS.—Collins**  
Williamsburg Lumber Co.  
(L. L. Yellow Pine Bridge  
Timber, &c.) .....A  
**MISS.—Ellisville**  
Ellisville Lumber Co. (L. L.  
Yellow Pine) .....A  
**MISS.—Glover**  
Knight Lumber Co.  
(Cypress, &c.) .....A  
**MISS.—Hattiesburg**  
Newman Lumber Co., J. J.  
(Yellow Pine) .....A  
**MISS.—Jackson**  
Enochs Lumber & Mfg. Co.  
(Yellow Pine) .....A  
**MISS.—Laurel**  
Eastman, Gardiner & Co.  
(L. L. Yellow Pine) ..AA  
**MISS.—Logtown**  
Weston Lumber Co., H.  
(L. L. Yellow Pine) .AAA  
**MISS.—Moss Point**  
Dantsler Lumber Co., L. N.  
(Yellow Pine; Rift Floor-  
ing) .....AA  
Denny & Co., W. (L. L.  
Yellow Pine) .....A  
Moss Point Lumber Co.  
(Yellow Pine) .....A  
**MISS.—Mt. Olive**  
Mt. Olive Planing Co.  
(Flooring; Ceiling, &c.) .A  
**MISS.—Natchez**  
Learned, R. F. (Cypress) AA  
**MISS.—Norfield**  
Norwood & Butterfield Co.  
(Yellow Pine) .....A  
**MISS.—Orvisburg**  
Champion Lumber Co.  
(Yellow Pine; Timbers) .A  
**MISS.—Wellman**  
Keystone Lumber & Im-  
provement Co. (Yellow  
Pine) .....A  
**MO.—Bethany**  
Miner & Frees .....A  
**MO.—Doniphan**  
Doniphan Lumber Co. (Yel-  
low Pine) .....AA  
**MO.—Grandin**  
Mo. Lumber & Mining Co.  
(Mo. Soft Pine) ....AAA  
**MO.—Kansas City**  
Bowman-Hicks Lumber Co.  
A  
Buchanan, Wm. (Yellow  
Pine) .....AAA  
Clark & Bates (Yellow  
Pine; Cypress) .....A  
Gloyd Lumber Co. (Yellow  
Pine, &c.) .....A  
Pickering Lumber Co., W.  
R. ....AA  
Swartz Co., E. G. ....A  
**MO.—Morehouse**  
Himmelberger-Luce Land &  
Lumber Co. (Hardwood) ..  
AA  
**MO.—St. Louis**  
Chicago Lumber & Coal Co.  
(Yellow Pine; Oak; Cy-  
press; Hemlock; Gum  
Lumber; Cedar; White  
Oak; Black Locust Poles;  
Posts; Pilings; Red Ce-  
dar; Cypress Shingles;  
White Pine Cypress;

**LUMBER (Con.)**

**Yellow Pine Laths).....AAAA**  
**Degenhart Lumber Co., J. H. ....A**  
**Detroit Timber & Lumber Co. (Long; Short Leaf Yellow Pine) .....A**  
**Eau Claire-St. Louis Lumber Co. ....A**  
**Ferguson Lumber Co., W. T. (Yellow Pine) .....AAAA**  
**Frost Trigg Lumber Co. (Yellow Pine) .....A**  
**Garetson-Greason Lumber Co. ....A**  
**Liebke Hardwood Mill & Lumber Co., C. F. ....A**  
**Little Lumber Co. (Hardwood) .....A**  
**Luehrmann Hardwood Lumber Co., C. F. (All Kinds) AA**  
**Malvern Lumber Co. (Yellow Pine) .....A**  
**Moss Tie Co., T. J. ....AA**  
**Saginaw Lumber Co. ....A**  
**St. Louis Refrigerator & Wood Gutter Co. (Yellow Pine; Oak; Cypress) ..AA**  
**So. Ark. Lumber Co. (Yellow Pine; Rift Flooring; Finish) .....AA**  
**Swartz Lumber Co. ....A**  
**Werner Saw Mill Co., Louis (Oak; Ash; Poplar; Gum; Short; L. L. Yellow Pine) AA**  
**Western Tie & Lumber Co. (Mo. Soft Pine) .....AA**  
**MONT.—Bonner Big Blackfoot Milling Co. ....AAAA**  
**MONT.—Butte Anaconda Copper Mining Co. (Oak; Maple, &c.) ..AAAA**  
**NEBR.—Lincoln Foster & Smith Lumber Co. A**  
**N. H.—Gorham Libby & Sons, E. ....A**  
**N. H.—Hookset Thompson, Jas. ....A**  
**N. H.—Laconia Cooks Lumber Co. ....A**  
**N. H.—Lincoln Henry & Sons, Jas. E. ....AAAA**  
**N. H.—Pierce Bridge Pierce, Jno., Jr. ....A**  
**N. J.—Newark Backus Lumber Co., E. P. A**  
**N. Y.—Addison Park, Winton & True ....A**  
**N. Y.—Binghamton Bartlett & Co. ....A**  
**Middlebrook & Son, C. D. A**  
**Weed & Co., J. B. ....AAAA**  
**N. Y.—Brooklyn Grupe & Gloeckner (Spanish Cedar) .....A**  
**N. Y.—Buffalo Buffalo Hardwood Lumber Co. (Hardwood) .....A**  
**Buffalo Maple Flooring Co. (Maple) .....C**  
**Empire Lumber Co. (Hardwood) .....A**  
**Emporium Lumber Co. (Hardwood) .....A**  
**Goodyear Lumber Co. (Penna. White Hemlock) AAAA**  
**Holland, Graves, Manbert & George .....A**  
**McNeill Lumber Co. ....A**  
**Montgomery Bros. & Co. (Yellow Pine; Hardwood) AA**  
**N. Y.—Canton Bucks Bridge Lumber Co. (Spruce; Hemlock; Pine) A**  
**N. Y.—Elmira Doane & Jones Lumber Co. (Car Trade a Specialty) .A**  
**N. Y.—Glens Falls Finch, Pruyn & Co. ....AAAA**  
**Kendrick & Brown Co. ....A**  
**N. Y.—Gloversville Holden, Chas. J. ....A**

**LUMBER (Con.)**

**N. Y.—New Hamburg Millard Lumber Co. (White Pine; Spruce; Hemlock; Box Shooks) .....A**  
**N. Y.—Brooklyn Brooklyn Lumber Co. (Timber) .....A**  
**New York City Cooney, Eckstein & Co. (Yellow Pine; R. R. Ties) AA**  
**Price & Hart (Furniture; Cabinets) .....A**  
**Sizer & Co., Robt. R. (Yellow Pine) .....A**  
**Skillings, Whitneys & Barnes Lumber Co. (Timber; Piling) .....AAA**  
**Wiley, Harker & Camp Co. (N. C. Pine) .....A**  
**Yellow Pine Co. (White; Yellow Pine; Spruce; Hemlock) .....AA**  
**N. Y.—North Tonawanda Charlton & Thomas, Jno. (Timber; Planing) .....AA**  
**Sawyer Lumber Co., W. H. (White Pine) .....A**  
**Shepard & Morse Lumber Co. (White Pine) .....A**  
**Thompson, Hubman & Fisher .....A**  
**White, Gratwick & Co. A**  
**White, Rider & Frost (White Pine; Spruce; N. C. Pine; Shingles) .....A**  
**N. Y.—Potsdam Sherman Lumber Co., A. (Spruce; White Pine) ...A**  
**N. Y.—Salamanca Ostrander, H. A. ....A**  
**N. Y.—Sandy Hill Griffin Lumber Co. ....A**  
**Kenyon Lumber Co. (Lath) A**  
**N. Y.—Tonawanda Eastern Lumber Co. (Mill Work) .....AA**  
**N. Y.—Waterford Burton's Sons, Wm. (Mahogany; Quartered Oak; Red Cedar Veneer, &c.) A**  
**N. Y.—Weston's Mills Weston Lumber Co. ....A**  
**N. C.—Boardman Butler's Lumber Co. (N. C. Pine) .....A**  
**N. C.—Dover Goldsboro Lumber Co. (Yellow Pine Flooring; Finish) A**  
**N. C.—Edenton Branning Mfg. Co. (N. C. Pine; Box Shooks) ....A**  
**N. C.—Elizabeth City Blades Lumber Co. (N. C. Pine) .....A**  
**East Coast Cedar Co. ....A**  
**N. C.—Highpoint Snow Lumber Co. ....A**  
**N. C.—Lenoir Wilson Lumber & Milling Co. ....A**  
**N. C.—Williamston Simmons Lumber Co., Dennis (N. C. Pine) ....A**  
**N. C.—Wilmington Bridges & McKeithan (Yellow Pine) .....A**  
**Hilton Lumber Co. ....A**  
**OHIO—Bluffton Althaus & Balmer (White Ash) .....A**  
**OHIO—Cincinnati Cincinnati Cigar Box Lumber Co. (Spanish Cedar) .A**  
**Cypress Lumber Co. ....A**  
**Maley, Thompson & Moffat (Hardwood; Mahogany; Veneer) .....A**  
**Pease Co. (Lath; Shingles) A**  
**OHIO—Cleveland Cleveland Saw Mill & Lumber Co. (Hardwood; Pine; Red Cedar; Shingles) ...AA**  
**Garry Iron & Steel Co. (Fire Proof) .....A**  
**Jenks Lumber Co., Robt. H. (Pine; Red Oak; Hemlock; Shingles) .....A**

**LUMBER (Con.)**

Martin-Barriss Co. (Mahogany; Cabinet Wood Mfg.) A

**OHIO—Coal Grove**

Yellow Poplar Lumber Co. (Yellow Poplar; White Woods) .....AA

**OHIO—Columbus**

Ritter & Co., W. M. (Oak; Poplar) .....AAA

**OHIO—Dayton**

Dayton Lumber & Mfg. Co. ....A

**OHIO—Portsmouth**

Portsmouth Veneer & Panel Co. (Compound) .....B

**OHIO—Sandusky**

Bennett Bros. Lumber Co. A  
Gelahr & Schuck .....AA

**OHIO—Toledo**

Barbour & Starr (Cork; Pine; Sash Stock) .....A

Empire Lumber Co. (White; Yellow Pine) .....A

Jacoby Co., Edwin .....A  
McLaren & Sprague Lumber Co. (White Pine) .....A

Mitchell & Rowland Lumber Co. (White; Norway Pine) .....AA

Peters, Wm. ....A  
Rib River Lumber Co. (White Pine) .....A

Smith Co., W. H. H. (White; Norway Pine). A

**OHIO—Winton Place**

Farrin, M. B. (Oak Flooring) .....AA

**OREGON—Bridal Veil**

Bridal Veil Lumbering Co. (Ore. Fir; Larch Siding; Ceiling; Finish) .....A

**OREGON—Empire**

Southern Oregon Co. ....AA

**OREGON—Eugene**

Booth-Kelly Lumber Co. ....AA

**OREGON—Fossil**

Butte Creek Land Live Stock & Lumber Co. ....A

**OREGON—Mill City**

Curtis Lumber Co. ....A

**OREGON—Perry**

Grande Pond Lumber Co. ....AA

**OREGON—Portland**

Eastern Lumber Co. ....AA  
Inman, Poulsen Co. (Oregon Pine) .....A

North Pacific Lumber Co. ....AA

Haseltine & Co., J. E. (Hardwood) .....A

**PA.—Ambler**

Keasbey & Matteson Co. ....AAA

**PA.—Bellefonte**

Crider & Son, P. B. ....AA

**PA.—Bradford**

Bemis & Son, J. M. ....AA  
Bradford Hardwood Lumber Co. ....A

Weed & Co., W. S. ....A

**PA.—Brookville**

Dickey, Wm. ....A

**PA.—Clearfield**

Clearfield Lumber Co., Ltd. (Hemlock; Pine; Oak; Hardwood) .....A

**PA.—Cooksburg**

Cook's Sons, A. ....A

**PA.—Dubois**

Du Bois, Jno. E. ....AAA

**PA.—Ebensburg**

Griffith, Webster (Maple; Flooring; Hemlock; Hardwood) .....A

**PA.—Elk Grove**

Hummer & Yorks .....A

**PA.—Empire**

Raine & Raine (Hemlock, &c.) .....A

**PA.—Emporium**

Howard Co., C. B. (Hemlock Lath; Pickets) ...A

**PA.—Evans City**

Dambaugh, Edw. ....A

**PA.—Hallton**

Hall, Gardner & Co. ....AAA

**PA.—Johnstown**

Murdock & Bro., J. M. (White Oak; Hemlock; ...A

**LUMBER (Con.)**

White Pine; Hardwood). A

**PA.—Keating Summit**

Emporium Lumber Co. (Hardwood) .....A

**PA.—Kutztown**

Gonser, John R. ....A

**PA.—Lock Haven**

Hopkins, A. C. (Hemlock, &c.) .....AAA

Hopkins & Weymouth (Hardwood; Pine; Oak) ...AAA

Kreamer, Chas. (Hemlock; Oak) .....A

Kreamer, Stevenson & Co. (Pine; Hemlock; Hardwood) .....A

PA.—Lopes

Jennings Bros. (Hemlock; Spruce; Maple, &c.) ....AAAA

PA.—Milton

Clinger, D. (Planing Mill) A

**PA.—Marionville**

Wagner & Wilson .....A

**PA.—Parnassus**

Logan & Sons, J. W. (Planing Mills) .....A

**PA.—Philadelphia**

Bayard & Co., Henry ....A

Fox, W. M. & A. M. ....A

Lippincott, Robt. C. (Mich.; N. C. Pine) .....A

Lukens Lumber Co. ....A

Rice, Thos. B. ....A

Shelp Mfg. Co., Henry H. (Cigar Box) .....A

Strong & Co., Jas. (Hemlock; Poplar; Oak; White Pine; Chestnut) .....A

PA.—Pine Grove

Royer, Mahlon H. ....A

**PA.—Pittsburg**

American Lumber & Mfg. Co. (Timbers; Glazed Factory Sash; Factory Mill Work) .....A

Empire Lumber Mfg. Co. (White; Yellow Pine; Maple Flooring) .....A

Flint, Erving & Stormer (White; Yellow Pine; Oak; Poplar; Hemlock Lath; Shingles) .....A

Huster Lumber Co. ....A

Lindsay & Hamilton (White; Yellow Pine; Oregon Fir; Hardwood, &c.) .....A

**PA.—Ridgway**

Hyde & Co., W. H. ....AAA

Hyde & Thayer .....A

Thayer, H. S. ....A

PA.—St. Marys

Kaul & Hall Lumber Co. ....AAA

Portland Lumber Co. ....AA

**PA.—Rickets**

Trexler-Terrell Lumber Co. (Hemlock; Spruce, &c.) ...AAA

**PA.—Sunbury**

Whitmer & Sons, Wm. (All Kinds) .....A

**PA.—Tidioute**

Robinson, G. W. ....A

**PA.—Vowinkle**

Rowman Lumber Co. ....A

**PA.—Warren**

Wetmore Lumber Co. ....A

**PA.—Williamsport**

Bowman, Forseman & Co. (Hemlock, &c.) .....A

Brown, Clarke & Howe (Lumber; Lath, &c.) .AAA

Emery Lumber Co. (Hemlock; Long Large Bills). A

Hall, John L. ....A

Payne, Cochran & Co. ....AAA

Righter's Sons & Co., W. (White Pine, &c.) .....A

Sones, C. W. ....A

Weis, Chas. W. ....A

West Branch Lumber Co. A

Williamsport Planing Co. A

**PA.—Wyalusing**

Welles, M. H. & G. H. ...A

Welles, N. A. ....A

S. C.—Alcoln

Alderman & Sons Co. ....A



<b>LUMBER (Con.)</b>	<b>LUMBER (Con.)</b>
<b>S. C.—Prosperity</b>	<b>VA.—Franklin</b>
Wheeler, D. H.....A	Camp Mfg. Co. (N. C. Pine; Rough; Dressed).....A
<b>TENN.—Bristol</b>	<b>VA.—Norfolk</b>
Strong Lumber Co., Jas. (Poplar; Oak; Chestnut).....A	Roanoke Railroad Lumber Co. (N. C. Pine; Kiln Dried).....AA
<b>TENN.—Chattanooga</b>	Roper Lumber Co., Jno. L. (N. C. Pine; Flooring; Ceiling, &c.).....AAA
Loomis & Hart Mfg. Co. A	<b>WASH.—Aberdeen</b>
Snodgrass & Field.....A	West & Slade Mill Co. (Pine; Shingles).....A
<b>TENN.—Crossville</b>	Wilson Bros. & Co.....A
Powell Lumber & Mining Co. ....A	<b>WASH.—Blaine</b>
<b>TENN.—Duck Town</b>	Monarch Mill Co.....A
Tennessee Cooperage Co. A	<b>WASH.—Deming</b>
<b>TENN.—Dyersburg</b>	United Shingle Co. (Shingles).....A
Stevens Lumber Co., A. M. A	<b>WASH.—Enumolaw</b>
<b>TENN.—Memphis</b>	White River Lumber Co. (Fir; Cedar; Spruce; Red Cedar Shingles).....A
Anderson-Tully Co. (Box Shooks, &c.).....A	<b>WASH.—McMurray</b>
Cole Mfg. Co. ....A	Atlas Lumber & Shingle Co. A
Darnel & Son Co., I. M. (Hardwood) .....A	<b>WASH.—Seattle</b>
Darnell, R. J. (Hardwood) A	Moran Bros. (Spruce; Cedar, &c.) .....A
Thompson Lumber Co., J. W. (Hardwood) .....A	Seattle Cedar Lumber Mfg. Co. (Red Cedar; Shingles) A
Williams & Co. (Poplar; Oak) .....A	Seattle Lumber Co....AAA
<b>PA.—Murfreesboro</b>	Statson & Post Mill Co...A
Earthman & Co., W. B. (Red Cedar; Hardwood; Fence Posts; Bevel; Poplar Siding; Yellow Pine Ceiling) .....A	Stimson Mill Co. (Shingles) AA
<b>TENN.—Nashville</b>	<b>WASH.—Tacoma</b>
Lieberman, Loveman & O'Brien .....A	St. Paul & Tacoma Lumber Co. (Fir; Cedar; Shingles) AAAA
Ransom & Co., John B...A	Wheeler, Osgood & Co. (Cal. Redwood; Red Cedar; Doors; Finish)....A
<b>TEXAS—Boren</b>	<b>WASH.—Walla Walla</b>
Smith, Cicero (Yellow Pine) .....A	Whitehouse, Crimmins & Co. A
<b>TEXAS—Dallas</b>	<b>W. VA.—Charleston</b>
Conway-Leeper Co.....A	Branch Veneer & Lumber Co. (Lumber for Built Up Work) .....A
<b>TEXAS—Galveston</b>	Charleston Lumber Co...A
Moore & Goodman (Lath; Shingles) .....A	Devereux Lumber Co. (Hardwood) .....A
<b>TEXAS—Houston</b>	<b>W. VA.—Davis</b>
Campbell, Jas. I.....AA	Blackwater Lumber Co. (Hemlock; Spruce)...AAA
Emporia Lumber Co. (L. L. Yellow Pine) .....A	<b>W. VA.—Lock Seven</b>
Jones Lumber Co., M. T. (L. L. Yellow Pine; Shingles) AA	Mohler Lumber Co. (Poplar; Oak; Walnut; Ash).. AA
<b>TEXAS—Keltys</b>	<b>W. VA.—St. Albans</b>
Angelina Lumber Co.....A	Bowman Lumber Co.....A
<b>TEXAS—Olive</b>	<b>W. VA.—Wilson</b>
Olive & Sternenberg (Yellow Pine) .....A	Wilson Lumber Co.....A
<b>TEXAS—Orange</b>	<b>WIS.—Arber Vitas</b>
Gilmer, A. (Yellow Pine).. AAA	Ross Lumber Co. (Long Joist; Heavy Timber)..A
Jones Lumber Co., M. T. (L. L. Yellow Pine; Shingles) .....A	<b>WIS.—Ashland</b>
Wingate Lumber Co., D. R. (Yellow Pine) .....A	Ashland Lumber Co. (White Yellow Pine) .....A
<b>TEXAS—Rockland</b>	Gilbert, W. H. (Norway Pine) .....A
Cameron & Co., Wm. (Yellow Pine) .....AAAA	Keystone Lumber Co. (White; Norway Pine).. AAA
<b>TEXAS—Texarkana</b>	<b>WIS.—Boscobel</b>
Buchanan, Wm. (Yellow Pine) .....A	Ruka Bros. Mfg. Co. (Hardwood) .....A
Sabine Valley Lumber Co. (Yellow Pine) ....AAAA	<b>WIS.—Chippewa Falls</b>
Southern Pine Lumber Co. (Yellow Pine) .....A	Chippewa Lumber & Boom Co. (White Pine)....AAA
<b>TEXAS—Timpson</b>	<b>WIS.—Cumberland</b>
Ragley, W. G.....A	Beaver Dam Lumber Co..A
<b>TEXAS—Waco</b>	<b>WIS.—Drummond</b>
Braselton & Johnson (Cypress; Yellow Pine; Shingles) .....A	Rust-Owen Lumber Co. (Cork; White Pine).AAA
Cameron, Wm. (Yellow Pine; Red Cypress Shingles; Lath; Mouldings; Tirs; Poles; Posts, &c.) .....AAAA	<b>WIS.—Eau Claire</b>
<b>TEXAS—Willard</b>	Northwestern Lumber Co... AAA
Thompson & Tucker Lumber Co. (Yellow Pine)....AAA	Owens Lumber Co., John S. A
<b>VT.—Danby</b>	<b>WIS.—Fairchild</b>
Griffith, S. L.....AA	Foster Lumber Co., N. C. AAA
<b>VT.—Island Pond</b>	<b>WIS.—Fond du Lac</b>
Fitzgerald Land & Lumber Co. ....A	Moore & Galloway Lumber Co. ....A
<b>VT.—Moretown</b>	<b>WIS.—Gile</b>
Ward, H. O. ....A	Montreal River Lumber Co. AA
<b>VT.—Peru</b>	<b>WIS.—Grand Rapids</b>
Peru Lumber Co.....A	Arpin Hardwood Co.....A

**LUMBER (Con.)**

**WIS.—Green Bay**  
 Murphy Lumber Co. (Box Shooks) .....AAAA  
**WIS.—Hayward**  
 North Wisconsin Lumber Co. (White Pine) .....AAAA  
**WIS.—Independence**  
 Sprecher & Shafer .....A  
**WIS.—Iron River**  
 Alexander & Edgar Lumber Co. ....A  
**WIS.—Jeffris**  
 Jeffris, D. K. ....A  
**WIS.—Kiel**  
 Laum, J. B. ....A  
**WIS.—Knapp**  
 Hall, A. B. ....A  
**WIS.—La Crosse**  
 Coleman Lumber Co., C. L. (Shingles) .....AAA  
 Goddard, Hiram .....A  
 Holway, N. B. (Est. of) ..A  
 Trow & Co., A. S. ....A  
**WIS.—Lake Nebagmain**  
 Nebagmain Lumber Co. ....AAAA  
**WIS.—Madison**  
 Brittingham & Hixon Lumber Co. ....AA  
**WIS.—Marinette**  
 Hamilton & Merryman Co. (White Pine; White Cedar Shingles; Lath, &c.) AA  
 Marinette Lumber Co. (Pine; Hemlock; Hardwood; Lath; Shingles; Barrel Staves) .....AAA  
 Merryman & Co., R. W. (Lath; Shingles) .....A  
 Sawyer-Goodman Co. (Pine; Hemlock; Hardwood Shingles; Lath) .....AAA  
**WIS.—Marshfield**  
 Conner Lumber & Land Co. A  
 Connor Co., R. (Pine; Hemlock; Hardwood; Cedar; Pine; Shingles; Cedar Posts; Poles; Basswood Sidings; Ceiling, &c.; End Matched Hardwood; Flooring, &c.) .....AAA  
**WIS.—Mason**  
 White River Lumber Co. ....AAA  
**WIS.—Mellen**  
 Foster-Latimer Lumber Co. A  
**WIS.—Merrill**  
 Gilkey & Anson Co. (Box Shooks) .....A  
 Heineman Lumber Co. ....A  
**WIS.—Milwaukee**  
 Cream City Sash & Door Co. (Maple) .....AA  
 Land Log & Lumber Co. ....AAAA  
 Rietbrook Land & Lumber Co. ....A  
 Schroeder Lumber Co., John (Maple) .....A  
 Wilbur Lumber Co. ....A  
**WIS.—Odanah**  
 Stearns Lumber Co., J. S. (White Pine) .....AA  
**WIS.—Oshkosh**  
 Paine Lumber Co. (Mill Work) .....AAAA  
**WIS.—Owen**  
 Owen Lumber Co., John S. (Pine; Hardwood) .....AA  
 —Phillips  
 Davis Lumber Co., John R. (Pine; Hemlock; Hardwood, &c.) .....A  
**WIS.—Platteville**  
 Eastman Lumber Co., M. ...A  
**WIS.—Rice Lake**  
 Rice Lake Lumber Co. (White Pine) .....AA  
**WIS.—Richland Centre**  
 Kronskop, A. H. (Maple) ..A  
**WIS.—Sawyer**  
 Shaw & Co., A. (Shingle Mill) .....A  
**WIS.—Schofield**  
 Brooks & Ross Lumber Co. (Pine; Hemlock; Lath Shingles; Pickets, &c.) ..A  
**WIS.—Star Lake**  
 Salsich & Wilson .....A

**LUMBER (Con.)**

**WIS.—Stevens Point**  
 Weeks Lumber Co., John. A  
**WIS.—Stiles**  
 Eldred Co., Anson .....A  
**WIS.—Sturgeon Bay**  
 Washburn & Co., N. S. ....A  
**WIS.—Three Lakes**  
 Woodruff & McGuire Lumber Co. ....A  
**WIS.—Tomahawk**  
 Bradley Co. (Lath; Shingles) .....A  
**WIS.—Two Rivers**  
 Two Rivers Mfg. Co. ....A  
**WIS.—Wausau**  
 Curtis & Yale Co. (Hardwood; Basswood; Pine, &c.) .....AA  
 Goodwillie Bros. (Box Shooks) .....A  
 Stewart, Alex (Lath Shingles) .....AAAA

**LUMPERS**

**MASS.—Athol**  
 Gerry & Son, Geo. ....X  
**PA.—Philadelphia**  
 Smith Woolen Machy. Co., James, 411 Race. ....AA

**LYE**

**ILL.—Chicago**  
 Brookman Bros. (Col. Chem. Wks.). 149 Huron. ....E  
 Champion Chem. Wks., 208 Mich. ....C  
**MICH.—Detroit**  
 Acme White Lead & Color Wks. ....A  
**MO.—St. Louis**  
 Myers Lye Co., E., 3d & Clark Av. (Concentrated) B  
 Priesmeyer, W. H., 1001 Carr .....A  
**N. Y.—Albany**  
 Mendelsohn & Sons (Concentrated) .....A  
**New York City**  
 Champion Chem. Wks., 177 Franklin .....B  
 Hall, E. N., 396 B'way ....A  
**OHIO—Cincinnati**  
 Amer. Chem. Co. (Concentrated) .....D  
**PA.—Philadelphia**  
 Penn. Chem. Wks. (Concentrated) .....AAAA  
 Penn. Salt Mfg. Co. (Concentrated) .....AAAA  
 Phila. Lye & Chem. Wks., 10th & Jackson (Con.) ..C  
 Tomson & Co., P. C., 25 Wash. Av. (Con.) .....AAA  
**WIS.—Milwaukee**  
 Eagle Lye Works, 28 Erie. A

**LYGOSINE**

**New York City**  
 Bischoff & Co., C., 88 Park Pl. ....B

**LYSOL**

**New York City**  
 Lehn & Fink .....AAA

**MACARONI & VERMICELLI**

**CAL.—Los Angeles**  
 Kahn-Beck Co. ....C  
 So. Calif. Macaroni Co. ..D  
**CAL.—San Francisco**  
 Chichizola & Sons, A. (Italian Delicacies) 316 Pacific A  
 Granucci Bros. (Ital. Gds.) 521 Front .....C  
 Lavaggi, G. B., 543 Wash'n C  
 Mattencel & Co., F., 411 Francisco .....D  
 Splivalo & Co., C. B., 347 Sacramento .....B  
 Valente, L., 214 B'way ..D

**MACARONI, ETC. (Con)****COLO.—Coal Creek**

Fremont Co. Macaroni Fcty. D

**DEL.—Wilmington**

Natl. Macaroni Co. .... D

**ILL.—Braidwood**

Rossi &amp; Son, Peter ..... D

**ILL.—Chicago**

Amer. Macaroni Co. (&amp;

Noodles) 135 Adams .. B

Busam, J., 278 Mohawk .. D

Canepa Bros. (also German

Home Made Egg Noodles)

101 Indiana ..... B

Foulds Milling Co., 185 Kin-

zle ..... B

Meyer Mrs. C., 1029 Milwau-

kee Av. .... C

Nardi, L., 499 W. North .. E

**IND.—Indianapolis**

Van Camp Pack. Co., 600

Ky. Av. .... AA

**IOWA.—Davenport**

Crescent Macaroni Co.

(Spaghetti) ..... B

Crescent Macaroni Co.

(Noodles) ..... B

**LA.—New Orleans**

Cusinano, J., 1238 Chartres

D

Impastato, G., 612 Du-

maine ..... D

**MASS.—Springfield**

Southern Italian Paste

Fcty., 602 S. Peters .... D

**MASS.—Springfield**

Castle, W. A. .... B

**MINN.—St. Paul**

Minnesota Macaroni Co., 44

E. Isabel ..... D

**MO.—Kansas City**

Continental Cereal Co., 528

Walnut ..... C

**MO.—St. Louis**

Amer. Macaroni Co. (also

Noodles) 7 N. 2d ..... B

Mauil Bros., St. Louis Av. &amp;

13th ..... D

Stobie Cereal Mills ..... B

**MONT.—Butte**

Imperial Paste Co. .... D

**MFONT.—Great Lake**

Imperial Paste Co. .... D

**N. J.—Jersey City**

Mueller &amp; Co., C. F. (also

Egg Noodles) 93 Boyd Av.

D

**N. Y.—Brooklyn**

Castrucella &amp; Son, A., 66

Sackett ..... B

Savarese &amp; Bros., V., 56

Irving ..... A

Zeregas Sons, A., (Ital.

Spec.) 61 Front ..... B

**N. Y.—Buffalo**

Antoniazzi, C., 161 Seneca

D

**New York City**

Archibald &amp; Lewis, 193

Front ..... C

Atlantic Macaroni Co., 508

W. 22d ..... D

Columbia Mfg. &amp; Impt'g Co.,

69 Cliff ..... D

Falcon Packing Co., 158

Franklin ..... C

Goodman &amp; Son, A.,

(Noodles) ..... C

Maspero, C., 338 Gwich. B

Moos &amp; Co., 171 Duane. D

Regensburger, Albt., 418 W.

27th ..... D

Sholl &amp; Co., E. P., (Imptr's)

118 Duane ..... A

Starace, Achille, 76 Pearl

B

**N. Y.—Rochester**

Eddy Co., L. B. (&amp; Noodles)

C

**N. Y.—Syracuse**

Hotaling-Warner Co. .... D

**N. Y.—Utica**

Italian Macaroni Co.

(Noodles Spaghetti) ... C

**OHIO.—Cincinnati**

Fonlds Milling Co., 1225

Budd ..... C

Goddum Co., A. L., 112 W.

Court ..... D

Wuerdeman Co., 427 E.

Pearl ..... D

**OHIO.—Cleveland**

Cleveland Macaroni Co.,

Shaw &amp; Big 4 B. R. ... C

Praffman Egg Noodle Co.

**MACARONI, ETC. (Con)**

(&amp; Noodles) 278 Seneca

D

**OHIO.—Sandusky**

Peninsular Macaroni Co.

C

**ORE.—Portland**

Allers Bros. Milling Co... C

**PA.—Allegheny**

Pittsburg Macaroni Fcty.

C

**PA.—Carnegie**

Bisi, E. .... A

**PA.—Harrisburg**

Smith &amp; Co., S. R. (Noodles)

D

**PA.—Philadelphia**

Cuneo, Frank, 832 So. 8th

B

Cuneo &amp; Co., J., 901 So.

8th ..... C

Guano &amp; Raggio, 924 So. 7th

B

**PA.—Pittsburg**

Piccardo, B. (also Noodles)

185 1st ..... B

**PA.—Scranton**

Cassese Bros. .... D

**PA.—Wakarusa Mills**

Bisi, E. .... A

**TEXAS.—Galveston**

Martinelli &amp; Co., G. .... D

**MACERATORS****KANS.—Fort Scott**

Ft. Scott Fdry. &amp; Mach. Co.

H

**MACHETS****CONN.—Collinsville**

Collins Co. .... AAAA

**MAINE.—East Wilton**

Clarke &amp; Parsons Co. .... X

**N. Y.—New York City**

Abercrombie &amp; Fitch, 314

B'way ..... C

Collins &amp; Co., 212 Water

A

**PA.—Beaver Falls**

Emerson, Smith &amp; Co. ... A

**PA.—Philadelphia**

Disston &amp; Sons (Inc.), Hen-

ry ..... AAAA

**MACHINERY**

Of all kinds, fully indexed,

see Appendix; see also

Mills; Tools; also look for

Machinery or Machine

Wanted)

Also Agricultural Imple-

ments

**MACKEREL**

See Fish

**MACKINAW**

See Clothing; Mens.

**MACK-****INTOSHES****MD.—Baltimore**

Adler, L. &amp; D. .... C

**MASS.—Boston**

Amer. Rubber Co. .... AAAA

Boston Rubber Shoe Co.

AAAA

Columbia Rubber Shoe Co.

D

Co-operative Rubber Co., 175

Hanover (Rubber) .... B

McIntyre &amp; Co., J. C., 20

Chauncy ..... D

Stoughton Rubber Co. ... AA

Union Rubber Co., 65 Es-

sex ..... A

**N. Y.—New York City**

Goodyear India Rubber Glove

Mfg. Co., 503 B'way

AAAA

Goodyear Rubber Co., B'way

AAAA

Hodgman Rubber Co., 806

B'way ..... AA

Mandelberg &amp; Co., J., 20 W.

20th ..... A

**MAKINTOSHES (Con)**  
 Mechanical Rubber Co. ....  
     AAAA  
 Pantastote Leather Co. ....  
     (Army; Automobile; ...)  
     Sportmen's) .....AA  
**OHIO—Akron**  
 Goodrich Co., B. F. ....  
     AAAA  
**PA.—Philadelphia**  
 Delaware Rubber Co., 631  
 Market .....X  
**WIS.—La Crosse**  
 La Crosse Rubber Mills Co. ....  
     A  
**WIS.—Racine**  
 Chicago Rubber Clothing Co. ....  
     A

## MADRAS

See Cotton Goods

## MAGAZINES

**OHIO—Cleveland**  
 Garry Iron & Steel Roof-  
 ing Co. (Iron) .....A

## MAGNESITE

**N. Y.—Brooklyn**  
 Wiarda & Co., Jno. C.  
 (Powdered) .....AA  
**New York City**  
 Whittaker, W. H., 245  
 Front (Calcined; Lump;  
 Powdered) .....E  
**PA.—Ambler**  
 Keasby & Mattison Co.  
 (Powdered) .....AAAA  
**N. Y.—Easton**  
 Baker & Adamson Chemical  
 Co. (Powdered) .....A  
 Williams & Co., C. K., (Pow-  
 dered) .....A

## MAGNESIUM

**PA.—Ambler**  
 Keasby & Mattison Co. ....  
     AAAA  
**ILL.—Chicago**  
 Western Telephone Mfg. Co.  
 (Telephone) .....B

## MAGNETOS

**ILL.—Chicago**  
 Swedish-American Telephone  
 Co., 88 W. Jack Boul. ...A  
**IND.—South Bend**  
 Knoblock-Heldman Mfg. Co.  
 (Sparkling) .....D  
**MASS.—Brookline**  
 Holtzer-Cabot Elec. Co.  
 (Testing) .....A  
**S. C.—Sumter**  
 Sumter Telephone Mfg. Co. ....  
     A

## MAGNETS

**CONN.—Ansonia**  
 Ansonia Electrical Co. (Elec-  
 tro) .....A  
**CONN.—Manchester**  
 Norton Electrical Instrument  
 Co. (Horse Shoe) .....D  
**ILL.—Chicago**  
 McDermid Mfg. Co., Board  
 of Trade Bldg., (Electro) ....  
     C  
 Scheutel & Co., W., 171 E.  
 Randolph (Eye) .....D  
 Western Electric Co. (Elec-  
 tro; Horse Shoe) .....AAAA  
**IND.—Indianapolis**  
 Nordyke & Marmon Co.  
 (Electro) .....AAA  
**IND.—South Bend**  
 Knoblock-Heldman Mfg. Co.  
 (Electro) .....D  
**MASS.—Boston**  
 Hall Scientific Co., Arthur  
 W., 141 Franklin (Electro) ....  
     E  
**N. Y.—New York City**  
 Bunnell & Co., J. H., 20  
 Park Pl. (Horse Shoe) ....  
     B  
 Glaenger, Freres & Reinhold,  
 26 Wash'n Place (Imp't'd  
 Electro) .....A  
 McCoy Co., Jos. F., 157  
 Chambers (Lifting) ....R

## MAGNETS (Con.)

Manhattan Electrical Sup-  
 ply Co., 32 Cortlandt  
 (Electro) .....AA  
 Splittorf, Chas. F., 23 Van-  
 dewater (Electro) .....E  
**N. Y.—Schenectady**  
 General Electrical Co.  
 (Horse Shoe) .....AAAA  
**OHIO—Cincinnati**  
 Electrical Appliance Co., 186  
 Longworth (Electro) ..C  
**OHIO—Cleveland**  
 Electric Controller & Supply  
 Co. (Lifting Electro) ..A  
 North Electric Co. ....A  
**R. I.—Phillipsdale**  
 Varley Duplex Magnet Co.  
 (Electro) .....A  
**N. J.—Paterson**  
 Ferrary & Schauble Co. ...D  
 Ulrich & Co. (Brass & Steel) ....  
     O  
 Walder, Jacob (Brass &  
 Steel) .....AA

## MAHOGANY

See Lumber

## MALLETS

**CONN.—Collinsville**  
 Hartigan, W. R. (Wooden) ....  
     H  
**CONN.—Deep River**  
 Williams & Marvin Mfg. Co.  
 (Wooden; Lignumvitae;  
 Calking; Ice Pick; Print-  
 ers'; Tanners') .....D  
**CONN.—Middletown**  
 Wilcox, Crittenden & Co.  
 (Calking; Wooden) .....A  
**CONN.—New Britain**  
 Stanley Rule & Level Co.  
 (Wooden) .....AAAA  
**CONN.—Saugatuck**  
 Doshier Plane & Tool Co.  
 (Wooden) .....B  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co.  
 (Tanners'; Wooden) .....AAAA  
**CONN.—Torrington**  
 Union Hdw. Co. (Calking;  
 Wooden) .....AA  
**ILL.—Chicago**  
 Chicago Rawhide Mfg. Co.,  
 75 E. Ohio (Rawhide) ...A  
 Dental Protective Supply  
 Co., Champlain Bldg. (Auto-  
 matic) .....A  
 Morgan & Wright (Inc.), 333  
 W. Lake (Rubber) ...AA  
 Redlich Mfg. Co. (Rubber  
 Ended) .....B  
**IND.—Indianapolis**  
 Tucker & Dorsey Mfg. Co.  
 (Tanners') .....A  
**MASS.—Boston**  
 Boston Belting Co., 256 De-  
 vonshire (Rubber), .....AAAA  
 Boston & Lockport Block  
 Co., 160 Commercial  
 (Wooden; Lignumvitae) A  
 Harvey, H. H. (Stone Out-  
 ters') .....D  
 Walte, Ranlet & Co.  
 (Wooden) .....B  
**MASS.—Brookton**  
 Brockton Mallett Co. (Raw-  
 hide) .....B  
**MASS.—Kingston**  
 Drew & Co., C. (Calking) C  
**N. J.—Newark**  
 Bernz, Otto, S. 13th & S.  
 Orange Av. (Wooden) ..B  
 Sommer's Son, Jno., 355 Cen-  
 tral Av. (Wooden) .....A  
**MICH.—Ludington**  
 Tubbs Mfg. Co. (Printers) ....  
     B  
**N. Y.—Buffalo**  
 White Co., L. & J., Perry  
 & Columbia (Calking) ..A  
**New York City**  
 Estes & Sons, E. B., 45 John  
 (Wooden) .....AA  
 Hoe & Co., R. (Printers') ....  
     AAAA  
**New York Belting & Pack-  
 ing Co., 25 Park Pl. (Rub-  
 ber) .....AAA**  
 Peerless Rubber Mfg. Co.  
 (Rubber) .....AA  
 Stimpson & Son, Edwin B.

**MALLETS (Con.)**

(Rawhide) ..... B  
 Stoutenborough, X. (Ice  
 Pick) ..... D  
 Tiebout, W. & J., 118 Cham-  
 bers (Calking) ..... B  
**N. Y.—Stony Brook**  
 Stossel, Carl (Boiler Mak-  
 ers'; Carpenters'; Copper-  
 smiths'; Gavel; Metal  
 Workers') ..... F  
**N. Y.—Syracuse**  
 New Process Rawhide Co.  
 (Rawhide) ..... B  
 Stearns & Co., E. C. (Car-  
 penters'; Fibre Head; Lign-  
 umvitae; Tinnners') .. AA  
**OHIO—Akron**  
 Baker, McMillen Co. (Wood-  
 en) ..... B  
 Goodrich Co., B. F. (Rubber)  
 ..... AAAA  
**OHIO—Cincinnati**  
 Obermayer Co., S. (Box-  
 wood; Rawhide) ..... AA  
**OHIO—Cleveland**  
 Osborn Mfg. Co. (Rubber;  
 Wooden) ..... B  
**OHIO—Columbus**  
 Ohio Tool Co. (Boxwood;  
 Lignumvitae) ..... AA  
**OHIO—Piqua**  
 Piqua Handle & Mfg. Co.  
 (Wooden) ..... A  
**OHIO—Sandusky**  
 Sandusky Tool Co. (Wooden;  
 Carpenters'; Tinnners') .. A  
**OHIO—Youngstown**  
 Republic Rubber Co. (Rub-  
 ber) ..... AA  
**PA.—Erie**  
 Continental Rubber Wks.  
 (Rubber) ..... A  
**PA.—Philadelphia**  
 Paxson Co., J. W. (Wooden)  
 ..... AA  
**R. I.—Pawtucket**  
 Bliss Mfg. Co., R. (Wooden;  
 Boxwood; Lignumvitae)  
 ..... AAAA  
**R. I.—Providence**  
 Holbrook, A. & C. W. (Raw-  
 hide) ..... B  
**WIS.—Two Rivers**  
 Hamilton Mfg. Co. (Print-  
 ers') ..... AA

**MALT**

**MD.—Baltimore**  
 McCormick & Co. .... D  
**MASS.—Boston**  
 Dole Bros., Hops & Malt Co.  
 ..... B  
**MINN.—Hastings**  
 Hastings Malting Co. .... A  
**MINN.—New Ulm**  
 Hauenstein Brewing Co.,  
 Jno. .... B  
**MINN.—St. Paul**  
 Hauser & Sons Malting Co.  
 ..... A  
**MINN.—St. Peter**  
 Engesser Brewing Co. .... A  
**MO.—St. Louis**  
 Anheuser-Busch Brewing  
 Assn. .... AAAA  
**MONT.—Butte City**  
 Centennial Brewing Co. .... A  
**N. J.—Newark**  
 Feigenspan, Christain .... X  
**N. Y.—Brooklyn**  
 Leavy & Britton Brewing Co.  
 ..... B  
**N. Y.—Buffalo**  
 Schaefer & Sons Malting Co.  
 ..... B  
**N. Y.—East Syracuse**  
 Benedict Mfg. Co., M. S.  
 ..... AA  
**N. Y.—Geneva**  
 Nester, S. F. .... AAAA  
**New York City**  
 Beadleston & Woerz ..... A  
**WIS.—Kenosha**  
 Pettit Malting Co., M. H., A  
**WIS.—La Crosse**  
 Gund Brewing Co., Jno.  
 ..... AAAA  
**WIS.—Milwaukee**  
 Gerlach & Co., Wm. .... A  
 Pabst Brewing Co. .... AAAA

**MANDOLINS**

See Musical Instruments

**MANDRELS**

**CAL.—San Francisco**  
 Pacific Saw Mfg. Co. (Circu-  
 lar Saw) ..... X  
**CONN.—Hartford**  
 Pratt & Whitney Co.  
 (Taper) ..... AAAA  
**CONN.—Norwich**  
 Rogers & Co., C. B. (Circu-  
 lar Saw) ..... AAAA  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co.  
 ..... AAAA  
**CONN.—South Norwalk**  
 Le Count, Wm. G. (Expand-  
 ing) ..... D  
**GA.—Atlanta**  
 Southern Saw Wks. (Circu-  
 lar Saw) ..... B  
**ILL.—Cairo**  
 Reed, Jos. B. (Saw) ..... B  
**ILL.—Carpentersville**  
 Illinois Iron & Bolt Co. (or  
 Cones; Blacksmiths') .X  
**ILL.—Chicago**  
 Rich Mfg. Co., Geo. R. (Ex-  
 panding) ..... D  
**IND.—Indianapolis**  
 Atkins & Co., E. C., 402 S.  
 Illinois (Circular Saw)  
 ..... AAAA  
 Barry Saw & Supply Co.,  
 W. B. (Circular Saw) .. C  
**IOWA—Dubuque**  
 Adams Co. (Stove Pipe) .. A  
**MAINE—Bangor**  
 Union Iron Wks. (Saw) .. A  
**MASS.—Boston**  
 Woods Machine Co., S. A.,  
 445 Dorchester (Saw), AA  
**MASS.—Canton**  
 Kinsley Iron & Machine Co.  
 (Circular Saw) ..... AA  
**MASS.—Fitchburg**  
 Putnam Machine Co. (Auto  
 Cone) ..... A  
**MASS.—Greenfield**  
 Wells Bros. Co. .... A  
 Wiley & Russell Mfg. Co.  
 (Taper) ..... AA  
**MASS.—New Bedford**  
 Morse Twist Drill & Machine  
 Co. (Expanding; Taper)  
 ..... AAA  
**MO.—St. Louis**  
 Plunger & Henger Mfg. Co.,  
 11th & Herbert ..... A  
**N. J.—Elizabeth**  
 Braunsdorf-Mueller Co. .. D  
**N. J.—Gloucester City**  
 Rogers Gauge & Drill Wks.,  
 Jno. M. .... A  
**N. J.—Smithville**  
 Smith Machine Co., H. B.  
 (Saw, Circular) ..... A  
**N. Y.—Brooklyn**  
 Oldham & Sons, Joshua  
 (Circular Saw) ..... D  
**N. Y.—Buffalo**  
 Frank Machinery Co. (Circu-  
 lar Saw) ..... C  
 Niagara Machine & Tool  
 Kks. .... A  
**N. Y.—Middletown**  
 National Saw Co. (Saw) ... A  
**New York City**  
 Amer. Woodworking Ma-  
 chine Co., 136 Liberty  
 (Circular Saw) ..... AAAA  
 Etna Mfg. Co., 253 Eway. X  
 Fairbanks Co. (Expanding;  
 Circular Saw) ..... AAAA  
 Hoe & Co., R., 506 Grand  
 (Saw) ..... AAAA  
**OHIO—Akron**  
 Whitman & Barnes Mfg. Co.  
 ..... AAAA  
**OHIO—Carthage**  
 Block-Pollak Iron Co. .... AAAA  
**OHIO—Cincinnati**  
 Cincinnati Screw & Tap Co.  
 ..... A  
 Cordesman Machine Co., 25  
 Butler (Saw) ..... X  
 Fay & Egan Co., J. A.,  
 Front & John (Saw)  
 ..... AAAA  
 Lane & Bodley Co. (Circular  
 Saw) ..... B

## MANDRELS (Con.)

**OHIO—Cleveland**  
Cleveland Twist Drill Co. (Blacksmiths') .....A  
Standard Tool Co. ....AA  
**OHIO—Columbus**  
Buckeye Saw Mfg. Co. (Circular Saw) .....D  
**OHIO—Springfield**  
Western Mfg. Co. (Expanding) .....D  
**PA.—Beaver Falls**  
Champion Saw & Gas Engine Co. (Saw) .....X  
Emerson, Smith & Co. (Saw) .....A  
**PA.—East Stroudsburg**  
Stauffer, Geo./E. ....C  
**PA.—Philadelphia**  
Diston & Sons (Inc.), Henry (Saw) .....AAAA  
Earle Gear & Machine Co., D Power & Co., L., 20 S. 23d (Saw) .....A  
**PA.—Pittsburg**  
Lippert, E. T. (Saw) .....X  
**PA.—Wilkesbarre**  
Nicholson & Co., W. H. (Expanding; Lathe) .....C  
**PA.—York**  
Farquhar & Co. (Ltd.), A. B. (Saw) .....AAA  
**R. I.—Providence**  
Browne & Sharpe Mfg. Co. (Taper) .....AAAA  
**TENN.—Chattanooga**  
Wheland Machine Wks. (Saw) .....A  
**TENN.—Jackson**  
Southern Engine & Boiler Wks. (Inc.) (Saw) ....AA  
**VT.—Montpelier**  
Lane Mfg. Co. (Circular Saw) .....A

## MANGANES

**CAL.—San Francisco**  
Union Iron Wks. (Bronze) X  
**D. C.—Washington**  
Kendall & Flick .....A  
**MD.—Baltimore**  
Thomsen Chemical Co. (Carbonate) .....B  
**MASS.—Boston**  
Billings, Clapp & Co. (Salts) AA  
**MO.—St. Louis**  
Mallinckrodt Chemical Wks. (Salts) .....AAAA  
**N. J.—High Bridge**  
Taylor Iron & Steel Co. (Steel; Steel Castings; Steel Forgings) .....AAAA  
**N. J.—Jersey City**  
Williams & Son, E. A. (Bronze) .....AA  
**N. Y.—Brooklyn**  
Wiarda & Co., Jno. C. (Oxide; Salts) .....AA  
**New York City**  
Chrystal, Charles B. ....D  
Cooper & Co., Chas., 194 Worth .....AA  
Feuchtwanger & Co., L. (Salts) .....B  
Klipstein & Co., A .....AA  
Lamson & Bro., Jno. S. ....A  
Lee & Co., James .....A  
Roessler & Hasslacher, 100 William (Chloride, Oxide; Sulphate) .....AA  
Wegelin & Wilckes .....C  
**PA.—Chester**  
Crown Smelting Co. (Bronze) .....A  
**PA.—Easton**  
Baker & Adamson Chemical Co. (Salts) .....A  
**PA.—Philadelphia**  
Pennsylvania Salt Mfg. Co. (Salt) .....AAAA  
Samuel, Frank (Firm of) 1502 Market .....A  
Powers - Weightman - Rosengarten Co. (Salts) AAAA  
**PA.—Pittsburg**  
Finkell-Hachmeister Chemical Co. (Oxide; Borate; Chloride) .....D

## MANGERS

**ILL.—Chicago**

## MANGERS (Con.)

Barbee Wire & Iron Wks. B  
Illinois Malleable Iron Co. (Feed) .....AAAA  
**N. J.—Burlington**  
Stewart & Peterson Co. (Horse Feed) .....A  
**N. Y.—Greene**  
Lyon Iron Works (Casein) B  
**N. Y.—Manlius**  
Cheney & Son, S. (Feed) ..A  
**N. Y.—Munnsville**  
Munnsville Plow Co. (Field) B  
**New York City**  
Fiske Iron Wks., J. W. .B  
**N. Y.—Warsaw**  
Warsaw Elevator Co. (Feed) B  
**OHIO—Toledo**  
Donovan Wire & Iron Co. (Feed) .....C  
**PA.—Elizabethtown**  
Buch's Sons, A. ....A  
**PA.—Hamburg**  
Loose & Son, S. A. (Feed) B  
**VA.—Norfolk**  
Whitehurst Co., R. W. (Feed) .....B

## MANGLES

See also Machinery; Laundry

**ILL.—Chicago**  
Steel Roll Mangle Co., 214 Washn. (Laundry) .....F  
**MASHS.—Boston**  
Walworth Mfg. Co. ....AAAA  
**MICH.—Muskegon**  
Automatic Wringer Co. (Laundry) .....X  
**N. Y.—New York City**  
Amer. Wringer Co. ....AAAA  
Export Laundry Machry. Co., 74 W. Houston (Laundry) .....X  
Oakley & Keating, 40 Cortlandt (Laundry) .....X  
**N. Y.—Rochester**  
Hagen & Co., A. L. (Laundry) .....AA  
**N. Y. Troy**  
Adams Laundry Mach. Co. B  
Troy Laundry M'ch'ry Co. (Ltd.) (Laundry) ....AA  
**OHIO—Cincinnati**  
Amer. Laundry Mach. Co. B  
Watkins Laundry Mch'y Co., F. M. (Laundry) .....A  
**OHIO—Hamilton**  
Betz Mfg. Co. (Steam Laundry) .....D  
**OHIO—Sandusky**  
Warren Electric Mfg. Co. A  
**PA.—Columbia**  
Nilson Laundry Mach'y Co. A  
**PA.—Philadelphia**  
Butterworth & Sons Co., H. W. ....A  
**WIS.—Racine**  
Collier, T. & P. ....X  
Foster & Williams Mfg. Co. B  
Racine Hwd. Co., (Laundry) .....X  
**PA.—Coatesville**

## MANHEADS

Lukens Iron & Steel Co. (Yokes; &c.; Pressed Steel) .....AAAA  
Worth Bros Co. (Yokes; &c.; Pressed Steel) .....AA  
**PA.—Harrisburg**  
Central Iron & Steel Co. (Yokes; &c.; Pressed Steel) .....AAAA  
**PA.—Pottstown**  
Glasgow Iron Co. (Yokes; &c.; Pressed Steel) .AAAA  
**PA.—Williamsport**  
Keeler Co., E. ....A

## MANICURE GOODS

See Silverware Novelties

## MANHOLES

OHIO—Youngstown  
Sennett Co., Geo. B. (Street) B

## MANILLA

See Paper

## MANTELS

See also Clothing; Ladies

ALA.—Birmingham  
Wood, Dickerson & Putnam  
(Wood) .....B

CAL.—San Francisco  
Bennett & Schutte, 184 Val-  
encia (Marble; Wood) .D

Mangrum & Otter, 581 Mar-  
ket (Wood) .....A  
Sterling Furniture Co., 1089  
Market (Wood) .....A

COLO.—Denver  
Paulson, Jno. P., 1831 Wa-  
zee (Wood) .....A

Sayre-Newton Lumber Co.,  
22d cor. Blake (Wood) AAA

CONN.—Hartford  
Hartford Falence Co.  
(Falence) .....B

White & Whitmore (Wood) O

GA.—Augusta  
Perkins Mfg. Co. (Wood) A

GA.—Tate  
Sickels Co., Geo. B. (Mar-  
ble) .....B

ILL.—Chicago  
Andrews Co., A. H. (Wood) AA

Ayers Mantel Co., John W.  
(Wood) .....E  
Foster-Munger Co., W. 20th  
& S. Sagamon (Wood) AA

Gauger & Co., John A., W.  
22d & Laflin (Wood) .AA

Hawes & Dodd, 24 Adams  
(Mosaic) .....C

Palmer-Fuller & Co., 2244  
Lumber (Wood) .....A

Petersen Co., Geo. L.  
(Wood) .....B

Roberts & Co., E. L., W.  
22d & Union (Wood) .A

Sherman & Flavin, 2511  
State (Marble; Mosaic;  
Onyx) .....B

ILL.—Dixon  
Fletcher Mfg. Co. (Wood) B

ILL.—Edwardsville  
Leclair Mfg. Co. (Wood) .B

ILL.—Moline  
Moline Furniture Wrks.  
(Wood) .....B

ILL.—Peoria  
Peoria Stone & Marble Wrks.  
(Marble) .....A

ILL.—Quincy  
Quincy Show Case Wrks.  
(Wood) .....A

ILL.—Rockford  
Rockford Mantel Co. (Wood) A

ILL.—Rock Island  
Rock Island Sash & Door  
Wrks. (Wood) .....AA

IND.—Indianapolis  
Huey Co., M. S. (Wood) B

IND.—Tell City  
Tell City Desk Co. (Wood) B

IOWA—Clinton  
Curtis Bros. & Co. (Wood) AAA

IOWA—Des Moines  
Des Moines Marble & Man-  
tel Co. (Marble) .....O

IOWA—Dubuque  
Carr, Ryder & Adams Co.  
(Wood) .....A

IOWA—Lyons  
Disbrow & Co., M. A.  
(Wood) .....A

## MANTELS (Con.)

IOWA—Muscatine  
Roach & Musser Sash &  
Door Co. (Wood) ..AAA

IOWA—Sioux City  
Curtis Sash & Door Co.  
(Wood) .....AA

KY.—Louisville  
Fischer-Leaf Co., 488 High  
(Marbleized Iron) .....A

Gernert Bros. Lbr. Co., 6th,  
Hill & A. (Wood) .....B

Hegan Mantel Co., 631 4th  
(Wood) .....B

Hughes & Sons Co., W. J.,  
14th, Cor. Maple (Wood) A

Kentucky Stove Co., 1401  
Deleware (Marbleized  
Iron) .....B

Voss-Cochrane Mantel Co.,  
A. F., 16th & Arbogust  
(Wood) .....C

KY.—Mount Sterling  
McCormick, Lyons & Co.  
(Wood) .....B

Star Planing Mill Co.  
(Wood) .....C

LA.—Patterson  
Cypress Tank & Mfg. Co.  
(Wood) .....B

LA.—Shreveport  
Allen Mfg. Co. (Wood) .B

MAINE—Bangor  
Morse & Co. (Wood) .AA

MAINE—Portland  
Allen, W. A., 125 Somerset  
(Wood) .....F

Delano Planing Mill Co.  
(Wood) .....D

Smith & Rumery, 510 Fore  
(Wood) .....D

MD.—Baltimore  
Broadbent & Davis Mantel  
Co. (Wood) .....D

Evaus Marble Co., 204 E.  
York (Marble) .....A

Hilgartner & Sons, L., 714  
W. Baltimore (Marble) C

MASS.—Boston  
Boston Fire Brick Co. (Geo.  
M. Fiske, Mgr.) 164 De-  
vonshire (Brick) .....A

Boston Mosaic Co., 131  
Wash'n N. (Mosaic) .X

Grueby Falence Co., E. 1st  
& K. (Falence) .....D

Irving & Casson, 150 Boyl-  
ston (Wood) .....A

Paine Furniture Co., 48 Ca-  
nal (Wood) .....A

Stearns Lumber Co., A. T.,  
(Wood) .....AA

MASS.—Cambridge  
Hall & Co., C. E., 62 1st  
(Marble) .....A

MICH.—Detroit  
Christa & Sons, Philip, 504  
Lafayette Av. (Marble;  
Onyx) .....B

MICH.—Grand Rapids  
Aldine Grate & Mantel Co.,  
Court, cor. Shawmut Av.  
(Wood) .....C

Ocker & Ford Mfg. Co.  
(Wood) .....A

MICH.—Saginaw  
Mershon & Co. (Inc.) Wm.  
B. (Wood) .....A

MINN.—Minneapolis  
Northwestern Mantel Co.,  
419 S. 6th (Wood) ...C

MINN.—St. Paul  
St. Croix Lumber Co., Ger-  
mania Life Bldg. (Wood) AAA

MISS.—Jackson  
Enochs Lumber & Mfg. Co.  
(Wood) .....A

MO.—Kansas City  
Whitcomb Cabinet Co., 1209  
Walnut (Wood) .....D

MO.—St. Louis  
Beattie Mfg. Co., 2202 Pine  
(Wood) .....A

Pickel Marble & Granite Co.,  
N. 1907 B'way (Marble) A

NEBR.—Lincoln  
Curtis & Bartlett Co.  
(Wood) .....A

NEBR.—Omaha  
Adams & Kelly Co. (Wood) B

**MANTELS (Con.)**  
 Bloom Co., Alfred, 1502 California (Wood) .....C  
**N. H.—Milford**  
 Pierce & Co., W. E. (Wood) D  
**N. J.—Perth Amboy**  
 Perth Amboy Terra Cotta Co (Terra Cotta) .....AA  
**N. Y.—Binghamton**  
 Robertson & Son, A. (Wood) AA  
**N. Y.—Brooklyn**  
 Bossert & Son, Louis, Grand & Newton Creek (Wood) AAAAA  
 Hecla Iron Wrks., N. 11th & Berry (Iron, Electro Bronze Plated) .....AA  
 McGratty & Sons, 318 Butler (Onyx) .....X  
 White, Potter & Paige Mfg. Co., 415 Willoughby (Wood) .....A  
**N. Y. Buffalo**  
 Cooper Marble & Monumental Wrks., W. F., 885 W. Delavan (Marble) .....D  
 Loutz Co., 861 Main (Marble; Onyx) .....A  
 Steul & Thuman Co., 273 Johnson (Wood) .....A  
 Stuhlmueller, Wm. L. (Wood) C  
**N. Y.—Elmira**  
 Kertscher & Co. (Wood) ..A  
**N. Y.—Jamestown**  
 Munson & Johnson (Wood) B  
**New York City**  
 Batterson & Eisle, 481 11th Av. (Marble; Onyx) ...A  
 Buess, Wm., 316 E. 95th (Marble; Slate) .....E  
 Currier Co., E. Bradley 119 W. 23d (Wood) .....B  
 Graf, Frank H., 322 7th Av. (Marble Wood) .....D  
 Fisher & Co., Robert C., 97 E. Houston (Marble; Onyx) .....AA  
 Harris, Brick Co., 1123 B'way (Brick) .....A  
 Jackson Co., Wm. H., 29 E. 17th.. (Marble; Slate; Wood) .....A  
 Kimbel & Sons, A., 398 5th Av. (Wood) .....A  
 Klaber & Co., S., 47 W. 42d (Marble; Onyx) .....B  
 Pellarin & Co., 23 W. 8th (Mosaic) .....E  
 Penrhyn Slate Co., 493 E. 138 (Slate) .....X  
 Shipway & Bro., Jno. H. ft. E. 136th (Marble)..A  
 Stoltzenberg Co., 51 & 53 Barclay (Mosaic) .....B  
 Traitel Bros. & Co., 133 W. 42d (Mosaic) .....B  
**N. Y.—Poughkeepsie**  
 Van Wyck & Collins, 170 Main (Marble) .....D  
**N. C.—Charlotte**  
 Carolina Mfg. Co. (Wood) C  
**N. C.—Greensboro**  
 McClamroch Mantel Co. (Wood) .....E  
**N. C.—High Point**  
 Grand Rapids Furniture Co. (Wood) .....B  
**N. C.—Mt. Airy**  
 Mt. Airy Mantel & Table Co. (Wood) .....D  
**OHIO—Cincinnati**  
 Great Western Marble Wrks. (Phillip McDonough, Prop.) cor. Park & 2d (Marble) .....C  
 Mitchell Furniture Co., Robert, 624e Rac (Wood) AAAAA  
 Pease Co. (Wood) .....A  
 Standard Marble Wrks. (Jno., M. Mueller, Jr. Prop.) 706 W. Front (Marble) .....B  
 Thauwald & o., C. F., 1214 Harrison Av. (Wood) ..A  
 Varwig Mfg. Co. (Wood) C  
 Wiggers Furniture Co., The 1423 Plumb (Wood) ..B  
**OHIO—Columbus**  
 Ohio Furniture & Mantel Co.

**MANTELS (Con.)**  
 (Wood) .....B  
 Taylor Mantel & Grate Co., Wm. M., 26 S. 3d (Marbleized Slate; Slate; Wood) .....B  
**OHIO—Dayton**  
 Requarth Co., F. A. (Wood) B  
**OHIO—Hillsboro**  
 Enterprise Planing Mill Co. (Wood) .....B  
**OHIO—Ironton**  
 Ironton Wood Mantel Co. (Wood) .....D  
**PA.—Bangor**  
 Amer. Slate Co. (Slate)..D  
 Bangor Crescent Slate Co. (Marbleized Slate; Slate) B  
 Columbus Bangor Slate Co. (Slate) .....A  
**PA.—East Bangor**  
 East Bangor Consolidated Slate Co. (Marbleized Slate; Wainscoating; Slate) .....AA  
**PA.—Easton**  
 Penna. Structural Slate Co. (Marbleized Slate; Slate) B  
**PA.—Fallston**  
 Fallston Fire Clay Co. (Brick) .....B  
**PA.—Lewisburg**  
 Nesbit Co., D. M. (Wood) A  
**PA.—Pen Argyle**  
 Crown Slate Co. (Slate) ..C  
**PA.—Philadelphia**  
 French & Co., Sam'l H. 4th & Callowhill (Marbleized Slate; Slate; Wood; A  
 Hale & Kilburn Mfg. Co., 43 N. 6th (Wood)..AAAA  
 Italian Marble Mosaic Co., 431 Spruce (Mosaic) ..F  
 Sharpless & Watts, 1522 Chestnut (Mosaic) ....A  
 Thompson & Co. Lewis. 127 Walnut (Wood) .....D  
**PA.—Pittsburg**  
 Aiken & Co., 47 7th (Slate) B  
**PA.—Warren**  
 Spinner Heater Co., Wm. (Steel; for Gas) .....F  
**TENN.—Knoxville**  
 King Mantel Co., 624 Gay (Wood) .....C  
**TENN.—Memphis**  
 Wetter Mfg. Co., H. (Iron) A  
**TENN.—Nashville**  
 Phillips & Buttorf Mfg. Co. (Wood; Iron) .....AAAA  
**TEXAS—Austin**  
 Nalle & Co. (Hard & Soft Wood) .....AA  
**TEXAS—Houston**  
 Bering Mfg. Co. (Wood) AA  
**VT.—Burlington**  
 Mason & Co. (Wood) ...B  
**VT.—Fair Haven**  
 Allen's Sons, S. (Marbleized Slate; Slate) .....D  
 Coulman & Westcott (Marbleized Slate) .....D  
 Fair Haven Marble & Marbleized Slate Co. (Marbleized Slate; Slate) ....B  
**VT.—Hydeville**  
 McDonough & O'Day (Marbleized Slate) .....D  
**VT.—Poultney**  
 Fleming Slate Co. (Marbleized Slate) .....C  
**VT.—Swanton**  
 Barney Marble Co. (Marble) B  
**WASH.—Spokane**  
 Washington Brick & Lime Mfg. Co. (Brick) .....A  
**WIS.—Milwaukee**  
 Matthews Bros. Mfg. Co., 61 4th (Wood) .....A  
 Wallaeger Mfg. Co., 686 N. Water (Wood) .....A  
**WIS.—Oshkosh**  
 Gould Mfg. Co. (Wood) ..A  
 McMillen Co., R. (Wood) A  
 Morgan Co. (Wood) ....AA



**MANTELS (Con.)**  
**Paine Lumber Co. (Wood)** ..... AAAAA  
**WIS.—Wausau**  
**Curtis & Yale Co. (Wood)** ..... AA

## MANTLES

**CONN.—Stamford**  
**Stamford Gas Stove Co.**  
**(Incandescent Gas)** ..... B  
**ILL.—Chicago**  
**Cosmopolitan Co., 41 State**  
**(Incandescent Gas)** ..... D  
**Engel & Co., 213 E. Ran-**  
**dolph (Gas)** ..... X  
**Liberty Mantle Mfg. Co.,**  
**108 Franklin (Incandes-**  
**cent Gas)** ..... C  
**Peerless Light Co., 146 5th**  
**(Incandescent Gas)** ..... C  
**Solar Incandescent Co., 73**  
**W. Kinzie (Incandescent**  
**Gas)** ..... D  
**Standard Gas Lamp Co.**  
**(Gas)** ..... C  
**IOWA.—Sioux City**  
**Whalebone Gas Mantle Co.**  
**(Incandescent Gas)** ..... G  
**MICH.—Detroit**  
**Michigan Gas Mantle Co.,**  
**1383 Jefferson (Incandescent**  
**Gas)** ..... D  
**MINN.—St. Paul**  
**Herz Mfg. Co., 29 E. 7th**  
**(Incandescent Gas)** ..... D  
**N. J.—Gloucester**  
**Welsbach Co. (Incadescent**  
**Gas)** ..... A  
**N. J.—Jersey City**  
**Wiederhold Light Co., (In-**  
**candescent Gas)** ..... D  
**N. Y.—Buffalo**  
**Buffalo Lighting Co., 15**  
**Niagara (Incandescent**  
**Gas)** ..... E  
**New York City**  
**Adams Incandescent Light**  
**Co., (Incandescent Gas)** ..... F  
**Amer. Incandescent Lamp**  
**Co., 55 Park Place (In-**  
**candescent Gas)** ..... O  
**Cremo Incandescent Light**  
**Co., 110 E. 129th (Incan-**  
**descent Gas)** ..... D  
**Deutsch, Chas., 538 E. 87th**  
**(Incandescent Gas; Plain**  
**Fancy Webblings)** ..... D  
**Mica Mfg. Co., 307 W.**  
**B'way (Incandescent Gas)** ..... C  
**Raritan Mantle Co., 7 Chat-**  
**ham Sq. (Incandescent**  
**Gas)** ..... E  
**Van Houten, E. J. S., 74**  
**Park Place (Incandes-**  
**cent Gas)** ..... B  
**OHIO.—Cleveland**  
**Fawcett Incandescent Man-**  
**tle Co., 399 Prospect (In-**  
**candescent Gas)** ..... X  
**Forest City Incandescent**  
**Light Co., 437 Woodland**  
**Av. (Incandescent Gas)** ..... E  
**PA.—Erie**  
**Erie Gas Mantle Mfg. Co.**  
**(Incandescent Gas)** ..... B  
**PA.—Pittsburg**  
**Duquesne Incan. Light Co.,**  
**107 Wood (Incandescent**  
**Gas)** ..... C  
**PA.—Vandergrift**  
**Breig, Geo. F. (Incandes-**  
**cent Gas)** ..... F  
**TENN.—Memphis**  
**Irby & Gilliland (Incandes-**  
**cent Gas)** ..... B

## MAPLE

See Lumber

## MAPS

**ILL.—Chicago**  
**Andrews Co., A. H., 300**  
**Wabash Av. .... AA**  
**Rand McNally & Co. (Inc.)**  
**AAAA**  
**Union School Furnishing**  
**Co., 211 E. Madison (Ge-**

**MAPS (Con.)**  
**ographical) ..... O**  
**MASS.—Boston**  
**Rand-Avery Supply Co. AA**  
**MASS.—Springfield**  
**Bradley Co., Milton (Dis-**  
**sected) ..... A**  
**New York City**  
**Bien & Co., Julius ..... D**  
**Bridgman, E. C. .... F**  
**Sanborn Map Co. (Ltd.) .. B**  
**Schedler, Herman (Relief)**  
**E**  
**OHIO.—Cincinnati**  
**Stobridge Lithographing Co.**  
**AA**  
**PA.—Philadelphia**  
**Noll & Co., E. P. .... D**  
**Smith, John L. .... B**

## MARASCHINO

See Cordials

## MARBLE

**ILL.—Chicago**  
**Art Marble Co., Flournoy &**  
**Rockwell (Artificial) ... B**  
**Bagley & Co., Frederick P.,**  
**18th N. S. Canal. .... X**  
**Henry Marble Co., 1626 Wa-**  
**bash Av. (Artificial) ... X**  
**Verd Antique Marble Co.,**  
**1118 Marquette Bldg.**  
**(Green) ..... B**  
**ILL.—Edwardsville**  
**Illinois Marble Co. (Elec-**  
**tric Work) ..... C**  
**IOWA.—Marshalltown**  
**Le Grand Quarry Co. .... A**  
**MD.—Baltimore**  
**Evans Marble Co., York &**  
**William ..... A**  
**MASS.—Westfield..**  
**Westfield Marble & Sand-**  
**stone Co. (Green; Serpen-**  
**tine) ..... D**  
**MASS.—Worcester**  
**Norcross-West Marble Co.,**  
**10 E. Worcester (Electric**  
**Work) ..... B**  
**MICH.—Detroit**  
**Mehling, Geo. F. (Artificial)**  
**O**  
**MO.—St. Louis**  
**Bradbury Marble Co., 1129**  
**S. 2nd (Georgia) .... D**  
**Carthage Marble & White**  
**Lime Co., Emille Bldg.**  
**(Georgia; Tennessee) ... A**  
**Nelson Mfg. Co., N. O.**  
**Plumbers' ..... AAA**  
**Seifert Plastic Relief Co.,**  
**Frank A., 2646 Lawton**  
**Av. (Artificial) ..... D**  
**New York City**  
**Artificial Marble Co., 413**  
**E. 91st (Artificial) ... F**  
**Fisher & Co., R. C., 97 E.**  
**Houston (Royal Irish;**  
**Green; Serpentine) ... AA**  
**Graf, Frank H., 322 7th Av.**  
**(for Construction Work)**  
**D**  
**Jackson & Co., C. D., 105th**  
**& E. R. (Carrara; Foreign**  
**Colored; Green; Serpen-**  
**tine) ..... A**  
**Klaber, Adolph ..... B**  
**Manhattan Marble Co., 282**  
**Locust Av. (Foreign**  
**Colored) ..... B**  
**Marine, Arlando, 24 E. 42nd**  
**D**  
**Mycenian Marble Co., 524-**  
**526 W. 34th (Artificial;**  
**Mycenian) ..... D**  
**Taber & Co., 24 Corlears. B**  
**Waverly Marble Co., 160**  
**5th Av. (Electric Work)**  
**B**

**OHIO.—Cincinnati**  
**Buckeye Marble & Freestone**  
**Co. (Plumbers) ..... D**  
**Great Western Marble Wks.**  
**Co. (Plumbers') ..... C**  
**Standard Marble Wks.**  
**706 W. Front (Plumbers')**  
**B**  
**OHIO.—Dayton**  
**Marblethic Co. (Artificial)**

**MARBLE (Con.)**  
**OHIO—Zanesville**  
 Townsend & Co., Wm. C. AA  
**PA.—Philadelphia**  
 Amer. Art Marble Co., 609  
 N. American (Artificial) B  
 Sharpless & Watts.....A  
 Stephens, Cooper & Co.,  
 Real Estate Trust Bldg.  
 (Artificial) .....D  
 Williamson & Co., Frank,  
 2202 Chestnut .....D  
**VT.—Proctor**  
 Vermont Marble Co. (Sawed;  
 Finished) .....AAAA  
**VT.—Rutland**  
 Columbian Marble Quarry-  
 ing Co.....A  
 Temple Bros.....B  
**WASH.—Spokane**  
 United States Marble Co.  
 (Black; Green; Serpen-  
 tine) .....X

## MARBLES

**New York City**  
 Bawo & Dotter, 26 Barclay  
 (Art) .....AA  
 Bing & Co., Ferd., 10 Wash.  
 Pl. (Art) .....  
 Borgfeldt & Co., Geo., 48  
 W. 4th (Art) .....AAAA  
 Lazarus, Rosenfeld & Leh-  
 mann, 62 Murray (Art) B  
 Levy & Co., L. W., 194  
 B'way (Art).....B  
 Straus & Sons, L., 42 War-  
 ren (Art) .....AAAA  
**OHIO—Akron**  
 American Marble & Toy  
 Mfg. Co. (Clay).....B  
 Standard Toy Mfg. Co.  
 (Playing) .....D  
**OHIO—Lima**  
 Albright & Lightcap (Toy)  
 F

## MARKERS

See also Machinery

**CONN.—New Britain**  
 Stanley Rule & Level Co.  
 (Clapboard) .....AAA  
**CONN.—Rockfall**  
 Smith, Otis A. (Clapboard)  
 A  
**GA.—Atlanta**  
 Pearl Laundry Marking Co.  
 (Laundry) .....X  
**ILL.—Chicago**  
 Barbee Wire & Iron Wks.  
 (Grave) .....B  
**MASS.—Boston**  
 McCarter Co., J. G. (Vamp)  
 B  
**MASS.—Greenfield**  
 Wiley & Russell Mfg. Co.  
 (Tire) .....AA  
**MASS.—Hopedale**  
 Draper Co. (Cut).....AAAA  
**MASS.—Springfield**  
 Smith Mfg. Co., R. H.  
 (Price; Sign).....C  
**N. J.—Newark**  
 Celluloid Co. (Whist)....B  
**N. Y.—Greenwich**  
 Eddy Plow Co., W. (Furrow-  
 ers) .....B  
 Grote & Co., F. (Whist) D  
**New York City**  
 Krieg & Co., J. K. (Lining)  
 B  
**N. Y.—Seneca Falls**  
 Littlejohn Granite Co. (Gra-  
 nite) .....D  
**PA.—Elizabethtown**  
 Buchs' Sons Co., A. (Corn)  
 A  
**PA.—Philadelphia**  
 Allen & Co., S. L. (Furrow-  
 ers) .....AA  
 Butterworth & Sons Co., H.  
 W. (Cut) .....A  
**R. I.—Providence**  
 Textile Finishing Mch. Co.,  
 17 Exch. Pl. (Cut).....AAAA

## MARKS

**CONN.—Wallingford**

**MARKS (Con.)**  
 Wallace & Sons Mfg. Co.,  
 R. (Metal; Book).....AAAA  
**ILL.—Chicago**  
 Burch & Co., F. S. (Animal)  
 D  
 Pratt Mfg. Co., Wm. E., 91  
 Lake (Stock) .....B  
**MASS.—Boston**  
 Robbins Mfg. Co., Jno. (Met-  
 tal; Book) .....E  
**N.H.—Mount Lebanon**  
 Dana, Chas. H. (Metallic  
 Ear) .....D  
**New York City**  
 Keller Printing Co., 722  
 B'way (Glove; Hatters'  
 Size) .....O  
 Wintjen, Jno. G. (Hat) E  
**N. Y.—Rochester**  
 Pulver Co., F. F. (Celluloid  
 Book) .....B

## MARLINE

See also Cordage

**MASS.—Ludlow**  
 Ludlow Mfg. Co. (Hemp;  
 Jute) .....AAAA  
**MASS.—New Bedford**  
 New Bedford Cordage Co. X  
**New York City**  
 Travers Bros. Co.....AA

## MARMALADES

See Jams; Jellies; Marmalades.

## MARQUEES

See Iron & Steel; Architectural.

**ILL.—Chicago**  
 Winslow Bros. Co., 368 Car-  
 roll Av. ....AA  
**MICH.—Detroit**  
 Vulcan Co. ....F  
**N. Y.—Brooklyn**  
 Hecla Iron Wks., N. 11th &  
 Berry .....AA  
**New York City**  
 Jackson Co., Wm. H., 29 E.  
 17th (Iron; Bronze)....A  
 Pitt Composite Iron Wks.,  
 Wm. E., 111 5th Av.  
 (Iron; Glass) .....D  
**OHIO—Cleveland**  
 Tyler Co., W. S.....AAAA  
**PA.—Pittsburg**  
 Phoenix Steel Construction  
 Co., Penn. Av. & 3d....D

## MAR- QUETERIES

**MASS.—Boston**  
 Davenport Co., Albert H.  
 AA

## MARTINGALES

See Harness

## MASHERS

**CONN.—Collinsville**  
 Hartigan, Wm. R. (Vegeta-  
 ble) .....H  
**CONN.—Danielson**  
 Parkhurst, L. D. (Vegeta-  
 ble) .....G  
**CONN.—Deep River**  
 Williams & Marvin Mfg. Co.  
 (Potato; Wooden) .....D  
**CONN.—Unionville**  
 Humphrey, H. W. (Potato)  
 D  
**ILL.—Chicago**  
 American Fdy. & Mch. Co.,  
 Monadnock Bldg. (Beet)  
 AA  
 Barbee Wire & Iron Wks.  
 (Potato) .....B  
**ILL.—Paxton**  
 Paxton Hdw. Mfg. Co. (Po-  
 tato; Wire) .....X  
**IND.—Indianapolis**  
 Tucker & Dorsey Mfg. Co.  
 (Potato; Wooden) ....A

**MASHERS (Con.)**

**MASS.—Lowell**  
Woods, Sherwood Co. (Potato Wire) .....E  
**MASS.—Worcester**  
National Mfg. Co. (Potato Wire) .....A  
**MICH.—Ludington**  
Handy Things Co. ....C  
**N. H.—Antrim**  
Goodell Co. (Vegetable) ..A  
**N. J.—Garwood**  
Beckley Co., A. J. (Ore) D  
**N. J.—Newark**  
Sommers' Son, Jno. (Vegetable) .....A  
**N. Y.—Rochester**  
Streeter & Co., N. K. (Potato) .....A  
**OHIO—Canton**  
Gibbs Mfg. Co. (Vegetable) A  
**Kohler & Co., F. E. (Vegetable)** .....B  
**OHIO—Columbus**  
Ohio Tool Co. (Potato) AA  
**OHIO—Hamilton**  
Meyers Mfg. Co., Fred. J. (Potato; Wire) .....B  
**OHIO—Piqua**  
Piqua Handle & Mfg. Co. (Potato; Wooden) ....A  
**OHIO—Ravenna**  
Williams, A. C. (Vegetable) A

**MASKS**

**ILL.—Chicago**  
Barbee Wire & Iron Wks. (Base Ball) .....B  
Chicago Sporting Goods Mfg. (Base Ball) .....B  
**MASS.—Worcester**  
Hamblen & Russell Mfg. Co. (Base Ball) .....B  
New York City  
Dessart Bros., 110 Chambers D

**OHIO—Akron**  
Faultless Rubber Mfg. Co. (Rubber) .....B  
**OHIO—Barberton**  
Pure Gum Specialty Co. (Rubber) .....C  
**OHIO—Cincinnati**  
Goldsmiths Sons, P. (Base Ball) .....D  
**OHIO—Findlay**  
Amer. Mask Mfg. Co. ....C  
**R. I.—Providence**  
Daval Rubber Co. (Rubber) AAA

**MASS**

**MASS.—Boston**  
Billings, Clapp & Co. (Blue) AA  
**MO.—St. Louis**  
Herf & Frerichs Chemical Co. (Blue) .....A  
Larkin & Scheffer Chem. Co. (Blue) .....AA  
Mallinckrodt Chem. Wks. (Blue) .....AAAA  
New York City  
McKesson & Robbins (Blue) AAAA  
N. Y. Quinine & Chem. Wks. (Ltd.) (Blue) ...A  
Pfizer & Co., Chas. (Blue) AAAA  
Schleffelin & Co., W. H. (Blue) .....AA  
**PA.—Philadelphia**  
Hance Bros. & White (Blue) AA  
Powers - Weightman - Rosengarton Co. (Blue) AAAA

**MASTS**

**FLA.—Pensacola**  
Thornton, H. H. ....F  
**GA.—Savannah**  
Southern Pine Co. of Georgia .....AAA  
**ILL.—Chicago**  
Cutter Co., Geo., Fulton & Union (Arm) .....C  
**MASS.—Gloucester**  
Andrews, H. N. ....F

**MASTS (Con.)**

**N. Y.—Ogdensburg**  
Spaulding St. Laurence Boat Co. ....C  
**N. Y.—Roslyn**  
Clapham, Thos. ....F

**MATCHERS**

See also Machinery

**CONN.—Norwich**  
Rogers & Co., C. B. AAAA  
**GA.—Atlanta**  
De Loach Mill Mfg. Co. B  
**MASS.—Boston**  
Woods Machine Co., S. A. A  
**MASS.—Oranges**  
Chase Turbine Mfg. Co. (Automatic) .....A  
**N. J.—Smithville**  
Smith Machine Co., H. B. A  
**N. Y.—Buffalo**  
Frank Machinery Co. ....C  
Holmes Mch. Co., E. & B. (Box Board) .....B  
New York City  
Amer. Wood Wkg Mach. Co. (Box Board) .....AAAA  
**N. Y.—Rochester**  
Morgan Machine Co. ....AA  
**N. C.—Winston-Salem**  
Salem Iron Wks. ....A  
**OHIO—Cincinnati**  
Cordesman, Meyer & Co. B  
Cordesman Machine Co. X  
Fay-Egan Co., J. A. (Box Board) .....AAAA  
**OHIO—Defiance**  
Defiance Machine Wks. ....A  
**OHIO—Hamilton**  
Bentel & Margendant Co. ....A  
**PA.—Philadelphia**  
Power & Co., L. ....A  
**VT.—Montpelier**  
Lane Mfg. Co. ....A  
**WIS.—Beloit**  
Berlin Machine Wks. AAAA

**MATCHES**

**CAL.—Madera**  
Pacific Match Co. ....D  
**CAL.—San Francisco**  
Leege & Haskins, 3 Front A  
Metropolitan Fuse & Match Co., 3 Front. ....B  
**CAL.—Steger**  
Metropolititan Match Co. B  
**ILL.—Chicago**  
Diamond Match Co., 504 Pulman Bldg. ....AAAA  
Ill. Match Mfg. Co., 225 Kinzie .....D  
**ILL.—Evergreen Park**  
Merkle-Wiley Broom Co. ....C  
**ILL.—Rockford**  
Graham Match Co. ....D  
**IND.—Crawfordsville**  
Indiana Match Co. ....A  
**MAINE—Portland**  
Portland Star Match Co. ....B  
**MD.—Baltimore**  
Diamond Match Co. (Br.) 19 S. Charles. ....AAAA  
**MICH.—Detroit**  
Diamond Match Co., 8th & River (Br.) ....AAAA  
Modern Match Co. (Ltd.) ..C  
**MICH.—Grand Haven**  
Ruby Match Co. ....D  
**MINN.—Duluth**  
Duluth Match Co. ....B  
**N. J.—Arondale**  
Amer. Match. Mfg. Co. ....D  
**N. J.—Camden**  
Ruby Match Co. ....D  
**N. J.—Clinton**  
Mutual Match Co. ....B  
**N. J.—Passaic**  
Continental Match Co. ....B  
**N. J.—Paterson**  
Federal Match Co. ....A  
New York City  
Delapenha & Co., R. U., 17 Jay .....C  
Diamond Match Co., 86 Hudson .....AAAA  
Huner, J. P., 40 Hudson. ....C  
Kalmowitz, I., 47 Ludlow D  
Rosenstein Co., C., 373 Washington .....D

**MATS (Con.)**  
 Strohmeyer Arpe Co., 33 Water .....A  
**N. Y.—Ogdensburg**  
 Adirondack Match Co....B  
**N. Y.—Dawago**  
 Diamond Match Co. AAAA  
**OHIO—Ashland**  
 Reliable Match Co.....A  
**OHIO—Barberton**  
 Diamond Match Co.(Fct'y.) AAAA  
**OHIO—Springfield**  
 Buckeye Match Co.....D  
**OHIO—Wadsworth**  
 Ohio Match Co.....AAA  
**OREGON—Portland**  
 Zan Bros.....B  
**PA.—Bellefonte**  
 Pennsylvania Match Co. AAA  
**PA.—Hanover**  
 Hanover Match Co.....B  
**PA.—Harrisburg**  
 Harrisburg Match Co.,...B  
**PA.—Philadelphia**  
 Champion Match Co., 217 Race .....D  
 Diamond Match Co. (Br.) AAAA  
 International Match Co., 25th & Wharton.....A  
 Welckel & Smith Spice Co., 129 N. Front.....A  
**PA.—Phoenixville**  
 Ahwaga Mfg. Co.....D  
**WASH.—Seattle**  
 Washington Match Co....B  
**WASH.—Tacoma**  
 Washington Match Co....B  
**WIS.—Green Bay**  
 Diamond Match Co. AAAA  
**WIS.—Milwaukee**  
 Wisconsin Match Co., 543 3d .....D  
**WIS.—Oshkosh**  
 Diamond Match Co. AAAA

## MATS

See also Rugs; Matting;  
 Rubber Goods

**CONN.—Hartford**  
 Hartford Woven Wire Mattress Co. (Wire)....X  
**CONN.—Meriden**  
 Manning, Bowman & Co. (Wire; Table).....AA  
**CONN.—Watertown**  
 Barlow Mfg. Co., H. P. (Sheepskin) .....G  
**ILL.—Chicago**  
 Abbott, W. W. (Picture) D  
 Barbee Wire & Iron Wks. (Wire) .....B  
 Mueller Bros. Art Mfg. Co. (Picture) .....B  
 Pratt Mfg. Co., Wm. E. (Wire) .....C  
 Smith Wire & Iron Wks., F. P., 100 Lake (Wire) AA  
**ILL.—Decatur**  
 United States Wire Mat Co. (Wire) .....D  
**MD.—Baltimore**  
 East India Mfg. Co., P. O. Box 505 (Cocoa).....D  
**MASS.—Andover**  
 Tyler Rubber Co. (Rubber) AA  
**MASS.—Boston**  
 Boston Belting Cob. (Rubber) .....AAAA  
 Clapp Rubber Co., E. H. (Rubber) .....A  
 Revere Rubber Co. (Rubber) AAAA  
**MASS.—Cambridgeport**  
 Boston Woven Hose & Rubber Co. (Rubber) ..AAAA  
**MASS.—Clinton**  
 Clinton Wire Cloth Co. (Wire; Steel) .....AAA  
**MASS.—Gardner**  
 Heywood Bros. & Wakefield Co. (Cocoa) .....AAAA  
**MASS.—Lowell**  
 Woods, Sherwood Co. (Wire; Table) .....E  
**MASS.—Worcester**  
 National Mfg. Co. (Wire;

**MATS (Con.)**  
 Table) .....A  
 Parker Wire Goods Co. (Wire; Steel) .....D  
 Wire Goods Co. (Wire) A  
**MICH.—Adrian...**  
 Page Woven Wire Fence Co. (Wire) .....A  
**MICH.—Detroit**  
 Barnum Wire & Iron Wks., E. T. (Wire).....B  
**MICH.—Milan**  
 Schmitt, Chas. (Wood Rolling) .....H  
**MICH.—Wyandotte**  
 Bishop & Co., J. H. (Wool) A  
**MINN.—St. Paul**  
 American Grass Twine Co. (Grass Door) .....AA  
**MO.—St. Louis**  
 Ludlow-Saylor Wire Co. (Wire; Steel) ....4...AA  
**N. H.—Exeter**  
 Rubber Step Mfg. Co. (Rubber) .....D  
**N. J.—Jersey City**  
 New Jersey Car Spring & Rubber Co. (Rubber; Rubber Coin; Rubber Table) .....AA  
 Voorhees Rubber Mfg. Co. (Rubber) .....A  
**N. J.—Sussex**  
 Sussex Mills (Bath).....C  
**N. J.—Trenton**  
 Crescent Belting & Packing Co. (Rubber) .....A  
 Empire Rubber Mfg. Co. (Rubber) .....AA  
 Home Rubber Co. (Rubber) AA  
 Trenton Rubber Mfg. Co. (Rubber) .....A  
**N. Y.—Brooklyn**  
 Bainbridges Sons, Chas. T., 2 Cumberland (Picture Frame) .....A  
 Eichman, Martin & Co., 16 Larimer (Street Car)....E  
 Planet Mills Mfg. Co., 335 Carroll (Cocoanut) ..AAA  
**N. Y.—Buffalo...**  
 Buffalo Wire Wks. Co. (Wire; Steel) .....A  
 Shepard & Co., Sidney (Asbestos) .....AAAA  
**N. Y.—Jamestown**  
 Chautauqua Towel Mills (Bath) .....D  
**New York City**  
 Colgan, J. B., 675 Hudson (Cork) .....C  
 Cordley & Hayes (Spittoon) A  
 Darragh & Small, 177 Water (Cocoanut) .....B  
 Empire Rubber Co. (Rubber) D  
 Estey Wire Wks. Co., 59 Fulton (Wire; Steel)...D  
 Goldberg, C. H. & E. S., 114 Reade (Flexible Wood) B  
 Goodyears' India Rubber Glove Mfg. Co., 503 B'way (Rubber) .....AAAA  
 Goodyear Rubber Co. (Rubber) .....AAAA  
 Gutta Percha & Rubber Mfg. Co., 126 Duane (Rubber) AAAA  
 Hartman Mfg. Co. (Wire) X  
 Heywood Bros. & Wakefield Co. (Rattan) .....AAAA  
 International Automobile & Vehicle Tire Co., 346 B'way (Rubber) .....B  
 Johns-Manville Co., H. W. (Asbestos) .....AAAA  
 New York Belting & Packing Co., 25 Park Pl. (Rubber) .....AAAA  
 Rubber Goods Mfg. Co., 253 B'way (Rubber) ..AAAA  
 Sjöberg & Co., J. P. (Wooden Street Car)....D  
 Toffler, A., 725 1st Av. (Street Car; Iron; Steel; Wooden; Flexible) ....X  
 Wild & Co., Joseph, 11 Thomas (Cocoanut) ....AAA  
**OHIO—Akron**  
 Goodrich Co., B. T. (Rub-

**MATS (Con.)**

ber) .....AAAA  
 Whitman & Barnes Mfg. Co.  
 (Rubber) .....AAAA  
**OHIO—Alliance**  
 Alliance Asbestos Mfg. Co.  
 (Asbestos Stove) .....B  
**OHIO—Barbeton**  
 Alden Rubber Co. (Rubber  
 Coin) .....X  
**OHIO—Cleveland**  
 Van Dorn Iron Wks. Co.  
 (Iron; Steel) .....AA  
**OHIO—Dayton**  
 Barney & Smith Car Co.  
 (Street Car) .....AAAA  
**PA.—Ellwood City**  
 Glen Mfg. Co. (Wire; Steel) C  
**PA.—Philadelphia**  
 Darby & Sons, Edward  
 (Wire) .....A  
 Delaware Rubber Co., 631  
 Market (Rubber) .....X  
 Hall & Carpenter, 518 Race  
 (Asbestos) .....AA  
 Margerison, W. H. & E. A.  
 Emerald & Sargeant  
 (Bath) .....B  
 National Leather Mat &  
 Belting Co., Real Estate  
 Bldg. (Leather, for Cars;  
 Schools; Homes; Eleva-  
 tors) .....B  
 Star & Crescent Mills' Co.  
 (Bath) .....A  
**PA.—Pittsburg**  
 Armstrong Cork Co. (Bath)  
 AAAAA  
 Central Expanded Metal Co.  
 (Expanded Metal) .....X  
 Keystone Steel Matting Co.  
 (Flexible Steel) .....X

**MATTING**

**MASS.—Boston**  
 Boston Belting Co. (Rubber)  
 AAA  
**MASS.—Cambridge**  
 Boston Woven Hose & Rub-  
 ber Co. (Rubber) .....AAAA  
**MASS.—Gardner**  
 Heywood Bros. & Wakefield  
 Co. (Straw) .....AAAA  
**N. H.—Exeter**  
 Rubber Step Mfg. Co. (Rub-  
 ber) .....D  
**N. J.—Jersey City**  
 New Jersey Car Spring &  
 Rubber Co. (Rubber) AA  
**N. J.—Paterson**  
 Lamond & Robertson Co.  
 (Napier) .....C  
**N. J.—Trenton**  
 Crescent Belting & Packing  
 Co. (Rubber) .....A  
 Empire Rubber Mfg. Co.  
 (Rubber) .....AA  
 Home Rubber Co. (Rubber)  
 AA  
 Trenton Rubber Mfg. Co.  
 (Rubber) .....A  
**New York City**  
 Amer. Grass Twine Co., 377  
 B'way (Grass) .....B  
 Bunnell & Co., J. H., 20  
 Park Pl. (Electric) ....B  
 Darragh & Small, 177 Wa-  
 ter (Cocoa) .....B  
 Goodyear's India Rubber  
 Glove Mfg. Co., 503 B'way  
 (Rubber) .....AAAA  
 Gutta Percha & Rubber Mfg.  
 Co. (Rubber) .....AAAA  
 International Automobile &  
 Vehicle Tire Co. (Rubber) B  
 Mitsin & Co., 445 Broome  
 (Straw) .....AAAA  
 New York Belting & Packing  
 Co. (Rubber) .....AA  
 New York Rubber Co., 84  
 Reade (Rubber) .....AA  
 Smith, Baker & Co., 85 Wall  
 (Straw; Cocoa) .....B  
 Wild & Co., Jos. (Cocoa)  
 AAA  
**OHIO—Akron**  
 Goodrich Co., B. F. (Rubber)  
 AAAAA  
**PA.—Philadelphia**  
 Delaware Rubber Co., 631  
 Market (Rubber) .....X

**MATTOCKS**

**CONN.—Collinsville**  
 Collins Co. ....AAAA  
**MICH.—Detroit**  
 Anderson & Sons, W. H.  
 (Asphalt) .....C  
**N. Y.—Elmira**  
 Cronk & Carrier Mfg. Co.  
 (Garden) .....B  
**New York City**  
 Amer. Axe & Tool Co., 258  
 B'way .....AAAA  
**OHIO—Cleveland**  
 Amer. Fork & Hoe Co.  
 (Garden) .....AAAA  
**OHIO—Findlay**  
 Findlay Axe & Tool Co. ...A  
**PA.—Eldorado**  
 Colclesser Bros. ....D  
**PA.—Philadelphia**  
 Contrators Supply Co., 118  
 S. 6th (Asphalt) .....D  
 Griffiths Co., Geo. ....AAAA  
 Plumb, Fayette R (Inc.)  
 AA  
**PA.—Pittsburg**  
 Iron City Tool Wks., 82d &  
 Smallman .....A  
 Jones & Laughlins Steel Co.  
 AAAAA  
 Klein-Logan Co., S. 18th &  
 Breed .....A  
 Oliver Iron & Steel Co.  
 AAAAA  
**W. VA.—Wheeling**  
 Warwood Tool Co. ....B

**MATTRESSES**

See Bedding; Beds; Furni-  
 ture.

**MAULS**

**CONN.—Collinsville**  
 Collins Co. (Railroad or  
 Spike; Ship or Top) AAAAA  
**CONN.—Hartford**  
 Billings & Spencer Co.  
 (Railroad or Spike; Ship  
 or Top; Woodchoppers') AA  
**CONN.—Middletown**  
 Wilcox, Crittenden & Co.  
 (Ship or Top) .....A  
**ILL.—Chicago**  
 Chicago Rawhide Mfg. Co.,  
 75 E. Ohio (Rawhide) A  
 Nicol & Co. (Steak) .....D  
 Vaughan & Bushnell Mfg.  
 Co., 875 Carroll Av. (Ship  
 or Top; Railroad) .....A  
**ILL.—Rockford**  
 Sovereign Co., C. E. (Han-  
 dle Post) .....C  
**ILL.—Sycamore**  
 Palten Co., F. C. (Post) ..A  
**IND.—Evansville**  
 Evansville Tool Wks (Rail-  
 road or Spike; Ship or  
 Top; Woodchoppers'; ..A  
**IND.—Frankfort**  
 Frankfort Handle Mfg. Co.  
 (Post; Spike) .....E  
**IND.—Indianapolis**  
 Atkins & Co., E. C. (Ship)  
 AAAAA  
 Tucker & Dorsey Mfg. Co.  
 (Steak; Wooden) .....A  
**IND.—South Bend**  
 Sandage Steel Skein Co.  
 (Post) .....X  
**MASS.—Boston**  
 Harvey, H. H., 608 Atlantic  
 Av. (Ship or Top; Cast  
 Steel; Floor; Railroad) D  
**MICH.—Detroit**  
 Anderson & Sons, W. H.  
 (Railroad or Spike) ...C  
 Detroit Steel Products Co.  
 (Ship Woodchoppers') ...B  
**MO.—St. Louis**  
 Kupferle, Jno. C. ....AA  
 Pleuger & Henger Mfg. Co.  
 A  
 Western Fdy & Sash Weight  
 Co., 2nd & Miller (Post) D  
**N. J.—Newark**  
 Atha Tool Co. (Railroad or  
 Spike; Ship or Top; Wood-

**MAULS (Con.)**  
 choppers' .....A  
**N. Y.—Buffalo**  
 White Co., L. & I. J., Perry  
 cor. Columbia (Ship or  
 Top) .....A  
**N. Y.—Cato**  
 Dutton & Co., E. L. (Post)  
 E  
**N. Y.—Gowanda**  
 Gowanda Agricultural Wks.  
 (Post) .....X  
**N. Y.—Horseheads**  
 Weiler Hdw. & Fdy. Co.  
 (Post) .....D  
**N. Y.—Little Falls**  
 Cheney Hammer Co., Henry  
 (Railroad) .....D  
**N. Y.—Manlius**  
 Cheney & Son, S. ....A  
**N. Y.—Medina**  
 Swett Iron Wks., A. L.  
 (Woodchoppers') .....A  
**OHIO—Ashtabula**  
 Barber Mfg. Co. (Post)....C  
**OHIO—Cincinnati**  
 Obermayer Co., S. (Hide  
 Faced) .....AA  
**OHIO—Fremont**  
 Lehr Agricultural Co.  
 (Woodchoppers') .....B  
**OHIO—Lancaster**  
 Eagle Machine Co. (Cast  
 Iron Post) .....A  
**OHIO—Ravenna**  
 Williams, A. C. ....C  
**PA.—Corry**  
 McInnes Steel Co. (Wood-  
 choppers') .....C  
**PA.—Ogontz**  
 Hammond & Son, C. (Rail-  
 road or Spike; Ship or  
 Top; Woodchoppers')...A  
**PA.—Philadelphia**  
 Pedrick & Ayer Co. (Rail-  
 road) .....A  
**PA.—Pittsburg**  
 Plumb (Inc.), Fayette R.  
 (Ship or Top; Railroad;  
 Woodchoppers') .....AA  
**PA.—Pittsburg**  
 Hubbard & Co., Murtland  
 Bldg. (Railroad or Spike)  
 AA  
**PA.—Pittsburg**  
 Iron City Tool Wks., 32nd  
 & Stallman (Railroad or  
 Spike; Ship or Top; Cast  
 Steel; Steel Faced; Wood-  
 choppers') .....A  
**PA.—Pittsburg**  
 Jones & Laughlins Steel Co.  
 (Ship or Top; Woodchop-  
 pers') .....AAAA  
**PA.—Pittsburg**  
 Klein-Logan Co., S. 13th  
 (Solid Cast Steel Ship or  
 Top; Woodchoppers')...A  
**PA.—Pittsburg**  
 Verona Tool Wks., Murtland  
 Bldg. (Ship or Top) ....A  
**S. C.—Charleston**  
 Woodstock Hardwood &  
 Spool Mfg. Co. (Boller-  
 makers') .....E

## MEAL

See also Corn-meal in  
 Appendix  
**ALA.—Florence**  
 Florence Milling Co. (Corn)  
 D  
**ALA.—Jacksonville**  
 Jacksonville Oil Mill Co.  
 (Cotton Seed) .....B  
**CONN.—Thompsonville**  
 Bushnell Press Co., G. H.  
 (Heaters; Oil Seed)...A  
**DEL.—Wilmington**  
 Lea Milling Co. (Brewers';  
 Corn) .....AAA  
**FLA.—Madison**  
 Florida Mfg. Co. (Cotton  
 Seed) .....AA  
**GA.—Atlanta**  
 Fulton Bag & Cotton Mills  
 (Bags) .....AAAA  
**GA.—Blackshear**  
 Bradley & Co., A. .  
 (Cotton Seed) .....AA  
**GA.—Brunswick**  
 Downing Co. (Corn)....AA  
**GA.—Columbus**  
 Mutual Cotton Oil Co.  
 (Cotton Seed) ....AAAA  
**GA.—Elberton**  
 Elberton Oil Mill (Cotton

**MEAL (Con.)**  
 Seed) .....A  
**ILL.—Brighton**  
 Hilliard, Geo. W. (Corn).B  
**ILL.—Chicago**  
 Burch Co., F. S. (Blood)..D  
**ILL.—Chicago**  
 Norton & Co. (Corn)....AA  
**ILL.—Paris**  
 Kidder & Co., F. L.  
 (Brewers') .....B  
**IND.—Grand View**  
 Cadick Milling Co. (Corn).B  
**IND.—Lafayette**  
 Lafayette Hominy Mill Co.  
 (Corn) .....B  
**IOWA—Le Mars**  
 Plymouth Milling Co. (Corn)  
 B  
**KANS.—Atchison**  
 Blair Milling Co. (Brewers')  
 A  
**KANS.—Forsha**  
 Forsha Milling Co. (Corn).B  
**KANS.—Fort Scott**  
 Goodlander Milling Co.  
 (Corn) .....B  
**KANS.—Lawrence**  
 Bowersock, J. D. (Corn).AA  
**KANS.—McPherson**  
 Pearl Milling Co. (Corn)..D  
**KANS.—Wellington**  
 Hunter Milling Co. (Corn)  
 A  
**KANS.—White Cloud**  
 White Cloud Mill & Eleva-  
 tor Co. (Corn) .....F  
**KY.—Lexington**  
 Lexington Roller Mill Co.  
 (Corn) .....A  
**MD.—Baltimore**  
 Gambrill Mfg. Co., C. A.  
 (Corn) .....AAA  
**MD.—Pocomoke City**  
 Costen Co., W. A. (Al-  
 mond) .....F  
**MD.—Port Deposit**  
 McClenahan Granite Co.  
 (Granite) .....A  
**MASS.—Salem**  
 Salem Chemical & Supply  
 Co. (Almond) .....E  
**MICH.—Battle Creek**  
 Sanitas Nut Food Co. (Ltd.)  
 (Almond) .....B  
**MICH.—Detroit**  
 Michigan Carbon Wks.  
 (Bone) .....AAA  
**MISS.—Port Gibson**  
 Port Gibson Oil Wks.  
 (Cotton Seed) .....A  
**MO.—Marionville**  
 Marionville Roller Mill Co.  
 (Corn) .....B  
**MO.—Oak Grove**  
 Oak Grove Mill Co.  
 (Corn) .....E  
**NEBR.—Crete**  
 Crete Mills (Corn).....B  
**NEBR.—North Platte**  
 Iddings, C. F. (Corn)....B  
**NEBR.—Schuyler**  
 Weels-Abbott-Meinan Co.  
 (Brewers') .....AA  
**N. J.—Milhurst**  
 Snyder & Son, C. H.  
 (Corn) .....C  
**N. J.—Newark**  
 Peckham Mfg. Co., 244  
 South (for Dry Barrel Pol-  
 ishing) .....E  
**N. Y.—Buffalo**  
 Mann Bros. Co. (Linseed  
 Cake) .....A  
**N. Y.—Cuba**  
 Phelps & Sibley Co. (Corn)  
 B  
**New York City**  
 Amer. Cotton Oil Co. (Cot-  
 ton Seed) .....AAAA  
**New York City**  
 Baker & Bro., H. J. (Bone)  
 AA  
**New York City**  
 Donovan, Jno. J., 203  
 B'way (Granite).....D  
**New York City**  
 Napier Chemical Co., 644 E.  
 14th (Almond) .....C  
**N. Y.—Troy**  
 Boutwell Milling & Grain  
 Co. of Troy (Corn)....A  
**N. C.—Asheville**  
 Asheville Milling Co. (Corn)  
 B

**MEAL (Con.)**

**OHIO—Dayton**  
Durst Milling Co. (Corn)..A  
**OHIO—Mansfield**  
Mansfield Linseed Oil Co.  
(Linseed Cake) .....D  
**OHIO—Prospect**  
National Mill Co. (Corn)..D  
**PA.—Butler**  
Klingler & Co., H. J.  
(Corn) .....A  
**PA.—Emporium**  
Emporium Milling Co.  
(Corn) .....C  
**PA.—Fertility**  
Groff, I. B. (Corn).....F  
**PA.—Irwin**  
Irwin Flour Mills Co.  
(Corn) .....B  
**PA.—Philadelphia**  
Vail Bros., 2000 N. 10th  
(Almond) .....C  
**PA.—Roaring Spring**  
Bare Milling Co. (Corn)..C  
**PA.—York**  
York Chemical Wks. (Bone)  
A  
**R. I.—Providence**  
Union Oil Co. (Cotton  
Seed) .....AAA  
**TENN.—Memphis**  
Valley Oil Mill (Cotton  
Seed) .....A  
**TEXAS—Belton**  
Belton Oil Co. (Cotton  
Seed) .....D  
**TEXAS—Denton**  
Alliance Milling Co. (Inc.)  
(Corn) .....A  
**TEXAS—Taylor**  
Taylor Cotton Oil Wks.  
(Cotton Seed) .....B  
**UTAH—Salt Lake City**  
Inter-Mountain Milling Co.  
(Corn) .....D  
**VA.—Alexandria**  
Roberts, Walter (Corn)..B  
**VA.—Aylett**  
Sizer, Augustus (Corn)...E

**MEASURES**

See also Enamelled Iron-  
ware; Tinware; Wooden-  
ware.

**CONN.—Meriden**  
Bradley & Hubbard Mfg. Co.  
(Tape) .....AAAA  
**CONN.—New Britain**  
Stanley Rule & Level Co.  
(Linear; Rule; Yard)  
AAAA  
**CONN.—Pine Meadow**  
Chapin-Stephens Co. (Rule;  
Yard; Board) .....A  
**CONN.—Unionville**  
Union Nut & Bolt Co.  
(Rule; Yard) .....A  
Upson Nut Co. (Rule; Yard)  
AAAA  
**CONN.—Waterbury**  
Waterbury Brass Co. (Tape)  
AAAA  
**ILL.—Chicago**  
Barbee Wire & Iron Co.  
(Iron) .....B  
Dietzgen Co., Eugene, 181  
Monroe (Tape) .....A  
Photo-Jewelry Mfg. Co., 464  
Carroll Av. (Tape) ...B  
Redlich Mfg. Co. (Wooden)  
B  
Wilson & Co., F. C., 239  
Lake (Accurate) .....B  
**ILL.—Quincy**  
Quincy Stamping Co. (Gal-  
vanized Steel Dry) ....C  
**MD.—Hagerstown**  
Reisner Lens Measure Co.,  
W. H. (Lens) .....F  
**MASS.—Athol**  
Athol Machine Co. (Rule;  
Yard) .....B  
Starrett Co., L. S. (Rule;  
Yard; Tape) .....A  
**MASS.—Boston**  
Strater & Sons, Herman  
(Ale; Beer) .....A  
**MASS.—Fitchburg**  
Sawyer Tool Mfg. Co.  
(Rule; Yard) .....C

**MEASURES (Con.)**

Simonds Mfg. Co. (Tape)..  
AAA  
**MICH.—Battle Creek**  
Nichols & Shepard Co.  
(Grain; Automatic) ....  
AAAA  
**MICH.—Bellaire**  
Richardl & Bechtold  
(Wooden Vinegar, etc.)..B  
**MICH.—Grand Rapids**  
Michigan Barrel Co.  
(Wooden) .....A  
**MICH.—Saginaw**  
Lufkin Rule Co. (Rule;  
Yard; Tape) .....AA  
**MO.—St. Louis**  
St. Louis Stamping Co.  
(Iron) .....AAAA  
**N. H.—Wilton**  
Cragin, D. (Dry) .....E  
**N. J.—Newark**  
Celluloid Co. (Tape) ....B  
Smith, S. O., 24 Prospect  
(Rule; Yard; Horse) ...A  
Sommer's Son, John  
(Vinegar) .....A  
**N. Y.—Brooklyn**  
Eddy & Co., Geo. M. (Ad-  
vertising; Tape; Tailors')  
A  
Sweeney Mfg. Co., W. A.  
(Ale; Beer; Copper; Tin)  
A  
Wesel Mfg. Co., F. (Type)  
X  
**N. Y.—Buffalo**  
Aldrich Mfg. Co. (Copper)  
A  
Shepard & Co., Sidney  
(Liquid) .....AAAA  
**N. Y.—Jamestown**  
American Mfg. Concern  
(Rule; Yard) .....A  
**New York City**  
Central Stamping Co. (Ale;  
Beer; Cooper) .....AA  
Chatillon & Sons, John  
(Liquid) .....A  
Cordley & Hayes (Fibre;  
Vinegar) .....A  
Estes & Sons, E. B., 45 John  
(Rule; Yard) .....AA  
Faber, Eberhard, 545 Pearl  
(Rule; Yard) .....AAA  
Goldbacher, Earnest  
(Tailors') .....C  
Keuffel & Esser Co.  
(Tape; Linear) .....AA  
Kohlbusch, Herman .....B  
Lalance & Grosjean Mfg. Co.  
(Ale; Beer; Iron) ..AAAA  
Reilley Bros. (Iron) .....D  
Smith & Hemenway Co.  
(Tape) .....D  
Stoutenborough, X. (Ale;  
Beer; Copper; Oil; Gaso-  
line) .....D  
Surpluss, Dunn & Co., 55  
Warren (Rule; Yard)...C  
Walbridge & Co., J. H., 337  
B'way (Tape) .....B  
**N. Y.—Poughkeepsie**  
Roe & Sons, Justus (Steel  
Tape) .....D  
**N. Y.—Rochester**  
Rochester Stamping Co.  
(Galvanized) .....AAA  
**N. Y.—Seneca Falls**  
Westcott-Jewell Co. (Adver-  
tising; Cork; Type; Rule;  
Yard) .....D  
**N. Y.—Troy**  
Gurley, W. & L. E.  
(Tape) .....A  
Troy Stamping Wks.  
(Tin) .....AAAA  
**OHIO—Cleveland**  
Upson Nut Co. (Linear)...  
AAAA  
**OHIO—Salem**  
Clark Co., W. J. (Iron;  
Steel) .....A  
**PA.—Philadelphia**  
Clad & Sons, Valentine  
(Ice Cream) .....A  
Mills & Bro., Thos.  
(Cream; Gauges) .....A  
**R. I.—Providence**  
Brown & Sharpe Mfg. Co.  
(Rule; Yard) .....AAAA

**MEASURES (Con.)**

VA.—Richmond  
 Richmond Cedar Wks. (Dry  
 Wooden) .....AAAA

**MEAT: MINCE**

ARK.—Ft. Smith  
 Oklahoma Vinegar Co. ...C  
 CAL.—Los Angeles  
 Shaw Pres. Co. ....B  
 CAL.—San Francisco  
 Pacific Coast Syrup Co., 713  
 Sansome .....B  
 CONN.—Southington  
 Pratt & Owen Co. ....D  
 DEL.—Delaware City  
 Pancoast, C. W. ....D  
 ILL.—Chicago  
 Armour Co., 205 La Salle ..  
 AAAAA

Maine Packing Co., 1707 S.  
 Clark .....D  
 Morris & Co., Nelson ....  
 AAAAA  
 Reid, Murdoch & Co., Lake  
 & Market .....AAAA  
 Rice Co., Erwin A., 1707  
 S. Clark .....B  
 IND.—Brookville  
 Brookville Mfg. Co. ....B  
 IND.—Indianapolis  
 Bessire & Co., 118 S. Del.  
 (Mince; Packers of Bulk;  
 Canned) .....D  
 Columbia Conserve Co., So.  
 Meridian & Belt Ry....A  
 IOWA—Glenwood  
 New Glenwood Can. Co...C  
 KY.—Louisville  
 Goodwin Pres. Co., 407 9th  
 A

MAINE—Rockland  
 Thorndike & Hix .....C  
 MD.—Baltimore  
 Van Lill Pres. Co., 108  
 Concord .....B

MICH.—Detroit  
 Williams Bros. Co., Gr.  
 River Av. ....A  
 MICH.—Grand Rapids  
 Fallas, Edwin .....C  
 United States Packing Co.A  
 MICH.—Saginaw  
 United States Horse Radish  
 Co. ....D  
 MICH.—West Bay City  
 Bentel Co., R. ....A  
 MINN.—St. Paul  
 Gedney Pickling Co., M. A.,  
 59 S. Wabash Av....A  
 MO.—St. Louis  
 Bayle, Geo. A., 118 S. 2nd  
 B

N. J.—Bordentown  
 Brakeley, Asher .....B  
 N. J.—Camden  
 Cmapbell Pres. Co., Jos..AA  
 N. J.—Crosswicks  
 Brick E. ....B  
 N. Y.—Buffalo  
 La Clair, Jos., 128 Grey ..D  
 Heinz Co., H. J., 106 Main  
 AAAAA

N. Y.—Glens Falls  
 Harrison, Everett .....C  
 N. Y.—Kenwood  
 Oneida Community (Ltd.)  
 AAA

N. Y.—Liverpool  
 Woerner Pres. & Pack. Co.  
 AA

New York City  
 Ams, Max., 372 Greenwich  
 AA

Oneida Community ...AAA  
 N. Y.—Pt. Byron  
 Gutchess, H. C. ....C

N. Y.—Rochester  
 Curtice Bros. Co. ....AA  
 N. Y.—Syracuse  
 Merrell-Soule Co. ....AA

OHIO—Cincinnati  
 Spencer & Son, W. M., 324  
 E. 2nd .....D

OHIO—Cleveland  
 Haserot Canneries Co., 89  
 Woodland .....B

OHIO—Creston  
 Lutz & Schramm Co....AA  
 OHIO—Urbana  
 Marvin Co., W. H. ....A

**MEAT: MINCE (Con.)**

OHIO—Wooster  
 Wooster Pres. Co. ....B  
 PA.—Allegheny  
 Lutz & Schramm .....AA  
 PA.—Lebanon  
 Henry, L. W. ....D  
 PA.—Philadelphia  
 Amer. Pres. Co., 946  
 Beach .....A  
 Atmore & Son, 110 Tasker.A  
 Brennenman, W. H., 813 N.  
 11th .....D  
 Ritter Conserve Co., Phillip  
 J., 2156 E. Dauphin.....A  
 W. VA.—Wheeling  
 Exley, Watkins & Co. ....B  
 Flaccus Bros .....A  
 McMechen & Son Co., G. K.  
 A

**MEAT PACKERS**

CAL.—Los Angeles  
 Maier Packing Co., 149 N.  
 Spring .....AA

CAL.—Sacramento  
 Mohr & Yoerk Packing Co.  
 (Pork) .....A

Swanston & Son, C.....C  
 CAL.—San Francisco  
 Dairymens Union of Calif.,  
 124 Davis .....A

Roth, Blum & Co. ....A  
 Schweitzer & Co., J., 416  
 Clay .....AAA

Silverberg, Simon, 320 San-  
 some .....A  
 South San Fran. Packing &  
 Provision Co. ....A

Western Meat Co. ....AAAA  
 COLO.—Colorado Springs  
 Colorado Packing & Provis-  
 ion Co. (Br. Denver)..AA

COLO.—Denver  
 Colo. Packing & Provision  
 Co. ....AA

Standard Meat & Live Stock  
 Co. ....B

COLO.—Pueblo  
 Nuckolls Packing Co. ....A

CONN.—Allington  
 Merwin Provision Co.  
 (Pork) .....A

CONN.—Bridgeport  
 McElroy Bros. Co. ....B

Plumb & Winton Co. ....A  
 CONN.—New Britain  
 Andrews, Swift & Co....  
 AAAAA

Merwin Provision Co. ....A  
 Sperry & Barnes .....AAAA

DEL.—Wilmington  
 Hart & Bro. ....AA

ILL.—Alton  
 Alton Packing Co. ....A

Kirsch Co. ....B  
 Luer Bros. Packing & Ice  
 Co. ....B

ILL.—Aurora  
 Sinclair & Co., T. M. (Ltd.)  
 (Beef; Pork) .....AAAA

ILL.—Bloomington  
 Cont. Packing Co.....AA

ILL.—Chicago  
 Armour Packing Co..AAAA  
 Anglo-Amer. Prov. Co., 60  
 B. of T. Bldg. ....A

Arnold Bros., 145 W. Ran-  
 dolph .....AA  
 Boyd, Lanham & Co., 169  
 Jackson Boul. ....AA

Cont. Packing Co. ....AA  
 Cudahy-Packing Co. ....AAAA

Fairbanks Canning Co.  
 (Canned Meats) .....AAAA  
 German-Amer. Provision Co.  
 A

Guth, Henry, 3911 S.  
 Halsted .....B

Libby, McNeill & Libby  
 (Canned Meats) .....AAAA

Lipton Co., T. J., Union  
 Stock Yards (Canned  
 Meats) .....AAA

Mayer & Bro., O. F., 285  
 Sedgwick .....A

Miller & Hart .....A  
 Morrell & Co., John ....AAA

Nelson & Co., Morris.AAAA  
 Morton, Gregson Co., 77  
 Jackson Boul. ....A

Nebraska City Packing Co.,



**MEAT PACKERS (Con.)**

84 Van Buren ..... B  
 Omaha Packing Co. .... AAA  
 Pfaelzer & Co., L., 4177  
 Emerald Av. .... A  
 Schwarzschild & Sulzberger  
 Co., Exch. Bldg. .... AAAA  
 Swift & Co., Union Stock  
 Yards ..... AAAA  
**ILL.—Decatur**  
 Danzeisen & Sons, G. J. .... B  
**ILL.—Galena**  
 Vogel, John (Pork) ..... B  
**ILL.—Peoria**  
 Godel & Sons, E. .... B  
 Peoria Packing Co. (Beef;  
 Pork) ..... AA  
 Sinclair & Co., T. M. .... AAAA  
**ILL.—Quincy**  
 Bloomer & Michael Co. ... A  
 Hammond Packing Co. ....  
 AAAA  
**ILL.—Rochelle**  
 Cooper, Peter. .... B  
**ILL.—Rock Island**  
 Gilmore, James S. .... A  
 Hammond Packing Co. ....  
 AAAA  
**ILL.—Springfield**  
 Franz Bros. Packing Co. ... A  
**ILL.—Teutopolis**  
 Uptmor & Son, C. .... B  
**IND.—Evansville**  
 Akin & Son, W. M. .... A  
 Evansville Packing Co. ... B  
**IND.—Ferdinand**  
 Beekman, J. G. .... B  
**IND.—Fort Wayne**  
 Bash. Packing Co. .... B  
 Eckert Packing Co. .... B  
**IND.—Hammond**  
 Hammond Co., G. H. ....  
 AAAA  
 Hammond Packing Co. ....  
 AAAA  
**IND.—Indianapolis**  
 Coffin-Fletcher Packing Co. ...  
 AA  
 Gardner, C. J. (Beef) .... A  
 Kingan & Co. .... AAAA  
 Moore & Co. .... AA  
**IND.—Lafayette**  
 Dreyfus Packing & Provision  
 Co. .... B  
**IND.—Logansport**  
 Routh, W. C. .... B  
**IND.—Vincennes**  
 Bierhaus & Sons, E. .... AA  
**IOWA—Burlington**  
 Boeck, George ..... B  
**IOWA—Cedar Springs**  
 Sinclair & Co., T. M. .... AAAA  
**IOWA—Clinton**  
 Iowa Packing Co. .... B  
**IOWA—Davenport**  
 Kohrs, Henry ..... A  
 Tri-City Packing Co. .... A  
**IOWA—Des Moines**  
 Hammond Packing Co. ....  
 AAAA  
 Morrell & Co., John .... AAA  
 Zoecklers' Sons, J. L. .... B  
**IOWA—Dubuque**  
 Hammond Packing Co. ....  
 AAAA  
**IOWA—Marshalltown**  
 Brittain & Co. .... A  
**IOWA—Mason City**  
 Decker & Son ..... B  
**IOWA—Muscatine**  
 Blanchard Packing Co. .... B  
**IOWA—Ottumwa**  
 Morrell & Co., John (Ltd.)  
 .... AAA  
**KANS.—Kansas City**  
 Fowler Packing Co. .... A  
**KANS.—Leavenworth**  
 Leavenworth Packing Co. ... B  
 Thudum Packing Co. .... B  
**KANS.—Topeka**  
 Wolff Packing Co. .... A  
**KANS.—Wichita**  
 Dold Packing Co., J. ....  
 AAAA  
**KY.—Louisville**  
 Bornwasser, L. P., 937  
 Gelger ..... B  
 Louisville Packing Co., 1318  
 Storey ..... AAA  
 Pfaffinger & Co., 922 E.  
 Market ..... B  
 Vissman & Co., C. F., 417  
 Bickel Av. .... A

**MEAT PACKERS (Con.)**

**MAINE—Portland**  
 Cummings Bros. .... B  
**MD.—Baltimore**  
 Harney Co., 500 North. .... A  
 Hohman & Sons, C., 2026  
 E. Monument ..... B  
 Jones & Co., B. M., 2802  
 Pa. Av. .... A  
 Miller & Miller, 12 N. Paca  
 B  
 Schludderburg & Son, W. ... B  
 Shafer & Co., J. C., 520 W.  
 Lexington ..... A  
**MASS.—Boston**  
 Boston Packing & Provision  
 Co., 77 N. Market .... AA  
 Clinton Market Beef Co., 116  
 S. Market ..... AAAA  
 Dyer & Co., L. M., 45 N.  
 Market ..... B  
 Hollis, N. E., 51 N. Mar-  
 ket ..... A  
 Learned, S. S., 50 F. H.  
 Market ..... AA  
 Mentzer & Co., W. C., 3 N.  
 Market ..... B  
 N. E. Beef Co., 103 Clinton  
 B  
 North Packing & Provision  
 Co., 33 N. Market. .... AAAA  
 Potter & Wrightington, 66  
 Commerce ..... AA  
 Squire & Co., J. P., 39 N.  
 Market (Hams; Bacon) ..  
 AAAA  
 Wheeler Co., T. H., 101  
 Clinton ..... B  
 Woodbridge Meat Co., 6  
 Quincy Row ..... A  
**MASS.—Holyoke**  
 Springfield Provision Co. ...  
 AAAA  
**MASS.—Peabody**  
 Thomas Co., J. B. .... A  
**MASS.—Springfield**  
 Handy, H. L. .... B  
 Hunt & Co., A. C. .... B  
**MASS.—Worcester**  
 White, Pevey & Dexter Co.  
 .... AA  
**MICH.—Detroit**  
 Hammond, Standish & Co. ...  
 AA  
 Parker-Webb Co., 87 Rose ..  
 AA  
**MICH.—Flint**  
 Putnam & Co., R. .... A  
**MICH.—Ishpeming**  
 Ishpeming Beef Co. .... B  
**MICH.—Saginaw**  
 Saginaw Beef Co. .... A  
**MINN.—Austin**  
 Hornel & Co., G. A. .... A  
**MINN.—Duluth**  
 Omaha Packing Co. .... AAA  
**MINN.—St. Paul**  
 McMillan, J. T. .... A  
**MO.—Kansas City**  
 Armour Packing Co.  
 (Canned) ..... AAAA  
 Cudahy Packing Co. .... AAAA  
 Dold Packing Co., Jacob ...  
 AAAA  
 Schwarzschild & Sulzberger  
 .... AAAA  
 Swift & Co. .... AAAA  
**MO.—La Belle**  
 La Belle Packing & Provis-  
 ion Co. .... B  
**MO.—St. Joseph**  
 Krug Packing Co., H. ... AA  
**MO.—St. Louis**  
 Cox & Gordon, 1019 S. 3rd  
 AA  
 Getty's & Son Prov. Co.,  
 113 N. Main ..... B  
 Grant, W. D., 3830 Garfield  
 AA  
 Hell, C. P., 3857 Chouteau  
 B  
 Krey Packing Co., 21st &  
 Bremen Av. .... A  
 Murphy, J., 2315 Morgan. A  
 St. Louis Dressed Beef &  
 Prov. Co., 701 N. 3rd. AA  
 Wisamath & Son, C., 1113 N.  
 12th ..... B  
**MO.—St. Joseph**  
 Hammond Co., G. H. .... AAAA  
**NEBR.—Lincoln**  
 Lincoln Packing Co. .... A

**MEAT PACKERS (Con.)****NEBR.—Nebraska City**

Morton-Gregson Co. (Pork) A

**NEBR.—South Omaha**

Armour &amp; Co. ....AAAA

Cudahy Packing Co. ....AAAA

Hammond Packing Co. ....AAAA

Omaha Packing Co. ....AAAA

Swift &amp; Co. ....AAAA

**N. J.—Jersey City**

Bender Co., Wm. ....A

**N. J.—Newark**

Bailey &amp; Co., C. M., 101

S. Orange Av. (Cured

Meats) .....B

**N. J.—Passaic**

Muhs Co., H. ....AA

**N. J.—Paterson**

Muhs Co., H. ....AA

**N. J.—Phillipsburg**

Shiner, J. R. (Smoked

Meats) .....B

**N. Y.—Albany**

Holland Bros. ....B

**N. Y.—Amsterdam**

Carpenter, W. N. (Pork) ..B

**N. Y.—Buffalo**

Danahy Packing Co., Met-

calf &amp; Clinton .....A

Dold Packing Co., 745

William .....AAAA

Kamman Bros., 759 Seneca

B

Klinch, C., 101 E. Market

AA

Sahlem, Joseph, Howard &amp;

Detroit .....A

Weppners' Sons, A., Louis-

iana &amp; Elk .....B

Weppner's Provision Co.,

597 Perry .....B

Western Beef Co., 72

River .....A

**N. Y.—Elmira**

Elmira Beef Co. ....AAAA

**N. Y.—Hamburg**

Hamburg Canning Co. ....A

**N. Y.—Newburgh**

Heyer Co., A. L. ....B

New York City

Ans, Max., 372 Greenwich

(Lamb's Tongues; Pres.

Meats) .....AA

Beardsley's Sons, J. W.,

476 Greenwich .....A

Ferris &amp; Co., F. A., 264

Mott (Hams; Bacon) ..AA

Fairbanks Canning Co., 46

10th Av. (Canned Meats)

AAAA

German-Amer. Prov. Co.,

342 Washington .....A

Halsted &amp; Co. Produce

Exchange .....AA

Hammond Co., G. H., 52

10th Av. ....AAAA

Heyer Packing Co., A. L.,

318 E. 39th .....B

Kingan Provision Co., 20

Manhattan Mkt. ....AAAA

North Packing &amp; Provision

Co. Produce Exchange

(Pork) .....AAAA

Onelda Community, 413

B'way (Canned) .....AA

Robe &amp; Bro., Produce Exch.

AAA

Schwarzchild &amp; Sulzberger

Co. ....AAAA

**N. Y.—Rochester**

Curtice Bros. Co. (Potted

Meats) .....AA

**N. Y.—Syracuse**

Hammond Co., G. H. ....AAAA

Kingan Provision Co. ....AAAA

N. Y.—Utica

Lee, A. ....B

**OHIO—Cincinnati**

Cincinnati Abattoir Co.

(Canned) .....AA

Hoffman, John, Baymiller

&amp; Central .....B

Hoffman &amp; Sons, John, 2162

Colerain Av. ....B

Maescher &amp; Co., 1754 Cen-

tral Av. ....A

Morrison &amp; Co., Thos., Bank

&amp; Winchell Av. ....AA

Rawsons' Sons, Jos. ....AAAA

Roth Packing Co., J. C.,

1010 Gest .....AA

**MEAT PACKERS (Con.)**

Sander Packing Co., A.,

1022 Gest (Hams) .....A

Schroth Packing Co., J. &amp;

F., Cormany Av. &amp;

Township .....AA

Vogel &amp; Son, Jacob, 2804

Colerain Av. ....A

Zehler Provision Co., Geo.,

1705 Logan .....A

**OHIO—Cleveland**

Cleveland Provision Co., 8

Boliver .....AAA

Ohio Provision Co., Clark

Av., at C. C. C. &amp; St. L.

R. R. ....A

People's Provision Co., Gor-

don Av., opp. Stock

Yards .....B

**OHIO—Dayton**

Burkhardt Packing Co. ....B

Focke's Sons Co., W. ....A

Jacobs &amp; Co., N. ....B

**OHIO—Newark**

Metz &amp; Bro., Chas. ....B

**OHIO—Sandusky**

Bear &amp; Ruth Bros. ....B

**OHIO—Wooster**

Wooster Preserving Co. ....B

**OREGON—Baker City**

Geddes &amp; Pollman .....B

**OREGON—Portland**

Omaha Packing Co. ....AAA

Sinclair &amp; Co., T. M. ....AAA

Union Meat Co. ....AA

**PA.—Allegheny City**

Zoller &amp; Co., W. ....A

**PA.—Allentown**

Arbogast &amp; Bastian .....B

**PA.—Blairville**

Brown &amp; Bro., M. E. ....B

**PA.—Bridgeport**

March Packing Co., A. H.

(Pork) .....A

**PA.—Chester**

Ruckley, J. J. ....B

**PA.—Harriaburg**

Brelsford Packing Co. ....A

Dold Packing Co., Jacob...

AAAA

**PA.—Lehighton**

Obert, J. (Est.) .....B

**PA.—Mt. Carmel**

Weissinger, Jr., &amp; Bro., L.

W. ....B

**PA.—Philadelphia**

Alburger &amp; Co., J. T., S.

2nd &amp; Snyder Av. ....A

Fellin &amp; Bro., J. J., 4142

Germantown Av. (Pork) ..B

Michener &amp; Co., J. H., 956

N. Front .....AA

Penn. Packing &amp; Prov. Co.,

N. 30th &amp; Race .....A

Warthman &amp; Co., 705

Callowhill .....A

**PA.—Pittsburg**

Dunlevy &amp; Bros., 615

Liberty Av. ....A

Fried &amp; Reinman, 16 Dia-

mond Mkt. ....B

Myers &amp; Co., E. H., 248

Va. Av. ....AAA

Rea &amp; Co., 612 2nd Av. ....AA

Stevenson &amp; Co., J., 637

Liberty Av. ....A

**PA.—Pottsville**

Seltzer Packing Co. (Beef;

Pork) .....A

Ulmer Packing Co., J. ....A

**PA.—Sandy Run**

Millhopper Packing Co. ....AA

**PA.—Scranton**

Scranton Packing Co. ....A

Stowers Park Packing &amp;

Provision Co. (Pork) ...A

**R. I.—Providence**

Kimball &amp; Colwell Co. ....B

Mason &amp; Sons, I. B. ....AA

**R. I.—Woonsocket**

Woonsocket Beef &amp; Provis-

ion Co. ....AAAA

**TENN.—Knoxville**

East Tenn. Packing Co. ...A

**TENN.—Morristown**

Nance &amp; Co., F. T. (Pork)

B

**TENN.—Nashville**

Nashville Packing Co. ....AA

**TENN.—Paris**

Paris Packing Co. ....A

**TEXAS—Dallas**

Doran, F. H. ....B

**MEAT PACKERS (Con.)**  
Hahn Packing Co., Max... B  
**TEXAS—Ft. Worth**  
Ft. Worth Packing & Provision Co. (Pork) .... AA  
**TEXAS—Houston**  
Houston Packing Co. .... B  
**TEXAS—McKinney**  
Shaln Packing Co. (Beef; Pork) ..... B  
**TEXAS—Sherman**  
Sherman Packing Co. ... B  
**TEXAS—Waco**  
Brazos Packing Co. .... B  
**VA.—Richmond**  
Kingan & Co. .... AAAA  
**VA.—Rosslyn**  
Rosslyn Packing Co. (Pork) ..... B  
**WASH.—Tacoma**  
Pacific Meat Co. .... A  
**W. VA.—Wheeling**  
McMechen & Son Co., G. K. A  
Schenck & Sons Co., F... AA  
**WIS.—Eau Claire**  
Drummond Bros. .... B  
**WIS.—Jefferson**  
Stoppenbach's Sons, Chas.. A  
**WIS.—Milwaukee**  
Bodden Packing Co., Muskego Av. & N. Canal... A  
Frank & Son Packing Co., L. A  
Gross Bros. Co., F. C., Muskego Av. & Canal .... B  
Layton Co. .... AA  
Plankinton Packing Co.. AA

## MEATS

For Canned Meats see Canned Goods

**COLO.—Denver**  
Kreiner, F. (Pickled) .... D  
**D. C.—Washington**  
Briggs, P., 16 Center Mkt. E  
Columbia Packing Co., 2713 Brightwood Av. (Sund.).. E  
Nash, W. F., 500 Center Mkt. (Smoked) ..... B  
Ruppert, J. H., 23 Riggs Mkt. (Smoked) ..... B  
Schaper, A. (Smoked) .... F  
Schroth, A. T. (Smoked).. D  
**ILL.—Chicago**  
Armour & Co. (Deviled; Potted) ..... AAAA  
Cudahy Packing Co. (Deviled; Potted) ..... AAAA  
German-Amer. Provision Co. (Deviled; Potted) ..... A  
Libby, McNeill & Libby (Deviled; Potted; Canned; Lamb's Tongues)... AAAA  
Nelson & Co., Morris (Deviled; Potted; Canned; Lamb's Tongues)... AAAA  
**MASS.—Boston**  
North Packing & Provision Co. (Dressed) ..... AAAA  
Potter & Wrightington (Deviled) ..... AA  
Underwood Co., Wm. (Deviled) ..... A  
**N. J.—Newark**  
Schlehofer, Jacob (Pickled) ..... E

## MEDALLIONS

See Jewelry

**MASS.—Springfield** .. . . .  
Taber-Frang Art Co. (Photograph) ..... AA  
**N. J.—Newark**  
Reynolds & Zahn (Robe).. B  
**N. Y.—Brooklyn**  
Parkes Machine Co., 200 Graham Av. (Embroidered) ..... D  
**OHIO—Cincinnati**  
Reuhl Moulding Mfg. Co. A  
**R. I.—Providence**  
Pollard & Co., A. .... E  
Wightman & Hough Co.. A  
**WIS.—Milwaukee**  
Schwab Stamp & Seal Co. X

## MEDALS

See Jewelry

## MEDIUMS

**MD.—Baltimore**  
Bennett Pottery Co., Edwin (Filtering) ..... A  
**N. J.—Newark**  
Murphy Varnish Co. (Artists) ..... AAAA  
**N. Y.—New York City**  
Devoe, F. W. & C. T. Raynolds Co. (Artists, China Decorators) ..... AAAA

## MEGAPHONES

**MASS.—Boston**  
Merriman Bros. .... F  
**MASS.—Westfield**  
Crane Bros. (Linonold) AAA  
**N. Y.—New York City**  
Bunnell & Co., J. H., 20 Park Pl. .... B

## MELTERS

**N. Y.—New York City**  
American Gas Fixtures Co., 23 John (Babbitt Metal) A  
**N. Y.—Rochester**  
Werner, John (Cream) .. D  
**PA.—Allegheny**  
Pittsburg Clay Pot Co. (Glass) ..... AA

## MELTONS

See Woolen Goods

## MENDERS

**MASS.—Boston**  
Eyelet Tool Co. (Steel Tape) X  
**MASS.—Cambridge**  
Boston Woven Hose & Rubber Co. (Rubber Hose) AAAA  
**MASS.—Worcester**  
Hamblin & Russell Mfg. Co. (Wire Hose) ..... B  
**N. J.—Newark**  
Sommer's Son John (Hose) A  
**OHIO—Canton**  
Kohler & Co., F. E. (Hose) B  
**PA.—Bradford**  
Hudson & Co., Chas. (Hose) D  
**PA.—Philadelphia**  
Stortz & Son, Jno., 210 Vine (Hose) ..... E

## MENTHOL

**MICH.—Detroit**  
Parke, Davis & Co... AAAA  
**MO.—St. Louis**  
Mallinckrodt Chemical Wrks. .... AAAA  
**N. Y.—New York City**  
Schleffelin & Co., W. H. AA  
Wetmore Co., S. H. .... D  
Wyeth & Bro., J. .... AAAA

## MERCURY

**N. J.—Secaucus**  
Eagle Chemical Co. (Redistilled) ..... D  
**PA.—Easton**  
Baker & Adamson Chemical Co. .... A  
**PA.—Philadelphia**  
Hagstoz Co., L. B., 709 Sansome ..... F

## MERRY-GO-ROUNDS

See Carousells; Galleries.

## METAL

See also Metals; for Expanded Metal see also Fire-proofing.

**METAL (Con.)**

**CAL.—San Francisco**  
 Finn Metal Wks., John  
 (Babbitt) .....C  
 Garrett & Co., W. T., 140  
 Fremont (Babbitt) ....AA  
 Great Western Smelting &  
 Refining Co., 217 1st  
 (Babbitt) .....E  
 O'Brien, Michael, 142 First  
 (Babbitt) .....E  
 Pacific Metal Wks., 139  
 First (Babbitt) .....B  
 Pickthall & Co., M., 105  
 Fremont (Babbitt) ....H  
 Selby Smelting & Lead Co.,  
 416 Montgomery (Babbitt)  
 AAA

**COLO.—Denver**  
 Bogue Lead Co., 1810 Blake  
 (Babbitt) .....D

**CONN.—Ansonia**  
 Ansonia Brass & Copper Co.  
 (Tobin Bronze) ....AAAA

**CONN.—Bridgeport**  
 Bridgeport Deoxidized  
 Bronze Metal Co. (Babbitt,  
 Ingot; Type) .....C  
 Rowell & Co., W. G.  
 (Babbitt) .....F

**CONN.—Hartford**  
 Blake & Son, T. J. (Babbitt)  
 E

**CONN.—New Haven**  
 Graham & Co., Jas., 293  
 Wooster (Babbitt) ....E  
 Magnus Metal Co., 248 Cedar  
 (Anti Friction) .....A

**CONN.—Waterbury**  
 Plume & Atwood Mfg. Co.  
 (Jewelers) .....AAA  
 Waterbury Brass Co. (Cart-  
 ridge) .....AAAA

**ILL.—Aurora**  
 Aurora Metal Co. (Babbitt)  
 F

**ILL.—Cairo**  
 Reed, Jos. B. (Babbitt) ..B

**ILL.—Chicago**  
 Besly & Co., Chas. H. (Bab-  
 bitt) .....AAA  
 Blatchford & Co., E. W., 70  
 N. Clinton (Babbitt) ..AA  
 Channon Co., H. (Babbitt) A  
 Edna Smelting & Refining  
 Co., Monadnock Blk. (Bab-  
 bitt; Porteous Graphite) B  
 Gould & Gould, 84 Market  
 (Babbitt) .....F  
 Great Western Smelting &  
 Refining Co., 173 W. Kin-  
 zie (Babbitt) .....A

**ILL.—Granite**  
 Illinois Smelting & Refining  
 Wks. (Babbitt) .....A  
 Kramer & Son, H., 401 So.  
 Canal (Babbitt) .....E  
 Lammert & Mann, 157 So.  
 Jeff. (Anti Friction; Bab-  
 bitt) .....E

**ILL.—New Orleans**  
 Magnolia Metal Co., Fisher  
 Bldg. (Babbitt) .....A  
 National Lead Co., 1510  
 State (Babbitt) ..AAAA  
 Railroad Supply Co., Old  
 Colony Bldg. (Babbitt) ..A  
 Raymond Lead Co., 54 W.  
 Lake (Babbitt) ....AAAA  
 Ryan & Co., J. J., 68 W.  
 Monroe (Babbitt) .....C

**ILL.—Granite**  
 Illinois Metal Co. (Babbitt)  
 D

**LA.—New Orleans**  
 New Orleans Roofing &  
 Metal Wks., 926 Lafayette  
 (Babbitt) .....B

**MAINE.—Portland**  
 Babbitt, Chas. E. (Babbitt)  
 F

**MD.—Baltimore**  
 Aumen & Garrett, 102 South  
 (Babbitt) .....D  
 Codd Co., E. J., 708 S. Caro-  
 line (Babbitt) .....A  
 Schultz & Co., A., 1016 E.  
 Balt. (Babbitt; Type) ..G

**MASS.—Boston**  
 Blaney & Co., W. D., 6  
 Northampton (Babbitt) G  
 Butler & Co., Saml., 549  
 Atlantic Av. (Babbitt) C  
 Mowry & Phillips, 197 High  
 (Babbitt; Journal Lining)  
 D

Priest, Page & Co., 143

**METAL (Con.)**

Franklin (Babbitt) ...A  
 Rogers, C. E., 34 Beach  
 (Babbitt) .....G  
 Star Refining Co., 170 Sum-  
 mer (Babbitt) .....B  
 Walworth Mfg. Co., 136  
 Federal (Babbitt) AAAA

**MASS.—Clinton**  
 Clinton Wire Cloth Co.  
 (Perforated) .....AAA

**MASS.—Fitchburg**  
 Hardy & Son Co., Wm. A.,  
 (Babbitt) .....B

**MASS.—Taunton**  
 Reed & Barton Corporation  
 (White) .....AAA

**MASS.—Worcester**  
 Kindred & Taylor (Babbitt)  
 F

**MICH.—Detroit**  
 Bostwick, James, 372 Abbott  
 (Babbitt) .....F

**MICH.—Grand Rapids**  
 Duro Metal Co., ft. Ran-  
 dolph (Babbitt) .....D

**MICH.—Kalamazoo**  
 Muzzy-Lyon Co., 56 Wood-  
 ward Av. (Babbitt) ....F

**MICH.—St. Louis**  
 National Fulton Brass Mfg.  
 Co. (Babbitt) .....AA  
 Wing & Co., J. T., 19 Wood-  
 ward (Babbitt) .....D

**MICH.—Grand Rapids**  
 Hayden & Co., J. M., 58  
 Pearl (Babbitt) .....D

**MICH.—Kalamazoo**  
 New Era Mfg. Co. (Babbitt)  
 D

**MO.—St. Louis**  
 Hertz Metal Co., Theo.,  
 10th & Poepping (Electro-  
 type; Linotype; Babbitt)  
 D

**MO.—St. Louis**  
 Hoyt Metal Co., 4153 Clay-  
 ton Av. (Babbitt; Type) A

**MO.—St. Louis**  
 Leschen & Sons Rope Co., A.  
 (Babbitt) .....AAA

**MO.—St. Louis**  
 Markle Lead Wks., Realto  
 Bldg. (Babbitt) .....B

**MO.—St. Louis**  
 More-Jones Brass & Metal  
 Co., 3144 N. Bway. (Bab-  
 bitt) .....A

**MO.—St. Louis**  
 National Lead Co. (Babbitt)  
 AAAA

**MO.—St. Louis**  
 Spring Supply Co., H. C., 715  
 N. 2nd (Babbitt; Graph-  
 ite) .....F

**MO.—St. Louis**  
 Zelnicker Supply Co., Walter  
 A., 408 N. 4th (Babbitt) O

**N. J.—Arlington**  
 Hoyt Metal Co. (Babbitt)  
 AA

**N. J.—Belleville**  
 Eastwood Wire Mfg. Co.  
 (Anti-Friction; Babbitt) A

**N. J.—Camden**  
 Fuller & Co., A. J. (Bab-  
 bitt) .....E

**N. J.—Jersey City**  
 Brady Brass Co., 204 10th  
 (Babbitt) .....B

**N. J.—Jersey City**  
 Magnus Metal Co., 364 9th  
 (Babbitt) .....AA

**N. J.—Jersey City**  
 Williams & Son, E. A., 105  
 Plymouth (Babbitt; Bottle  
 Leaf; Gun; Ingot; Needle;  
 Umbrella Tip; Type; Bol-  
 ster; Rubber Mould) AAA

**N. Y.—Brooklyn**  
 Lissberger, Marks & Son, 375  
 Driggs Av. (Babbitt) ..B

**N. Y.—Buffalo**  
 Buffalo Metal Goods Co.  
 (Ornamental; Embossed) O

**N. Y.—Buffalo**  
 Hayman & Co., M., 38 Perry  
 (Babbitt) .....A

**N. Y.—Buffalo**  
 Squier Mfg. Co., Geo. L.  
 (Anti-Friction; Babbitt;  
 Electrotype, etc.) ....AAA

**N. Y.—Buffalo**  
 New York City  
 Amer. Gas Furnace Co., 23  
 John (Babbitt) .....A

**N. Y.—Buffalo**  
 Amer. Metal Co., 52 Bway.  
 (Babbitt) .....AAA

**N. Y.—Buffalo**  
 Baker, John W. (Babbitt) D  
 Columbia Smelting & Refin-  
 ing Wks., 307 Water  
 (Babbitt) .....AA

**N. Y.—Buffalo**  
 Fairbanks Co., 136 Elm  
 (Babbitt) .....AAAA

**N. Y.—Buffalo**  
 Hungerford Brass & Copper  
 Co., U. T., 497 Pearl (To-  
 bin Bronze) .....A

**N. Y.—Buffalo**  
 Kahn Bros., 525 E. 19th  
 (Babbitt) .....AA  
 Magnolia Metal Co., 511 W.

**METAL (Con.)**

13th (Babbitt; Journal) A  
 Nassau Smelting & Refining Wks., 29th & 11th Av. (Babbitt) .....AA  
 National Metal Co., 129 Liberty (Babbitt) .....A  
 Pittsburgh White Metal Co., 160 Leroy (Babbitt) ...D  
 Wildes, M. L., 246 Water (Babbitt) .....D  
 N. Y.—Rochester  
 Clum & Co., P. A., 18 Jay (Babbitt) .....C  
 Nunn Brass Wks., 17 Wentworth (Babbitt) .....F  
 Rochester Lead Wks., 380 Exchange (Babbitt) ....B  
 N. Y.—Syracuse  
 Empire Metal Co. (Babbitt) A  
 N. Y.—Tonawanda  
 Gillie Engine & Machine Co. (Babbitt) .....C  
**OHIO—Cincinnati**  
 Amer. Valve & Meter Co. (Babbitt; Graphite) ....C  
 McDonald & Sons Co., Jas., 654 Main (Babbitt) .....B  
 Morris & Co., E. K., 315 W. 2nd (Babbitt) .....B  
 Powell Co., Wm., Spring Grove Av. (Anti-Friction; Babbitt) .....AAA  
 Van Duzen Co., E. W., 428 E. 2nd (Anti-Friction; Babbitt) .....C  
**OHIO—Cleveland**  
 Metal Sales Co., 15 S. Water (Babbitt) .....G  
**OHIO—Lorain**  
 Lorain Foundry Co. (Babbitt) .....A  
**OHIO—Mansfield**  
 Ohio Brass Co. (Babbitt) B  
**OHIO—Springfield**  
 Springfield Brass Co. (Babbitt) .....E  
**OHIO—Youngstown**  
 Falcon Bronze Co. (Babbitt) D  
**OREGON—Portland**  
 Arthur & Co., J. M. (Babbitt) .....B  
 Pacific Metal Wks. (Babbitt) .....B  
 Simonds Mfg. Co. (Babbitt) AA  
**PA.—Allegheny**  
 Damascus Bronze Co. (Babbitt) .....A  
**PA.—Chester**  
 Crown Smelting Co. (Ingot; Journal Lining) .....A  
**PA.—Easton**  
 Baker & Adamson Chem. Co. (Babbitt) .....A  
**PA.—Philadelphia**  
 Ajax Metal Co., 48 Richmond (Babbitt) .....AA  
 Atlas Smelting & Refining Co., 1008 Germantown Av. (Babbitt) .....E  
 Delaware Metal Refinery, 18th & Wash. Av. (Babbitt) .....A  
 Fullerton, Frank S., 438 E. Girard Av. (Babbitt) ...A  
 Hagstoz Co., T. B., 709 Sansom (Babbitt) .....F  
 Hand & Co., E. L., 616 Market (Babbitt) .....C  
 Hooks Smelting Co., Broad & Hamilton (Babbitt) ...A  
 King Smelting Wks., Jno., 1330 S. 10th (Babbitt) D  
 Lewis & Bros., Jno. T., 231 So. Front (Babbitt)AAAA  
 McHatton Smelting Co., 1500 Wash. Av. (Babbitt) ..E  
 Merchant & Co. (Linotype) AA  
 North American Smelting Co., 9th & Thompson (Babbitt) .....AA  
 Paxson Co., J. W. (Pattern) .....AA  
 Pennsylvania Smelting & Refining Co., 901 Filbert (Babbitt) .....F  
 Phillips & Sons Co., F. R., Penn Bldg. (Babbitt) ..D  
 Phosphor Bronze Smelting Co., 2202 Wash. Av. (Bab-

**METAL (Con.)**

bitt) .....B  
 Reeves & Son, Paul S., 1415 Catherine (Babbitt) ..B  
 Shimer & Co., H. M., 19th & Wash. Av. (Babbitt) F  
 Taylor & Co., N. & G., Third & Chestnut (Babbitt; Type) .....AAAA  
 U. S. Smelting Wks., Spring Garden St. (Babbitt) ..B  
 White & Bro., 1506 E. Montg. Av. (Babbitt) ..B  
 Woodfall Bros., 1005 Fairmount Av. (Babbitt) ..B  
**PA.—Pittsburg**  
 Bailey-Farrell Mfg. Co., 619 Smithfield (Babbitt) AA  
 Best Mfg. Co., 25th & A. V. Railway (Babbitt) ....A  
 Cadman Mfg. Co., A. W., 2814 Smallman (Babbitt) D  
 Epping Carpenter Co., 41st & A. V. Ry. (Babbitt) .A  
 Fox Copper & Bronze Mfg. Co., 2624 Smallman (Babbitt) .....F  
 Hyde Bros. & Co., Lewis Block (Babbitt) .....B  
 Lawrenceville Bronze Co., 3046 Penn Av. (Babbitt) D  
 Mansfield Mfg. Co., 61 1st Av. (Babbitt) .....B  
 Phoenix Fdry. Co., 28th & A. V. Ry. (Babbitt) ....D  
 Pittsburg Brass Mfg. Co., 107 Wood (Babbitt) ....D  
 Pittsburg White Metal Co., 1739 Liberty Av. (Babbitt) B  
**S. C.—Charleston**  
 Bailey-Libby Co. (Babbitt) B  
**TENN.—Chattanooga**  
 Frictionless Metal Co. (Anti Friction) .....C  
**TENN.—Memphis**  
 Lee Bros. (Babbitt) .....A  
**VA.—Richmond**  
 Smith-Courtney Co. (Babbitt) .....D  
**WASH.—Seattle**  
 Finn Metal Wks., John (Babbitt) .....D  
 Puget Sound Metal Wks. (Babbitt) .....G

**METAL-LOPHONES**

**PA.—Philadelphia**  
 Schoenhut & Co., A., 2215 Adams .....A

**METALS**

See also Metal

**CAL.—San Francisco**  
 California Perforating Screen Co., Howard & Fremont (Perforated) ..D  
 Quick, John W., 221 1st (Perforated) .....B  
**CONN.—Torrington**  
 Union Hardw. Co. ....A  
**CONN.—Waterbury**  
 Benedict & Burnham Mfg. Co. (Platers) .....AAAA  
 Novelty Mfg. Co. (Perforated; Embossed) .....A  
**ILL.—Chicago**  
 Aitchison Perforated Metal Co., Robt., 303 Dearborn (Perforated) .....B  
 Allis-Chalmers Co., Home Ins. Bldg. (Perforated) AAAA  
 Harrington & King Perforating Co., 224 N. Union (Perforated) .....A  
 Johnston & Chapman Co., 42 Michigan (Perforated) .D  
 Northwest Expanded Metal Co. (Expanded) .....B  
**MO.—St. Louis**  
 St. Louis Expanded Metal Fire Proofing Co. (Expanded) .....B  
 Seibel-Snessdorf Copper & Iron Mfg. Co. (Perforated) A  
**N. J.—Garwood**  
 Beckley Co., A. J. (Per-

**METALS (Con.)**

forated) .....D  
**N. J.—Riverside**  
 Riverside Metal Co.  
 (Platers') .....A  
**New York City**  
 Clinton Wire Cloth Co., 76  
 Beekman (Perforated) .....AAA  
**Manhattan Perforated Metal**  
 Co., 237 Centre (Perforated) .....F  
**Mundt & Sons, Charles, 88**  
 Walker (Perforated) ..B  
**Stimpson & Son, Edwin B.,**  
 31 Spruce (Perforated) A  
**N. Y.—Rochester**  
 Erdle & Schenck cor. Mill &  
 Factory (Perforated) ..B  
**OHIO—Cincinnati**  
 Littleford Bros., 453 E.  
 Pearl (Perforated) ....D  
**PA.—Carbondale**  
 Carbondale Machine Co.  
 (Perforated) .....AA  
**Hendrick Mfg. Co. (Ltd.)**  
 (Perforated) .....AA  
**PA.—Philadelphia**  
 Merritt & Co., 1024 Ridge  
 Av. (Perforated) .....E  
**PA.—Pittsburg**  
 Central Expanded Metal Co.  
 (Expanded) .....A  
 Duquesne Co., (Chas. C.  
 Morrow Prop.) (Decorated  
 sheet) .....C  
**Pittsburg White Metal Co.,**  
 1739 Liberty Av. (Electro-  
 type; Linotype; Monotype;  
 Stereotype) .....B  
**R. I.—Pawtucket**  
 Fuller & Son, Geo. M.  
 (Platers') .....A  
**R. I.—Providence**  
 Linton & Co., W. H.  
 (Platers') .....F

**METERS**

See also Wattmeters; etc..

**CAL.—San Francisco**  
 San Francisco Tool Wks.  
 (Water) .....F  
**CONN.—Bridgeport**  
 Sprague Co., H. H. (Gas) D  
**CONN.—Manchester**  
 Norton Elec. Instrument Co.,  
 Chas. (Ampere; Volt) ..E  
**CONN.—New Haven**  
 New Haven Novelty Machine  
 Co. (Gas, Prepayment  
 Mechanism) .....B  
**CONN.—Waterbury**  
 Bristol Co. (Ampere; Volt;  
 Recording Watt) .....D  
**Standard Electric Time Co.**  
 (Ampere; Volt) .....E  
**ILL.—Chicago**  
 Jewell Elec. Instrument Co.,  
 358 Dearborn (Ampere;  
 Volt) .....E  
**Western Elec. Co., 259 So.**  
 Clinton (Ampere; Volt) .....AAAA  
**ILL.—Springfield**  
 Sangamon Elec. Co. (Water) B  
**IND.—Fort Wayne**  
 Ft. Wayne Elec. Wks. (Am-  
 pere; Volt; Primary; Re-  
 cording; Ampere-Hour;  
 Lamp-Hour) .....AA  
**IND.—Lafayette**  
 Duncan Electric Mfg. Co.  
 (Electric) .....B  
**IND.—Richmond**  
 Henly Bicycle Wks. (Nat-  
 ural Gas) .....A  
**MD.—Baltimore**  
 Maryland Meter Co., 229  
 North (Ampere) .....X  
**MASS.—Boston**  
 Berger & Sons, C. L., 37  
 Williams (Current) ....A  
 Hersey Mfg. Co., 314 W.  
 2d S. B. (Water; Gas  
 Naptha; Oil) .....AA  
**Knott Apparatus Co., L. E.**  
 (Ampere; Volt) .....E  
**Tufts Meter Co., Nathaniel,**  
 8 Medford (Experimental;  
 Proves'; Test; Repay-  
 ment: Station Gas) ..AA

**METERS (Con.)**

**MASS.—Great Barrington**  
 Stanley Instrument Co.  
 (Electric) .....AA  
**MASS.—Peabody**  
 American Iron Electricity  
 Meter Co. (Electric) ...D  
**MASS.—Pittsfield**  
 Stanley Elec. Mfg. Co., (Am-  
 pere; Volt) .....AA  
**MASS.—Springfield**  
 Eldridge Elect. Mfg. Co.  
 (Ampere; Volt) .....F  
**MASS.—Worcester**  
 Union Water Meter Co.  
 (Water) .....B  
**MICH.—Detroit**  
 Buhl Stamping Co. (Gas) A  
 Byram & Co., 435 Guoin  
 (Blast) .....D  
 Detroit Meter Co., 206 W.  
 Larned (Gas; Electric) B  
**MO.—St. Louis**  
 Wagner Elec. Mfg. Co., 2015  
 Locust (Ampere; Volt) A  
**N. H.—Lebanon**  
 Kendrick & Davis (Ampere;  
 Volt) .....A  
**N. H.—Fenacook**  
 Whitney Electrical Instru-  
 ment Co. (Dynamo; Am-  
 pere; Volt) .....D  
**N. J.—Newark**  
 Hanson & Van Winkle Co.  
 (Ampere; Volt) .....AA  
**Weston Electrical Instru-**  
 ment Co. (Dynamo; Am-  
 pere; Volt) .....A  
**N. Y.—Albany**  
 McDonald & Co., D. (Pre-  
 payment Gas) .....A  
**N. Y.—Brooklyn**  
 Schaeffer & Budenberg, 10  
 Division (Dynamo; Water)  
 A  
 Thomson Meter Co., 79  
 Washington (Water) ...A  
 Universal Gas Meter Co., 192  
 24th (Gas) .....E  
**N. Y.—Buffalo**  
 Buffalo Meter Co., 290 Ter-  
 race (Oil; Water) ....D  
**N. Y.—Lockport**  
 Amer. District Steam Co.  
 (Steam) .....AAA  
**New York City**  
 Amer. Meter Co., 561 W.  
 47th (Gas) .....A  
 Automatic Meter Co., 115  
 Bway. (Gas) .....X  
 Empire Elec. Instrument  
 Co., 656 Hudson (Ampere;  
 Volt) .....D  
 General Incandescent Arc  
 Light Co., 572 1st Av.  
 (Ampere; Volt) .....A  
 Gilbert & Barker Mfg. Co.  
 (Water) .....A  
 Griffin & Co., J. J., 52 Dey  
 (Gas) .....AA  
 International Steam Pump  
 Co., 120 Liberty (Gas; Oil)  
 .....AAAA  
 Jones & Son, J., 64 Cort-  
 landt (Ampere; Volt) ..D  
 Keuffel & Esser Co., 127  
 Fulton (Water Current) A  
 National Meter Co., 86  
 Chambers (Oil; Water;  
 Gas; Experimental; Water  
 & Gas Station; Test) ..A  
 Neptune Meter Co., 253  
 Bway (Water) .....A  
 Pignolet, Louis M. (Ampere;  
 Volt) .....D  
 Standard Meter & Mfg. Co.  
 (Gas) .....H  
 Worthington, Henry R., See  
 Interl. Steam Pump Co.,  
 114 Liberty (Water;  
 Naphta; Oil) .....X  
**Zucker & Levett & Loeb Co.**  
 (Ampere; Recording Volt)  
 A  
**N. Y.—Schenectady**  
 General Electrical Co. (Elec-  
 tric Ampere; Volt; Re-  
 cording Watt) .....AAAA  
**N. Y.—Syracuse**  
 Syracuse Electric Instrument  
 Co. (Ampere; Volt) ....X  
**N. Y.—Troy**  
 Gurley, W. & L. E. (Alter-  
 nating Current) .....AA

**METERS (Con.)**

**OHIO**—Cincinnati  
Amer. Valve & Meter Co.  
(Water) .....C  
**OHIO**—Cleveland  
Cleveland Gas Meter Co., 42  
Glendale Av. (Gas) ...E  
Elwell-Parker Electric Co.,  
1066 Hamilton (Dynamo) A  
**PA.**—Erie  
Metric Metal Wks. (Br.  
Am. Meter Co., N. Y.  
City) (Fuel Gas; Gas) .A  
**PA.**—Philadelphia  
Harris Bros. & Co., 12th &  
Brown (Gas) .....F  
Helme & McIlhenny, 1839  
Cherry (Experimental;  
Provers' Gas) .....AA  
Keystone Elect. Instrument  
Co., 9th & Montgomery  
(Ampere; Volt) .....B  
Paxson Co., J. W. (Blast)  
AA  
Queen & Co. (Inc.) 1010  
Chestnut (Dynamo; Am-  
pere; Volt) .....AA  
Wirt Elect. Co. (Volt) ...D  
**PA.**—Pittsburg  
Chaplin-Fulton Mfg. Co., 28  
Penn Av. (Fuel Gas) ...A  
Equitable Meter Co. (Dry) B  
Pittsburg Meter Co. (Tin;  
Westinghouse Gas; Pro-  
portional Gas; Water) AA  
Pittsburg Supply Co., 226 1st  
Av. (Fuel Gas; Gas) ...A  
Westinghouse Elect. & Mfg.  
Co. (Ampere; Volt; Alter-  
nating Current; Electric;  
Recording Watt) .AAAA  
**PA.**—Reading  
Reading Electric Mfg. Co.  
(Volt) .....E  
**PA.**—Ryersford  
Keystone Meter Co. (Gas;  
Prepaid Gas) .....A  
**R. I.**—Providence  
Builders' Iron Fdry. (Water)  
AA  
**WIS.**—La Crosse  
Benton & Son. Thos. P.  
(Ampere; Volt) .....F

**METHYL**

New York City  
Salomon & Bro., L. A. ...AA

**MICA**

**ILL.**—Chicago  
Sills Eddy Mica Co., 34  
Clark (Micabeston) ....X  
**MASS.**—Boston  
North Carolina Mica Co., 84  
North .....D  
**MO.**—St. Louis  
Braner, A. G. ....C  
**N. J.**—Lincoln  
Atlas Mineral & Machine Co.  
(Ground) .....D  
New York City  
Franklyn & Ferguson, Cot-  
ton Exch. Bldg. (Electri-  
cal; Ground; Pulp) ...F  
Johns-Manville Co., H. W.,  
100 William (Moulded)  
AAAA  
Mica Insulator Co., 218 Wa-  
ter (Micanite) .....B  
Mica Mfg. Co. ....C  
Munsell & Co., Eugene...B  
National Gum & Mica Co.,  
502 W. 45th (Ground;  
Pulp) .....A  
Schoonmaker, A. O., 221  
Fulton (Importer) ....D  
Whittaker, W. H., 245  
Front (Ground) .....E  
**N. C.**—Asheville  
Asheville Mica Co. ....B  
**PA.**—Philadelphia  
Merchant & Co., 517 Arch  
AA  
Paxson Co., J. W. (Shist)  
AA  
**VA.**—Richmond  
Richmond Mica Co. (Ground)  
B

**MICROMETERS**

**CONN.**—Hartford  
Pratt & Whitney Co. AAAA

**MICROMETERS (Con.)**

**MASS.**—Athol  
Athol Machine Co. ....B  
Starrett Co., L. S. (Outside;  
Inside) .....A  
**MASS.**—Fitchburg  
Sawyer Tool Mfg. Co. (In-  
side) .....C  
**MASS.**—Greenfield  
Massachusetts Tool Co. ...C  
New York City  
Hammacher - Schlemmer &  
Co., 209 Bway. ....AAA  
**N. Y.**—Syracuse  
Syracuse Twist Drill Co. .B  
**PA.**—Columbia  
Smith, E. G. ....F  
**R. I.**—Providence  
Brown & Sharpe Mfg. Co.  
(Paper) .....AAA  
Slocumb & Co., J. T. ....E

**MICROSCOPES**

**CONN.**—Bridgeport  
Gaynor & Mitchell Mfg. Co.  
(Toy) .....D  
**ILL.**—Chicago  
Martin Co., Edw. P. ....C  
**MASS.**—Boston  
Thompson & Co., A. T., 15  
Tremont Pl. (Projecting)  
X  
New York City  
King Optical Co., Julius  
(Dlrs.) .....C  
Meyrowitz Co. (Dlrs.) ....E  
**N. Y.**—Rochester  
Bausch & Lomb Optical Co.  
(Mfrs.) .....AAA  
Gundlach Manhattan Optical  
Co. ....A  
**PA.**—Philadelphia  
Thomas Co., A. H., 12th &  
Walnut (Importers) ...B

**MIDDLES:  
CARD**

See Paper

**MILK**

**CAL.**—Hanford  
Valley Cond. Milk & Cream  
Co. (Condensed) .....E  
**CAL.**—Loleta  
Cold Brook Creameries (Con-  
densed) .....B  
**CAL.**—Los Angeles  
Pacific Creamery Co. (Con-  
densed; Sterilized Cream)  
B  
**CAL.**—San Francisco  
Hilmer & Bredhoff (Con-  
densed) .....C  
**CAL.**—Visalia  
Valley Cond. Milk & Cream  
Co. (Condensed) .....E  
**COLO.**—Fort Lupton  
Colorado Condensed Milk Co.  
(Condensed) .....C  
**ILL.**—Effingham  
Van Camp Cond. Milk Co.  
(Condensed) .....A  
**ILL.**—Elgin  
Elgin Condensing Co. (Con-  
densed) .....A  
Huntley Cond. Milk Co.  
(Condensed) .....B  
**ILL.**—Geneva  
Kleinbeck, C. H. (Con-  
densed) .....D  
**ILL.**—Highland  
Helvetia Milk Condensing  
Co. (Condensed; Evapor-  
ated Cream) .....AA  
**ILL.**—Pearl City  
Great Western Cond. Milk  
Co. (Condensed) .....B  
**ILL.**—St. Charles  
St. Charles Condensing Co.  
(Condensed; Evaporated  
Cream) .....AAA  
**ILL.**—Trenton  
St. Louis Cond. Milk Co.  
(Condensed) .....D  
Trenton Evaporated Cream  
Co. (Condensed) .....B  
**IND.**—Anderson  
Indiana Cond. Milk Co.  
(Condensed) .....D  
**IND.**—Centerville  
Centerville Cond. Milk &

**MILK (Con.)**

**Creamery Co. (Condensed)** A  
**IND.—Indianapolis**  
 Centerville Cond. Milk & Creamery Co. (Condensed) A  
 Van Camp Cond. Milk Co., (Condensed) .....A  
**IOWA—Waverly**  
 Wisconsin Cond. Milk Co. (Condensed) .....B  
**IOWA—West Liberty**  
 Iowa Cond. Milk Co. (Condensed) .....A  
**MASS.—Cambridge**  
 Brigham Co., C. (Condensed) A  
**MASS.—Newburyport**  
 Newburyport Cond. Milk Co. (Condensed) .....C  
**MICH.—Detroit**  
 Jersey Cond. Milk Co., (Phelps, Brace & Co.) (Condensed) .....AA  
**MICH.—Durand**  
 Durand Cond. Milk Co. (Condensed) .....C  
**MICH.—Howell**  
 Michigan Cond. Milk Co. (Condensed) .....A  
**ICH.—Jackson**  
 Amer. Cond. Milk Co. (Ltd.) (Condensed) .....A  
**MICH.—Lansing**  
 Michigan Cond. Milk Co. (Condensed) .....A  
**MICH.—Morenci**  
 Ohio Dairy Co. (Condensed) B  
**MICH.—Northville**  
 Northville Condensing Co. (Condensed) .....C  
**MICH.—Uby**  
 Hands Cond. Milk Co., Dr. (Condensed) .....B  
**MINN.—Rochester**  
 Minnesota Milk Condensing Co. (Condensed) .....G  
**MO.—St. Louis**  
 St. Louis Cond. Milk Co. (Condensed) .....D  
**N. J.—Bridgeton**  
 Bridgeton Cond. Milk Co. (Condensed) .....A  
**N. J.—Glenwood**  
 Brown & Bailey (Condensed) O  
**N. Y.—Dansboro**  
 U. S. Condensed Milk Co. (Condensed) .....C  
**N. Y.—Delphi**  
 Delphi Milk Condensing Co. (Condensed) .....C  
**N. Y.—Frankfort**  
 Michigan Cond. Milk Co. (Condensed) .....AA  
**N. Y.—Fulton**  
 Nestle, Henri (Condensed) B  
**N. Y.—Goshen**  
 Howell Cond. Milk & Cream Co. (Condensed; Evaporated Cream) .....A  
**New York City**  
 Borden's Cond. Milk Co. (Condensed; Malted) AAAAA  
 Canfield, H. Y. (Condensed) A  
 Leeming & Co., T. (Condensed Nestles' Swiss) B  
 Michigan Cond. Milk Co. (Condensed) .....A  
 Mohawk Cond. Milk Co. (Condensed) .....A  
 Wisconsin Cond. Milk Co. (Condensed) .....B  
**N. Y.—Rochester**  
 Mohawk Cond. Milk Co. (Condensed) .....A  
**N. Y.—St. Johnsville**  
 Mohawk Cond. Milk Co. (Condensed) .....A  
**N. Y.—Walton**  
 Consumers' Cond. Milk Co. (Condensed) .....C  
**OHIO—Cleveland**  
 National Cond. Milk Co. (Condensed) .....B  
**OHIO—Kent**  
 National Cond. Milk Co. (Condensed) .....B  
**PA.—Corry**  
 Corry Cond. Milk Co. (Condensed) .....C

**MILK (Con.)**

**PA.—Connersport**  
 Northern Cond. Milk Co. (Condensed) .....B  
**PA.—Kennett Square**  
 Eastern Cond. Milk Co. (Ltd.) (Condensed) ...B  
**PA.—Malvern**  
 Hires' Cond. Milk Co. (Condensed) .....AA  
**PA.—Philadelphia**  
 Hires' Cond. Milk Co. (Condensed) .....AA  
 Northern Cond. Milk Co. (Condensed) .....B  
**PA.—Scranton**  
 Hand Cond. Milk Co., Dr. (Condensed) .....B  
 Lackawanna Dairy Co., The (Condensed) .....F  
 Laplume Cond. Milk Co. (Condensed) .....A  
**UTAH—Richmond**  
 Utah Cond. Milk Co. (Condensed) .....A  
**VT.—Burlington**  
 Vermont Cond. Milk Co. (Condensed) .....B  
**WASH.—Kent**  
 Pacific Coast Cond. Milk Co. (Condensed) .....A  
**WASH.—Seattle**  
 Pacific Coast Cond. Milk Co. (Condensed) .....A  
**WIS.—Burlington**  
 Wisconsin Cond. Milk Co. (McCanna & Fraser) (Condensed) .....B  
**WIS.—Elkhorn**  
 Badger State Cond. Milk Co. (Condensed) .....C  
**WIS.—Racine**  
 Horlick's Food Co. (Malted) A

**MILLINERY**

See Hats; Flowers; also List in Appendix; Feathers, etc.

**MILLS**

See also Windmills; Agr. Imps.; Tools; Machy.; Grinders; Pulverizers; Crushers, etc.

**ALA.—Huntsville**  
 Huntsville Fdry. & Machine Wks. (Sugar Cane) ...B  
**ALA.—New Decatur**  
 North Alabama Engineering Co. (Sugar Cane) .....F  
**ARIZ.—Nogales**  
 Arizona & Sonora Mfg. Co. (Cyanide; Stamp) ....C  
**CAL.—Benecia**  
 Benecia Agricultural Wks., (Baker & Hamilton) (Feed Grinding) ....AAA  
**CAL.—Los Angeles**  
 Stearns Mfg. Co. (Wind) ..D  
**CAL.—San Francisco**  
 Dyer Mill Co., 240 Montgomery (Improved Canon Ball Quartz) .....A  
 Harron, Rickard & McCone (Inc.), 21 Fremont (Quartz) .....B  
 Hendy Machine Wks., Joshua (Quartz; Stamp) ..AA  
 Jackson Machine Wks., Byron (Wind) .....A  
 Krogh Mfg. Co., 9 Stevenson (Quartz) .....C  
 Marshutz & Cantrell, Main, cor. Howard (Quartz) ..A  
 Risdon Iron & Locomotive Wks., Stewart & Folsom (Quartz; Sugar Cane) ...AAA  
 Union Iron Wks., 222 Market (Prospecting; Stamp) AAAAA  
 Woodin & Little (Wind) ..A  
**CAL.—Stockton**  
 Globe Iron Wks. (Inc.) (Stamp) .....B  
**COLO.—Denver**  
 Davis Iron Wks., F. M., 8th & Larimer (Stamp) ...A  
 McFarlane & Co., 1784 15th



**MILLS (Con.)**

(Stamp) ..... A  
 Mine & Smelter Supply Co.,  
 Blake & 17th (Stamp) ...  
 AAA  
 Montgomery Mchry. Co., J.  
 H. (Concentrating; Stamp) C  
 Stearns-Roger Mfg. Co.,  
 1718 California (Chlorina-  
 tion; Stamp) ..... A  
**CONN.—Ansonia**  
 Farrel Fdry. & Machine Co.  
 (Cane; Rolling) ..... AAAA  
**CONN.—Bridgeport**  
 Bullard Mach. Tool Co.  
 (Boring; Turning) ..... A  
**CONN.—Derby**  
 Birmingham Iron Fdry.  
 (Wire Flattening; Rail) A  
**CONN.—Hartford**  
 Pratt & Whitney Co. (Bor-  
 ing; Horizontal; End;  
 with Inserted Teeth) ...  
 AAAA  
**CONN.—Higganum**  
 Cutaway Harrow Co. (Cider) A  
**CONN.—Meriden**  
 Parker Co. (The). Chas.  
 (Coffee; Drug; Spice) ...  
 AAAA  
**CONN.—New Britain**  
 Landers, Frary & Clark  
 (Coffee; Drug) ..... AAA  
**CONN.—New Haven**  
 Geometric Drill Co. (Hol-  
 low; Adjustable) ..... C  
 Harrison, Leonard D.  
 (Paint; Color; Corn) ... H  
 New Haven Mfg. Co. (Bor-  
 ing; Turning) ..... AA  
 Shuster Co., F. B. (Wire) X  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co.  
 (Drug; Spice; Coffee) ...  
 AAAA  
**CONN.—Thompsonville**  
 Bushnell Press Co., Geo. H.  
 (Cider; Oil) ..... A  
**CONN.—Waterbury**  
 Blake & Johnson (Rolling;  
 Wire Flattening) ..... A  
 Waterbury Farrel Fdry. &  
 Machine Co. (Rolling  
 Brass; Rolling Copper;  
 Rolling Sheet Metal;  
 Wire) ..... AA  
 Waterbury Machine Co.  
 (Rumbling) ..... B  
**DEL.—Wilmington**  
 Betts Machine Co. (Boring;  
 Turning; Vertical, 5 to 20  
 ft. Swing) ..... A  
 Poole Co., Morton J. (Ink) AA  
 Pusey & Jones Co. (Sugar  
 Cane) ..... AAA  
 Walker & Elliott (Cement;  
 Phosphate Fertilizer  
 Grinding) ..... B  
**GA.—Atlanta**  
 De Loach Mill Mfg. Co.  
 (Buhr Stone; Corn Meal;  
 Corn; Shingle) ..... X  
 Van Winkle Gln & Machine  
 Wks., E. (Oil Cake) ... A  
**GA.—Augusta**  
 Lombard Iron Wks. & Sup-  
 ply Co. (Band Saw; Grist;  
 Cane; Stamp) ..... A  
**GA.—Columbus**  
 Southern Plow Co. (Sugar  
 Cane) ..... AA  
**GA.—Macon**  
 Schofield Sons & Co., J. S.  
 (Sugar Cane) ..... A  
**GA.—Newnan**  
 Cole Mfg. Co., R. D.  
 (Grist) ..... A  
**GA.—Savannah**  
 Kehoe & Sons, Wm. (Sugar  
 Cane) ..... A  
 Bourke & Sons, Jno. (Sugar  
 Cane) ..... B  
**GA.—West Point**  
 West Point Iron Wks.  
 (Grist) ..... C  
**ILL.—Aurora**  
 Amer. Well Wks. (Wind) ...  
 AA

**MILLS (Con.)**

**ILL.—Batavia**  
 Appleton Mfg. Co. (Grist;  
 Feed; Wind) ..... A  
 Batavia Wind Mill Co.  
 (Corn; Cob; Feed Grind-  
 ing) ..... D  
 Challenge Wind Mill & Feed  
 Mill Co. (Grist; Grist  
 Wind Fanning; Feed;  
 Wind) ..... A  
 U. S. Wind Engine & Pump  
 Co. (Grist; Corn; Feed;  
 Wind) ..... A  
**ILL.—Chicago**  
 Allis-Chalmers Co., Home  
 Ins. Bldg. (Ball; Pebble;  
 Car Wheel Boring; Cra-  
 nide; Prospecting; Quartz;  
 Steam Pump) ..... AAAA  
 Chicago Scale Co. (Corn;  
 Feed) ..... A  
 Elmes Engineering Wks.,  
 Chas. F. (Corn; Linseed  
 Oil) ..... A  
 Fairbanks, Morse & Co.  
 (Grist; Wind) ..... AAAA  
 Kaestner & Co., Chas.  
 (Malt; Grinding Paint;  
 Drug; Spice) ..... A  
 Olsen & Tilgner (Malt) ... D  
 Raymond Bros. Impact Pul-  
 verizer Co., 143 Laflin  
 (Grinding; Quartz; Paint;  
 Drug; Spice) ..... C  
 Stroud & Co., E. A., 36 E. A  
 Salle (Drug; Grinding) ... D  
**ILL.—Elgin**  
 Elgin Wind Power & Pump  
 Co. (Grist; Wind) ... O  
 Woodruff & Edwards Co.  
 (Coffee; Spice) ..... B  
**ILL.—Freeport**  
 Arcade Mfg. Co. (Coffee;  
 Spice) ..... A  
 Hoefer Mfg. Co. (Boring;  
 Turning) ..... D  
 Stover Mfg. Co. (Grinding;  
 Family Grist; Grist; Corn  
 Meal; Cob; Corn; Feed;  
 Feed Portable; Feed  
 Horse Powers; Combined;  
 Rumbling; Wind) ..... A  
 Woodmanse & Hewitt Mfg.  
 Co. (Wind) ..... B  
**ILL.—Galesburg**  
 Colton & Co., G. D. (Corn  
 Cob; Feed Grinding;  
 Grist; Wind) ..... D  
 Frost Mfg. Co. (Grist) ... A  
 May Bros. (Wind) ..... B  
**ILL.—Geneva**  
 Snow Mfg. Co. (Feed  
 Grinding) ..... B  
**ILL.—Harvey**  
 Austin Mfg. Co., F. C.  
 (Wind) ..... AA  
**ILL.—Henry**  
 Aera Mfg. Co. (Wind) ... D  
**ILL.—Joliet**  
 Adam, W. J. (Bone; Corn;  
 Feed) ..... B  
**ILL.—Marseilles**  
 Marseilles Mfg. Co. (Fan-  
 ning; Feed Grinding;  
 Grist; Wind) ..... A  
**ILL.—Mascoutah**  
 Trappe, Chas. H. (Fanning) H  
**ILL.—Moline**  
 Barnard & Leas Mfg. Co.  
 (Grist; Roller) ..... AA  
 Moline Pump Co. (Wind) ... A  
**ILL.—Peoria**  
 Avery Mfg. Co. (Fanning) A  
 Avery Planter Co. (Wind) ... A  
 Kingman & Co. (Fanning) ...  
 AAA  
**ILL.—Rockford**  
 Rockford Well Drill Co.  
 (Sugar Cane) ..... F  
**ILL.—St. Charles**  
 Goodhue Rotary Grinder Co.  
 (Corn; Cob) ..... D  
**ILL.—Sandwich**  
 Sandwich Mfg. Co. (Feed;  
 Grist; Wind) ..... AA  
**ILL.—Sterling**  
 Sterling Mfg. Co. (Grist;  
 Feed) ..... A

**MILLS (Con.)**  
**IND.—Alexandria**  
 Miller Bros. Mfg. Co.  
 (Fanning) .....X  
**IND.—Auburn**  
 Zimmerman Mfg. Co.  
 (Wind) .....B  
**IND.—Aurora**  
 Stedman's Fdry. & Machine  
 Wks. (Grinding; Bone;  
 Clay Grinding) .....C  
**IND.—Butler**  
 Butler Co. (Feed Grinding)  
 B  
**IND.—Frankfort**  
 Wallace Mfg. Co. (Pug)...C  
**IND.—Indianapolis**  
 Chandler & Taylor Co.  
 (Band Saw) .....AA  
 Nordyke & Marmon Co., 1101  
 W. Morris (Cement; Drug;  
 Spice; Paint; Color; Fam-  
 ily Grist; Plantation;  
 Portable; Rye; Under  
 Runner; Upper Runner;  
 Starch; Buhr Stone; Buck-  
 wheat; Buckwheat Roller;  
 Corn Meal; Corn Roller;  
 Hominy; Pearl Barley;  
 Roller; Cob; Corn; Feed;  
 Feed Portable) .....AAA  
 Potts & Co. (Inc.), C. & A.  
 (Pug) .....B  
 Sinkler-Davis Co. (Grist)...B  
**IND.—Kendallville**  
 Flint & Walling Mfg. Co.  
 (Wind) .....AA  
**IND.—La Porte**  
 Michael, Chas. H. (Fanning)  
 D  
**IND.—Mishawaka**  
 Perkins Wind Mill & Axe  
 Co. (Grist; Wind).....A  
**IND.—Richmond**  
 Eureka Fence Mfg. Co.  
 (Feed Grinding) .....E  
 Richmond City Mill Wks.  
 (Buhr Stone; Grist;  
 Corn Meal; Roller; Corn;  
 Cob; Brown Stone; Porta-  
 ble) .....A  
 Robinson & Co. (Grist) ...A  
**IND.—South Bend**  
 Bowsheer Co., N. (Corn; Cob;  
 Feed Grinding) .....B  
 South Bend Fdry. Co. (Feed  
 Grinding) .....B  
 Sundries Mfg. Co. (Feed  
 Grinding) .....B  
**IOWA—Centerville**  
 Hercules Mfg. Co. (Feed  
 Grinding) .....G  
**IOWA—Dubuque**  
 Cooper Wagon & Buggy Co.  
 (Feed Grinding) .....A  
 Dubuque Turbine & Roller  
 Mill Co. (Roller) .....B  
**IOWA—Lone Tree**  
 Monarch Grubber Mfg. Co.  
 (Feed) .....B  
**IOWA—Ottumwa**  
 Dain Mfg. Co. (Feed Grind-  
 ing) .....AA  
**IOWA—Waterloo**  
 Kelly & Taneyhill Co.  
 (Feed Grinding) .....G  
**IOWA—Webster City**  
 Litchfield Mfg. Co. (Feed  
 Grinding) .....A  
**KANS.—Enterprise**  
 Ehrsam Machine Co., J.  
 B. (Grist; Roller) .....C  
**KANS.—Leavenworth**  
 Great Western Mfg. Co. (Cem-  
 ent; Buhr Stone; Grist;  
 Plantation; Portable;  
 Rye; Upper Runner; Buck-  
 wheat; Buckwheat Roller;  
 Corn Meal; Flour; Cylind-  
 rical; Roller; Corn; Cob;  
 Feed; Feed Portable) ...AA  
**KANS.—Manhattan**  
 Blue Valley Mfg. Co. (Feed;  
 Feed Sweep) .....F  
**KY.—Louisville**  
 Avery & Sons, B. F.  
 (Sugar Cane) .....AAA  
 Brennan & Co., 801 W.  
 Green (Cider; Fanning;  
 Sugar Cane) .....A  
**LA.—New Orleans**  
 Coleman, H. Dudley (Cane;  
 Corn) .....X

**MILLS (Con.)**  
 Payne & Joubert, 423 Caron-  
 delet (Sugar Cane) ....O  
 Swoop, Julian M., 913  
 Girod (Sugar Cane) ...A  
 Whitney Iron Wks. Co.  
 (Cane) .....A  
**MD.—Baltimore**  
 Adt, Jno. B. (Snuff) ....B  
 Detrick & Harvey Machine  
 Co. (Horizontal Drilling;  
 Boring; Milling) .....AA  
 Murray & Son, Jas., 102 E.  
 York (Grinding) .....B  
 Poole & Son Co., Robt. (Oil;  
 Paint; Color; Rolling  
 Brass; Rolling; Copper;  
 Fertilizer; Snuff) .....A  
 Ryan-McDonald Mfg. Co.  
 (Portable) .....A  
 Starr & Co., B. F., 455  
 North (Buhr Stone;  
 Grinding; Portable) ...D  
**MASS.—Athol**  
 Gay & Wood (End) .....A  
**MASS.—Boston**  
 Ames Plow Co. (Drug;  
 Spice; Grist; Corn Meal;  
 Coffee; Fanning) .....AA  
 Blanchard Machine Co.  
 (Bone; Soap Powder)...D  
 Bradley Fertilizer Co.  
 (Bone; Fire Brick; Min-  
 eral; Paint; Color; Uni-  
 versal; Quartz) .....X  
 McLauthlin, Geo. T. (Oil  
 Cake) .....H  
 Sturtevant Mill Co. (Bone;  
 Cement; Fire Brick;  
 Paint; Color; Fertilizer).D  
**MASS.—Chicopee Falls**  
 Belcher & Taylor Agrl. Tool  
 Co. (Fanning) .....A  
**MASS.—Fitchburg**  
 Putnam Machine Co. (Bor-  
 ing; Turning) .....AA  
**MASS.—Lowell**  
 Lowell Machine Shop (In-  
 digo) .....AAAA  
**MASS.—New Bedford**  
 Morse Twist Drill & Mach.  
 Co. (Hollow Adjustable;  
 End; with Inserted Teeth)  
 AAA  
**MASS.—North Adams**  
 Hunter Machine Co., Jas.  
 (Pulling) .....A  
**MASS.—North Wilbraham**  
 Cutler Co. (Buhr Stone;  
 Grist) .....A  
**MASS.—Orange**  
 Chase Turbine Mfg. Co.  
 (Lath) .....A  
 Hunt, Rodney Machine Co.  
 (Pulling) .....A  
**MASS.—Plymouth**  
 Bennett, L. H. (Fanning).X  
**MASS.—Springfield**  
 Baush Machine Tool Co.  
 (Boring; Turning) .....B  
**MASS.—Woburn**  
 Freeman & Co., J. T.  
 (Leather Stuffing) ...D  
**MASS.—Worcester**  
 Amer. Card Clothing Co.  
 (Pulling) .....AAA  
 Blaisdell Co., P. (Boring;  
 Horizontal) .....A  
 Draner Mach. Tool Co.  
 (Boring; Horizontal) ..A  
 Morzan Construction Co.  
 (Bloom; Continuous  
 Billet; Rod; Hoop; Cot-  
 ton; Tie; Merchant Bar)  
 A  
**MICH.—Albion**  
 Cook Mfg. Co. (Feed  
 Grinding) .....E  
**MICH.—Bay City**  
 Garland Co., M. (Lath; Log)  
 C  
**MICH.—Detroit**  
 Byram & Co. (Rumbling;  
 Cinder) .....D  
 Campbell Fanning Mill Co.,  
 M. (Fanning) .....A  
 Durling, A. N. (Fanning).F  
 Huettelman & Cramer Co.  
 (Malt) .....A  
**MICH.—Grand Rapids**  
 Butterworth & Lowe (Lath)  
 A  
 Fox Machine Co. (Boring;

<b>MILLS (Con.)</b> Turning).....X	<b>MILLS (Con.)</b> <b>NEBR.—Beatrice</b> Dempster Mill Mfg. Co. (Wind).....A
<b>MICH.—Hancock</b> Portage Lake Fdry. & Machinery Co. (Stamp)...B	<b>N. H.—Keene</b> Humphrey Machine Co. (Indigo).....C
<b>MICH.—Kalamazoo</b> Phelps & Bigelow Wind Mill Co. (Wind).....B	<b>N. H.—Lakeport</b> Bickford, H. (Boring or Turning).....D
<b>Smith &amp; Pomeroy Wind Mill Co. (Feed; Wind)...</b> B	<b>N. J.—Bartley</b> Bartley & Sons, Wm. (Sectional Bark).....C
<b>Williams Mfg. Co. (Wind)</b> B	<b>N. J.—Gloucester City</b> Rogers' Boat, Gauge & Drill Wks., J. M. (Adjustable Hollow).....B
<b>MICH.—Lansing</b> Lansing Boiler & Engine Wks. (Lath).....B	<b>N. J.—Jersey City</b> Smith & Sons Co., Theo., ft. of Essex (Grinding)...A
<b>Lansing Wheelbarrow Co. (Cider;).....AAA</b>	<b>N. J.—Newark</b> Binasse Machine Co. (Boring; Facing).....C
<b>MICH.—Manistee</b> Manistee Iron Wks. & Supply Co. (Band Saw)...B	<b>N. J.—Paterson</b> Paterson Machine Wks. (Warping).....F
<b>MICH.—Morenci</b> Michigan Brick & Tile M'ch. Co. (Pug).....C	<b>N. J.—Plainfield</b> Pond Mach. Tool Co. (Boring).....AAAA
<b>MICH.—Otego</b> Bardeen Paper Co. (Felt)...AA	<b>N. J.—Phillipsburg</b> Phillipsburg Mfg. Co. (Grinding).....F
<b>MICH.—Port Huron</b> Port Huron Engine & Thresher Co. (Corn; Cob; Feed Grinding).....AAAA	<b>N. J.—Baritan</b> Kenyon & Son, D. B. (Falling).....A
<b>MICH.—Saginaw</b> Ferrell & Co., A. T. (Fanning).....B	<b>N. J.—Smithville</b> Smith Machine Co., H. B. (Lath).....A
<b>Mitts &amp; Merrill (Bark; Lath).....B</b>	<b>N. Y.—Albany</b> Townsend Fdry. & Machine Shop (Ball; Indigo)....B
<b>Wickes Bros. (Band Saw; Lath; Stave).....AA</b>	<b>N. Y.—Auburn</b> New Birdsall Co. (Portable).....AA
<b>MICH.—Tecumseh</b> Brewer & Co., H. (Pug)...A	<b>N. Y.—Belmont</b> Clark Bros. (Band Saw)...A
<b>MICH.—Ypsilanti</b> Ypsilanti Machine Wks. (Roller).....D	<b>N. Y.—Brooklyn</b> Acton, Jno., 113 John (Grinding).....F
<b>MINN.—Faribault</b> Winter & Co., F. W. (Wind).....E	<b>Aising Co., J. R., 75 Guernsey (Ball; Pebble; Drug; Grinding; Quartz).....E</b>
<b>MINN.—Fergus Falls</b> Grollmund, M. (Fanning).G	<b>Bliss Co., E. W. (Boring Horizontal).....AAAA</b>
<b>MINN.—Minneapolis</b> Beeman & Co. (Fanning)...F	<b>Houchin &amp; Huber (Ink; Paint; Color; Chocolate)</b> E
<b>Cleland, A. V. (Fanning)...D</b>	<b>Kent Machine Wks., 246 Plymouth (Grinding; Ink)</b> E
<b>Howell &amp; Co., R. A. (Grist; Cob; Feed; Lath).....B</b>	<b>Nebel, M. A., 72 Grand Av. (Grinding).....D</b>
<b>Owens Co., J. L. (Fanning)</b> B	<b>Pioneer Iron Wks., 151 William (Sugar Cane).....A</b>
<b>Schutz-O'Neill Co. (Grinding).....C</b>	<b>Ross &amp; Son, Chas. (Drug; Spice; Fire Brick; Grease; Mineral; Paint; Color; Salt; Starch; Universal; Upper Runner; Buhr Stone; Chocolate; Clay).....D</b>
<b>Twin City Iron Wks. (Minn. Steel &amp; Mchry. Co.) (Feed Grinding)....A</b>	<b>Simpson, J. S. &amp; G. F. (Bone; Drug; Spice; Ink; Mustard; Oil; Paint; Color; Starch; Universal; Eccentric).....A</b>
<b>Twin City Separator Co. (Fanning).....D</b>	<b>Simpson Fdry. Co., 28 Rodney (Drug; Bone; Cork; Spice; Oil Cake; Paint Grinding).....C</b>
<b>Wellford Mfg. Co. (Roller)</b> C	<b>Taylor &amp; Co. (Inc.) (Oil; Paint; Color).....D</b>
<b>MINN.—Owatonna</b> Owatonna Fanning Mill Co. (Fanning).....F	<b>N. Y.—Buffalo</b> Frank Mchry. Co. (Lath)...D
<b>Sperry Mfg. Co. (Fanning)</b> D	<b>Holmes Mchry. Co., E. &amp; B. (Shingle).....B</b>
<b>MINN.—Sauk Center</b> Keller Mfg. Co. (Fanning) B	<b>Nove Mfg. Co., Jno. T. (Bone; Drug; Salt; Spice; Mineral; Paint; Color; Starch; Grist; Plantation; Portable; Universal; Upper Runner; Buhr Stone; Buckwheat; Buckwheat Roller; Corn Meal; Corn Roller; Pearl Barley; Roller; Corn; Coffee; Feed; Malt).....D</b>
<b>MINN.—Winnebago City</b> Dewey Mfg. Co. (Fanning) X	<b>Oliver Mfg. Co., W. W., 1483 Niagara (Rolling).C</b>
<b>MINN.—Winona</b> New Winona Mfg. Co. (Corn; Cob; Feed Grinding).....AAA	<b>Smith's Sons, Jno. E. (Drug; Spice).....B</b>
<b>MO.—Browning</b> Jenkins Hay Rake & Stack-er Co. (Feed Grinding).A	<b>Squier Mfg. Co., Geo. L. (Tortilla; Corn Meal;</b>
<b>MO.—Carrollton</b> Farm Tool Mfg. Co. (Feed Grinding).....C	
<b>MO.—Kansas City</b> Kansas City Hay Press Co. (Feed Grinding).....AA	
<b>Midland Asbestos Mfg. Co. (Felt).....D</b>	
<b>MO.—St. Louis</b> Curtis & Co. Mfg. Co. (Lath).....A	
<b>Fritz, Geo. J. (Roller)....C</b>	
<b>Kingsland Mfg. Co. (Grist)</b> B	
<b>Rumsey Mfg. Co., L. M. (Feed).....AAA</b>	
<b>Whitman Agrl. Co. (Grist; Feed).....A</b>	
<b>MONT.—Helena</b> Caird & Harksworth (Stamp).....B	

**MILLS (Con.)**  
Cane; (Coffee) .....A  
**N. Y.—Cato**  
Dutton & Co., E. Q. (Feed Grinding) .....E  
**N. Y.—Cattaraugus**  
Oakes & Burger (Curd) ..B  
**N. Y.—Cobleskill**  
Harder Mfg. Co. (Fanning) .....B  
**N. Y.—Croton-on-Hudson**  
Talcott & Co., W. E. (Pug) .....D  
**N. Y.—Groton**  
Groton Bridge & Mfg. Co. (Grist) .....B  
**N. Y.—Little Falls**  
Burrell & Co., D. H. (Curd) .....AAAA  
**Kingston's Sons, Wm.**  
(Felt) .....D  
**N. Y.—Lockport**  
Trevor Mfg. Co. (Shingle) ..B  
**N. Y.—Lyons**  
Aul & Sons, Henry (Fanning) .....F  
**N. Y.—Mt. Morris**  
Genesee Valley Mfg. Co. (Fanning) .....B  
**N. Y.—Newburgh**  
Coldwell-Wilcox Co. (Sugar Cane) .....B  
Stroock Felt Co. (Felt) ..AA  
**New York City**  
Abbe Engineering Co., 220 B'way (Ball; Pebble; Paint; Drug; Spice)....E  
Abele, Christian, 337 W. 50th (Grinding) .....A  
Amer. Felt Co., 110 E. 13th (Felt) .....AAAA  
Amer. Wood Working Mach. Co. (Lath) .....AAAA  
Brown Co., A. & F., 28 Cortlandt (Grinding; Oil Cake) .....A  
Burns & Sons, Jabez (Coffee) .....C  
Carey, Samuel (Cement; Drug; Spice; Chaser; Ink; Paint; Color; Salt; Grist; Portable; Buhr Stone; Corn Meal; Corn Roller; Chocolate; Feed; Fertilizer) .....C  
Chittillon & Sons, Jno. (Coffee; Spice; Drug) .....A  
Colwell, A. W. (Bagasse; Salurators) .....A  
Corcoran, Andrew J. (Wind) .....G  
Cornell Co., J. B. & J. M., 26th & 11th Av. (Sugar Cane) .....AA  
Deeley & Co., Robert, 507 W. 32nd (Sugar Cane) .....AA  
Fairbanks Co. (Coffee) .....AAAA  
Field & White, 116 Nassau (Felt) .....B  
Huntington Dry Pulverizer Co., 120 B'way (Grinding) .....G  
Kent Mill Co., 170 B'way (Grinding; Quartz) ....E  
Krajewski-Peasant Co., 82 B'way (Sugar Cane) ..AA  
Manning, Maxwell & Moore, 85 Liberty (Boring; Turning) .....AAAA  
Morgan Iron Wks., 814 E. 9th (Sugar Cane) .....B  
Newell Mfg. Co., 149 B'way (Grinding) .....D  
New York Agri. Co., 53 Cliff (Feed Grinding; & Cider Presses) .....D  
Niles-Bement-Pond Co., 136 Liberty (Boring; Turning; Car Wheel Boring) ..AAAA  
Pedrick & Ayer Co. (Boring; Turning) .....A  
Pierce Well Engineering & Supply Co. (Wind) .....C  
Prosser & Son, Thos., 15 Gold (Ball; Pebble) ....A  
Schock, G. (Malt) .....D  
Slotkin & Praglin, 210 Canal (Foot Power) .....B  
Smidth & Co., F. L., 66 Maiden Lane (Ball; Pebble) .....P

**MILLS (Con.)**  
**N. Y.—Poughkeepsie**  
Lane Bros. Co. (Coffee; Drug; Grist; Spice) ...A  
**N. Y.—Rome**  
Adams & Son, S. (Lath) ..C  
**N. Y.—Silver Creek**  
Ehmke, C. (Grist) .....H  
Howes Co., S. (Grist; Coffee) .....A  
Huntley Mfg. Co. (Grist) ..A  
**N. Y.—Syracuse**  
Boomer & Boschert Press Co. (Cider) .....A  
**N. Y.—Troy**  
Grant-Ferris Co. (Drug; Spice; Cleaning) .....F  
**N. Y.—Utica**  
Millar & Son, Chas. (Card) .....AA  
Munson Bros. (Grist; Under Runner; Corn; Feed) ..A  
**N. Y.—Waterville**  
Berrills' Sons, J. A. (Paint; Color) .....B  
Waterville Fdry. & Mfg. Co. (Bark; Paint) .....F  
**N. C.—Charlotte**  
Meklenburg Iron Wks. (Stamp) .....X  
**N. C.—Statesville**  
Steele & Sons, J. C. (Pug) .....C  
**N. C.—Winston-Salem**  
Salem Iron Wks. (Corn; Cob; Feed Grinding; French Buhr Grinding; Steam; Water; Animal Power Sugar Cane) ....B

**OHIO—Akron**  
Taplin, Rice & Co. (Clay) ..A  
**OHIO—Bucyrus**  
Amer. Clay Working Mach. Co. (Clay Grinding; Pug; Tile; Reduction) .....B  
**OHIO—Canton**  
Bonnot Co. (Ball; Pebble; Pug) .....B  
**OHIO—Cincinnati**  
Amer. Tool Wks. Co., 6th & Eggleston Av. (Boring; Turning) .....AAA  
Bickford Drill & Tool Co., 3 Pike (Boring; Turning; Car Wheel Boring) .....A  
Blymer Iron Wks. (Portable; Tortilla; Cane; Corn; Cob; Sorghum) .....D  
Day & Co., J. H., 1144 Harrison Av. (Ball; Pebble; Buhr Stone; Drug; Grinding; Paint; Spice) .....C  
Fosdick Machine Tool Co. (Boring; Turning) .....C  
Fritsch-Francis Mfg. Co. (Malt) .....X  
Haven Co., Jas. L., (Cane; Feed; Sorghum) .....X  
King Machine Tool Co. (Boring; Turning) .....C  
Lane & Bodley Co. (Band Saw; Grist; Stamp) ....A  
McGowan Co., Jno. H. (Oil) .....A  
Miller, L. J. (Grinding; Bone; Chicory; Crushing; Drug; Spice; Salt; Cob; Corn; Coffee; Feed; Feed Crushing) .....X  
Straub Mchry. Co., 1936 W. 6th (Buhr Stone; Cocoa; Feed Grinding; Grinding; Roller Grinding) .....C

**OHIO—Cleveland**  
Bartlett & Snow Co., C. O. (Feed Grinding; Cement; Drug; Paint; Spice Grinding) .....B  
Bronson-Walton Co. (Coffee; Spice, etc.) .....B  
Cleveland Twist Drill Co., cor. Lake & Kirtland (End) .....A  
Fanner Mfg. Co. (Coffee; Spice, etc.) .....A  
Kilby Mfg. Co. (Sugar Cane) .....AA  
Sly Mfg. Co., W. W. (Cylinder, with Pump Attached; Exhaust Steel Tumbling; Water Polishing) .....D  
Standard Sand & Fdry. Supply Co., 1434 Superior (Ball Bearing Centrifugal

**MILLS (Con.)**  
 Sand) .....D  
 Standard Tool Co., 1260 Central Av. (Straight; Fluted; End) .....AAA  
 Warner & Swasey Co. (Boring; Turning) .....A  
**OHIO—Columbiana**  
 Enterprise Mfg. Co. (Grist; Feed) .....B  
**OHIO—Columbus**  
 Case Mfg. Co. (Rye; Buckwheat; Buckwheat Roller; Roller; Corn; Feed) ..AA  
 Sun Mfg. Co. (Hand Coffee) .....A  
**OHIO—Dayton**  
 Buckeye Iron & Brass Wks. (Oil Cake) .....A  
**OHIO—Galion**  
 Freese & Co., E. M. (Pug) C  
**OHIO—Greenfield**  
 Waddell Wooden Ware Wks. (Coffee; Spice) .....B  
**OHIO—Hamilton**  
 Black & Clawson Co. (Ink) .....AA  
 Niles Tool Wks. Co. (Boring; Horizontal) ..AAAA  
**OHIO—Hillsboro**  
 Bell Co., C. S. (Corn; Cob; Feed Grinding; Sugar Cane) .....A  
**OHIO—Lancaster**  
 Eagle Machine Co. (Feed Grinding) .....A  
 Hocking Valley Mfg. Co. (Cider; Grist) .....A  
**OHIO—Lockland**  
 Carey Mfg. Co., Philip (Felt) .....AAA  
 Holdeman Paper Co. (Felt) .....A  
**OHIO—Mansfield**  
 Aultman & Taylor Machry. Co. (Grist) .....AA  
**OHIO—Massillon**  
 Hess, Snyder & Co. (Cinder; Wind) .....AA  
**OHIO—Middleport**  
 Ohio Machine Co. (Pug) ..C  
**OHIO—Monroeville**  
 Hosford, Jno. (Fanning), X  
**OHIO—Newark**  
 Newark Machine Co. (Fanning) .....B  
**OHIO—New Lexington**  
 Star Mfg. Co. (Feed Grinding; Sweep Feed) .....U  
**OHIO—Salem**  
 Silver Mfg. Co. (Feed; Feed Sweep) .....AA  
**OHIO—Sandusky**  
 Klotz Machine Co. (Cider) B  
**OHIO—Springfield**  
 Amer. Drill Co. (Feed Grinding) .....F  
 Amer. Engineering Co. (Attrition Grinding) .....C  
 Foss Mfg. Co. (Attrition; Grinding; Bone; Crushing; Grist; Corn Meal; Feed) A  
 Kelly Co., O. S. (Feed Grinding) .....AA  
 Mast & Co., P. P. (Cider) .....AAAA  
 Mast, Foss & Co. (Wind) .....AA  
 Rogers Iron Co. (Feed Grinding) .....C  
 Ross Co., E. W. (Feed Grinding) .....A  
 Springfield Machine Tool Co. (Wind) .....B  
**OHIO—Steubenville**  
 Means Fdry. & Machine Co. (Pug) .....B  
**OHIO—Tiffin**  
 Nat'l Machry. Co. (Rumbling) .....AA  
**OHIO—Toledo**  
 Baker Bros. (Boring; Turning) .....A  
 Toledo Machine & Tool Co. (Rolling) .....A  
**OHIO—Upper Sandusky**  
 Beery Mfg. Co. (Feed Grinding) .....D  
**OHIO—Wellington**  
 Wellington Machine Co. (Pug) .....B  
**OHIO—Wellsville**  
 Stevenson Co. (Pug) .....B  
**OHIO—Winton Place**  
 King Machine Tool Co. (Ver-

**MILLS (Con.)**  
 tical Boring; Turning, 42, 50, 60, 72 inch size) ....O  
**OHIO—Youngstown**  
 Andrews Bros. Co. (Rolling) X  
**OHIO—Zanesville**  
 Griffith & Wedge Co. (Stamp) .....A  
**OREGON—Ashland**  
 Ashland Iron Wks. (Stamp) F  
**OREGON—Portland**  
 Hammond Mfg. Co. (Stamp) X  
**PA.—Allegheny**  
 Ajax Mfg. Co. (Feed Grinding) .....D  
 Carlin's Sons, Thos. (Pug) A  
**PA.—Allentown**  
 Allentown Fdry. & Machine Wks. (Bark; Cement; Paint Color) .....A  
 Mosser & Son, Wm. F. (Bail; Pebble) .....A  
**PA.—Easton**  
 Wilson Bros. (Bone; Drug; Spice; Family Grist; Grist; Corn; Cob) .....A  
**PA.—Elizabethtown**  
 Buch's Sons, A. (Fanning) B  
**PA.—Erie**  
 Stearns Mfg. Co. (Band Saw) .....AA  
**PA.—Franklin**  
 Colburn Mach. Tool Co. (Boring; Turning) .....A  
**PA.—Harrisburg**  
 Reist & Son, J. R. (Fanning) X  
**PA.—Lancaster**  
 Eureka Bark Mill Co. (Jno. Best) (Bark; Corn Meal; Cob) .....B  
 Martin Brick Machine Mfg. Co. (Mortar) .....B  
**PA.—Landsdale**  
 Heebner & Sons (Feed Grinding) .....A  
**PA.—Lebanon**  
 Weimer Machine Wks. (Rolling) .....AA  
**PA.—Mechanicsburg**  
 Comstock, Geo. S. (Cider) D  
**PA.—Muncy**  
 Sprout, Waldron & Co. (Drug; Spice; Emery; Paint; Color; Buhr Stone; Corn Meal; Roller; Carbon; Corn; Cob; Feed) ..A  
**PA.—New Holland**  
 Zimmerman, A. A. (Feed Grinding) .....F  
**PA.—Philadelphia**  
 Bement, Niles & Co. (Boring; Horizontal) ..AAAA  
 Campbell, P. F., 55 Laurel (Buhr Stone; Drug; Paint Fertilizer Grinding; Whiting; Oil Cake Spice) ..D  
 Coles Mfg. Co., 1615 N. 23d (Coffee; Spice) .....D  
 Dell & Son, J. C. (Elect. Geared Coffee) .....G  
 Devlin & Co., Thos. (Coffee) .....AAA  
 Enterprise Mfg. Co., of Pa. (Coffee; Spice; Bone; Drug; Corn Meal; Coffee) .....AAAA  
 Espen-Lucas Machine Wks., Broad & Noble (Boring; Turning) .....D  
 Fairmount Machine Co., 2108 Wood (Fulling; Indigo), A  
 Furbush & Son Mach. Co., M. A. (Warping) .....A  
 Garrett & Co., C. S., 21 Decatur (Felt) .....A  
 Griscom & McFeeley (Roller) .....X  
 Hance Bros. & White (Drug; Spice) .....AA  
 Harrington Son & Co. (Inc.), E. (Boring) .....AA  
 Horn & Bros., Wm. H. (Bark) .....B  
 Howard Fdry. & Machine Wks. (Drug; Spice; Paint; Color) .....C  
 Keystone Machine Tool Wks., 1037 Ridge Av. (Boring; Turning) ...AA

**MILLS (Con.)****Moore & White Co. (Rolling)**

AA

**Morris, Henry G., Phila.****Bourse (Sugar Cane).... F****Natl. Specialty Mfg. Co., 3d****Cor. Lehigh Av. (Drug)**

AA

**Newton Machine Tool Wks.,****2347 Vine (Boring; Turn-****ing).....A****Phila. Roll & Mach. Co.****(Rolling).....A****Power & Co., L. (Lath). AA****Sellers & Co. (Inc.), Wm.,****1600 Hamilton (Boring;****Turning; Car Wheel Bor-****ing).....AAAA****Straub Co., A. W., 3737 Fil-****bert (Hand Drug).....D****Thompson & Campbell****(Bone; Drug; Spice;****Paint; Color; Portable;****Roller; Fertilizer; Malt)**

X

**Troemner, Henry (Coffee)**

AAA

**PA.—Pittsburg****Huber & Co., S. V., Fergu-****son Bldg. (Continuous)..D****Machintosh, Hemphill & Co.****(Ltd.).....AAA****Mesta Machine Co. (Rolling;****Tin Plate).....AAA****Phillips & McLaren (Pug) B****PA.—Reading****Reading Hdw. Co. (Coffee)**

AAAA

**Reading Iron Co. (Cane;****Rolling).....AAAA****PA.—Ridgeway****Ridgeway Machine Tool Co.****(Boring; Turning).....B****PA.—Royersford****Royersford Fdry. & Machine****Co. (Cinder).....C****PA.—South Bethlehem****Bethlehem Fdry. & Machine****Co. (Ball; Pebble).....C****PA.—Tatamy****Messinger Mfg. Co. (Bone;****Shell; Fanning; Feed****Grinding).....B****PA.—Wilkesbarre****Vulcan Iron Wks. (Chaser)**

AAAA

**PA.—York****Farquhar Co., A. B. (Cider;****Corn; Cobb; Food Grind-****ing).....AAA****Hench & Dromgold Co. (Ci-****der).....A****Keystone Farm Machine Co.****(Cider; Corn; Cob; Feed****Grinding).....F****Variety Iron Wks. (E. G.****Smyser's Sons) (Roller) A****York Felt & Paper Co.****(Felt).....C****R. I.—Bridgeton****Hopkins Machine Wks. (Ful-****ling).....C****R. I.—Providence****Brown & Sharpe Mfg. Co.****(Rumblng; End).....AAAA****Standard Mchry. Co. (Rod****Tapering; Wire Flatten-****ing).....A****Textile Finishing Mchry. Co.****17 Exchange Place (Indi-****go).....AAAA****S. C.—Charleston****Valk & Murdoch Iron Wks.****(Grist).....B****TENN.—Chattanooga****Chattanooga Plow Co.****(Sugar Cane).....A****TENN.—Clarksville****Patch, A. H. (Feed Grind-****ing).....B****TENN.—Jackson****Southern Engine & Boiler****Wsk. (Inc.) (Corn; Cob) A****TENN.—Memphis****Livermore Fdry. & Machine****Co. (Grist).....A****TEXAS.—Bryan****Chatham Mchry. Co. (Grist)**

B

**VT.—Bennington****Scott, Olin (Fulling).....A****VT.—Montpelier****Lane Mfg. Co. (Lath;****Shingle).....A****MILLS (Con.)****VT.—Rutland****Howe Scale Co. (Coffee;****Spice).....AAAA****VT.—St. Albans****St. Albans Fdry. Co. (Feed)**

B

**VA.—Norfolk****Billups Son & Co., C. (Fan-****ning).....A****White & Bros., S. R. (Cider;****Sugar Cane).....A****Whitehurst Co., R. W. (Ci-****der; Corn).....B****VA.—Richmond****Cardwell Machine Co. (Ci-****der; Oil Cake).....A****WASH.—Spokane****National Iron Wks. (Inc.)****(Stamp).....C****WIS.—Appleton****Appleton Machine Cr.****(Grist).....B****WIS.—Beaver Dam****Rowell Mfg. Co., J. S. (Fan-****ning).....A****WIS.—Cudahy****Power & Mining Mchry. Co.****(Chlorination; Quarts; Cy-****anide; Stamp).....AAAA****WIS.—Eau Claire****Phoenix Mfg. Co. (Band****Saw; Lathe).....A****WIS.—Evansville****Baker Mfg. Co. (Feed Grind-****ing).....A****WIS.—Fort Atkinson****Cornish, Curtis & Greene****Mfg. Co. (Curd; Wind). A****WIS.—Kaukauna****Solar Mfg. Co. (Fanning) E****WIS.—La Crosse****James Co., Jno. (Roller) ..B****Ott & Sons, Benj. (Bark). D****WIS.—Madison****Gisholt Machine Co. (Boring;****Turning).....AA****WIS.—Manitowoc****Smalley & Co. (Grist; Feed)**

B

**WIS.—Marinette****Stevens Co., A. W. (Feed****Grinding, also French****Buhr).....AA****WIS.—Milwaukee****Allis-Chalmers Co. (Band****Saw; Cyanide; Roller;****Chillian; Lath; Stamp)****AAAA****Filler & Stowell Co. (Ltd.)****(Band Saw; Lath; Log;****Shingle).....AAA****Hirsch Bros. (Fanning) ...D****Kiewert Co., Chas. L.****(Malt).....A****Pawling & Harnishfeger****(Boring; Turning).....AA****Vilter Mfg. Co. (Malt) ...AA****WIS.—Racine****Dickey Mfg. Co., A. P. (Fan-****ning).....F****Foster & Williams Mfg. Co.****(Fanning).....B****Freeman & Sons Mfg. Co., S.****(Feed; Grist; Corn; Cob;****Fanning; Wind).....A****Johnson & Field Co. (Fan-****ning).....F****Racine Implement Co.****(Fanning).....E****WIS.—Sheboygan****Kohler, Hayssen & Stehn****Mfg. Co. (Grist).....A****WIS.—Superior****Duplex Mfg. Co. (Grist;****Feed; Wind).....A****WIS.—Waupum****Althouse-Wheeler Co. (Feed****Grinding).....A****MILLSTONES****CONN.—New Haven****Harrison, Leonard D. ....H****IND.—Indianapolis****Nordyke & Marmon Co. AAA****MD.—Baltimore****Starr & Co., B. F. ....C****N. Y.—Buffalo****Noye Mfg. Co., Jno. T. ...X****New York City****Carey, Samuel (Buhr)....C****N. Y.—Utica****Munson Bros. Co. (Buhr)....A**

**MILLSTONES (Con.)**  
**OHIO**—Cleveland  
 Cleveland Stone Co. . . . .AAAA  
**PA.**—Philadelphia  
 Campbell, P. T., 55 Laurel D

## MIMEOGRAPHES

**ILL.**—Chicago  
 Dick Co., A. B., 161 W.  
 Jackson Boul. . . . .AA  
 Rider & Co., M. D. . . . .E  
**N. Y.**—Carthage  
 Mason, M. P. . . . .A

## MINCE MEAT

See Meat; Mince.

## MINERALS

See Clays

## MIRRORS

See also Furniture; Glasses.

**CONN.**—Derby  
 Derby Silver Co. (Hand) . . . . .AAAA  
**CONN.**—Meriden  
 Bradley & Hubbard Mfg. Co.  
 (Framed; Hand) . . . . .AAAA  
 Meriden Britannia Co.  
 (Hand) . . . . .AAAA  
**CONN.**—Wallingford  
 Wallace & Sons Mfg. Co., R.  
 (Hand; Toilet) . . . . .AAAA

**ILL.**—Chicago  
 American Specialty Mfg. Co.  
 70 W. Wash. (Adjustable) . . . . .E  
 Galloway Glass Co. . . . .C  
 Mills Novelty Co., 11 S. Jeff  
 (Carusel) . . . . .A  
 Parisian Novelty Co., 163 S.  
 Canal (Advertising) . . . . .C  
 Rubin Bros. Mfg. Co., 345 S.  
 Canal (Bath Room) . . . . .E

**IND.**—Shelbyville  
 Conrey-Davis Mfg. Co. (Bath  
 Room) . . . . .B  
**MD.**—Baltimore  
 Bereger & Co. (Hand) . . . . .X  
**MASS.**—Boston  
 Boston Mirror Co., Inc. . . . .D  
**MASS.**—Florence  
 Florence Mfg. Co. (Framed;  
 Hand; Toilet) . . . . .A  
**MICH.**—Detroit  
 Hargreaves Mfg. Co.  
 (Framed; Toilet) . . . . .A  
 Moore & Son, E. C., 103  
 Miami Av. (Dental,  
 Mouth) . . . . .F  
 Widman & Co., C. D.  
 (Framed) . . . . .A

**MICH.**—Grand Rapids  
 Royal Furniture Co.  
 (Framed) . . . . .A  
**MICH.**—Lansing  
 Lyons & Co., Hugh  
 (Counter) . . . . .A  
**MO.**—St. Louis  
 Pauk & Sons Mfg. Co., H.  
 (Framed) . . . . .A  
 Western Glass Bending  
 Wks., 1520 Gratiot (Bent)  
 D

**N. J.**—Hoboken  
 Schlumber & Co., Wm.  
 (Hand) . . . . .AA  
**N. J.**—Newark  
 Celluloid Co. (Hand; Shav-  
 ing; Toilet) . . . . .B  
**N. Y.**—Brooklyn  
 Donnelly Co., J. R. (Convex;  
 Folding; Foot; Hall; Man-  
 tile; Pier) . . . . .D  
**N. Y.**—East Syracuse  
 Benedict Mfg. Co., M. S.  
 (Toilet) . . . . .AA

**New York City**  
 Arlington Co., 475 Bway.  
 (Hand) . . . . .AAAA  
 Blum, Toch & Co. (French  
 Mirror Plate; Amer.  
 Beauty Plate) . . . . .B  
 Consolidated Dental Mfg. Co.  
 (Dental) . . . . .B  
 Denzl & Phillips (Foot) . . . . .C  
 Gorham Mfg. Co., Bway &  
 19th (Hand) . . . . .AAAA  
 Grote & Co., F. (Hand; Tol-  
 let) . . . . .D

**MIRRORS (Con.)**  
 Herter Bros. (Inc.) (Hall;  
 Mantle; Pier) . . . . .D  
 Judd & Co., H. L. (Ornament-  
 tal; Toilet) . . . . .AA  
 Meyer-Sniffen Co. (Ltd.)  
 (Framed) . . . . .A  
 Pottier & Stymus Co. (Hall;  
 Mantel; Pier) . . . . .D  
 Souto & Co., B. (Hall) . . . . .B  
 Swain & Son (Inc.), H. C.  
 (Hall) . . . . .D  
 Vogel & Co., F. (Hall) . . . . .X  
**N. Y.**—Rochester  
 Bausch & Lomb Optical Co.  
 (Search Light) . . . . .AAA  
**OHIO**—Toledo  
 Meilink Mfg. Co. (Hand), C  
**PA.**—Philadelphia  
 Behrend, Jacob, 118 Wallon  
 (Bath Room) . . . . .C  
 Johnson & Lund (Dental)  
 AA  
 White Dental Mfg. Co., S. S.  
 (Dental) . . . . .AAAA  
**PA.**—Pittsburg  
 Gillespie & Co., J. J.  
 (Framed) . . . . .B  
**PA.**—Reading  
 Natn. Brass & Iron Wks.  
 (Framed) . . . . .A  
**R. I.**—Providence  
 Foster & Bros. Co., Theo. W.  
 (Hand) . . . . .AA  
 Pollard & Co., A. (Pocket;  
 Hand) . . . . .E

## MITRES

**CONN.**—New Haven  
 Reeves Mfg. Co. (Gauge) . . . . .C  
**CONN.**—Waterbury  
 Waterbury Clock Co.  
 (Gauge) . . . . .AAAA  
**MASS.**—Lynn  
 Frego, Alex J. K. (Gauge)  
 H  
**N. J.**—Newark  
 Plumb, David S. (Gauge) . . . . .D  
**OHIO**—Canton  
 Berger Mfg. Co. (Eaves  
 Trough) . . . . .AA  
 Canton Steel Roofing Co.  
 (Eaves Trough) . . . . .A  
**OHIO**—Cleveland  
 Garry Irpn & Steel Co.  
 (Eaves Trough) . . . . .A  
**PA.**—Philadelphia  
 Berger Bros. Co., 231 Arch  
 (Eaves Trough) . . . . .A

**MITTENS**  
 See Gloves & Mittens

## MIXERS

See also Mills; Machinery.

**CONN.**—Ansonia  
 Farrell Fdy. & Machine Co.  
 (German Linoleum) . . . . .AAAA  
**CONN.**—Danbury  
 Peck Fur Co. (Fur) . . . . .D  
**CONN.**—Derby  
 Birmingham Iron Foundry  
 (Rubber) . . . . .AA  
**CONN.**—New Britain  
 Landers, Frary & Clark  
 (Bread) . . . . .AAA  
**DEL.**—Wilmington  
 Pusey & Jones Co. (Sugar)  
 AAA

Walker & Elliott (Mortar;  
 Clay) . . . . .B  
**D. C.**—Washington  
 Fisher & Saxton Co. (Ce-  
 ment) . . . . .D  
**ILL.**—Chicago  
 Caldwell & Son Co., H. W.  
 (Concrete) . . . . .AA  
 Drake Standard Machine  
 Works, 300 W. Jackson  
 Boul. (Concrete; Motar;  
 Asphalt) . . . . .B  
 Kaestner & Co. (Paint) . . . . .A  
 Municipal Engineering &  
 Contracting Co. (Mortar)  
 A  
 Wolf Co., F. W., 139 Rees  
 (Sugar) . . . . .AAA

**I. I.**—Decatur  
 Decatur Iron Works (Clay)  
 D

**MIXERS (Con.)**

**ILL.—Edwardsville**  
 Edwardsville Brass Company  
 (Gas) .....B  
**IND.—Indianapolis**  
 Hetherington & Berner, 19  
 W. South (Asphalt) ....A  
 Nordyke & Marmon Co.  
 (Flour; Feed) .....AAA  
**IOWA—Burlington**  
 Murray Iron Works Co.  
 (Meat) .....A  
**IOWA—Keokuk**  
 Scott Mfg. Co. (Clay)....D  
**KANS.—Enterprise**  
 Ehrsam & Sons Mfg. Co.  
 J. B. (Plaster) .....B  
**KANS.—Leavenworth**  
 Great Western Mfg. Co.  
 (Flour; Feed) .....AA  
**LA.—New Orleans**  
 Payne & Joubert, 423 Ca-  
 rondelet (Sugar) .....A  
**MD.—Baltimore**  
 Poole Engineering & Ma-  
 chine Co. (Fertilizer;  
 Paint) .....AA  
**MASS.—Boston**  
 American Soda Fountain Co.  
 (Beverage) .....AAAA  
 American Tool & Machine  
 Co. (Sugar) .....AA  
 Johnson & Co., H. A.  
 (Dough) .....A  
**MICH.—Detroit**  
 Anderson & Sons, W. H.  
 (Concrete; Mortar) ....C  
**MICH.—Morenci**  
 Michigan Brick & Tile Ma-  
 chine Co. (Gas) .....D  
**MO.—St. Louis**  
 Brecht Butchers' Supply  
 Co., G. V., 1201 Cass Av.  
 (Lard) .....AAA  
**N. J.—Jersey City**  
 Cockburn Harrow & Machine  
 Co. (Concrete) .....B  
**N. J.—Trenton**  
 Crossley Mfg. Co. (Clay)...B  
 Thropp, Wm. R. (Sand)...A  
**N. Y.—Brooklyn**  
 Nebel M. A., 72 Grand Av.  
 (Paint) .....D  
 Pioneer Iron Works, 151  
 William (Asphalt) ....A  
 Ross & Son, Charles, 18  
 Steuben (Baking Powder)  
 D  
**N. Y.—Buffalo**  
 Contractors Plant Mfg. Co.  
 (Concrete) .....B  
 Dopp Co., H. W. (Lard;  
 Paint) .....D  
 Iroquois Iron Works, 178  
 Walden Av. (Asphalt)...A  
 Noye Mfg. Co., Jno. T.  
 (Flour; Feed) .....X  
 Shepard & Co., Sidney  
 (Cake) .....AAAA  
 Smith's Sons, Jno. E. (Lard;  
 Stuffing) .....B  
 Squier Mfg. Co., Geo. L.  
 (Sugar) .....AA  
**N. Y.—Newburgh**  
 Coldwell-Wilcox Co. (As-  
 phalt) .....B  
**New York City**  
 Bartlett, Haywood & Co.,  
 100 B'way (Sugar) ....B  
 Cornell Co., J. B. & J. M.,  
 28th & 11th Av. (Sugar)  
 AA  
 Deeley & Co., Robert, 507  
 W. 32d (Sugar) .....AA  
 Faust Machine Wks. (Paint)  
 D  
 Fowler & Rockwell, 9 Eliza-  
 beth (Asphalt; Cement) X  
 Henworth Co., S. S., 92  
 Willis Av. (Sugar) ....D  
 Houchin & Huber (Paint) D  
 Jamieson Co., R. W., 50  
 Warren (Bread; Dough) X  
 Krajewski-Pesant Co., 32  
 B'way (Sugar) .....AA  
 One Minute Churn Co., 9  
 Old Slip (Paint) .....X  
 Ransome Concrete Machry.  
 Co., 11 B'way (Concrete;  
 Mortar) .....C  
 Reilly Bros. (Paint) ....D  
 Staubach, B. (Lard) .....A  
 Wing Mfg. Co., L. J., 258

**MIXERS (Con.)**

W. B'way (Beverage)...D  
**N. Y.—Rochester**  
 Werner, John (Chocolate) D  
**N. Y.—Silver Creek**  
 Huntley Mfg. Co. (Feed) A  
**N. Y.—Syracuse**  
 Dunning, W. D., 300 Water  
 (Plaster) .....AA  
**N. Y.—Waterville**  
 Waterville Fdy. & Mfg. Co.  
 (Paint) .....F  
**N. C.—Charlotte**  
 Tompkins Co., D. A. (Fer-  
 tilizer) .....AA  
**OHIO—Bucyrus**  
 American Clay Working  
 Machine Co. (Clay) ....X  
**OHIO—Canton**  
 Canton Fdy. & Machine Co.  
 (Paint) .....B  
**OHIO—Cincinnati**  
 Day & Co., J. H., 1144 Har-  
 rison Av. (Fertilizer;  
 Cake; Plaster; Flour;  
 Feed; Paint) .....A  
**OHIO—Cleveland**  
 Bartlett & Snow Co., C. O.  
 (Paint) .....A  
**OHIO—Columbus**  
 Jeffrey Mfg. Co. (Concrete)  
 AAAA  
**OHIO—Hamilton**  
 Black-Clawson Co. (Lard)  
 AAA  
**PA.—Allegheny**  
 Carlins' Sons, Thos. (Con-  
 crete) .....A  
**PA.—Erie**  
 Campbell Brass Works, J. B.  
 (Gas) .....A  
 Erie Machine Shops (As-  
 phalt) .....B  
 Erie Specialty Co. (Bever-  
 age) .....B  
 Hays Mfg. Co. (Gas)....A  
 Hollands Mfg. Co. (Natural  
 Gas) .....B  
**PA.—Philadelphia**  
 Campbell, P. F. (Paint)..D  
 Nittinger, August (Lard)  
 A  
**PA.—Pittsburg**  
 Riter-Conley Mfg. Co. (Met-  
 al) .....AAA  
**PA.—Williamsport**  
 Darling Pump & Mfg. Co.  
 (Gas) .....B  
**PA.—York**  
 Dempwolf & Co., O. H.  
 (Fertilizer) .....A

**MOCCASINS**

**MAINE—Bangor**  
 Buck & Co., E. A. ....D  
**MINN.—St. Paul**  
 St. Paul Moccasin Co....G  
**New York City**  
 Abercrombie & Fitch, 314  
 B'way .....C  
**PA.—Harrisburg**  
 Waters Co., E. H. ....C  
**WIS.—Berlin**  
 Wright Co. ....B  
**WIS.—Eau Claire**  
 Cutter, A. A. ....A  
**WIS.—Milwaukee**  
 Kalt, Zimmers Mfg. Co...B

**MODELS**

**COLO.—Denver**  
 Flint Lomax Electric &  
 Mfg. Co., 1937 Curtis (&  
 Patterns) .....B  
**CONN.—Bridgeport**  
 Grant Mfg. & Machine Co.  
 (& Patterns; Experimental  
 Metal) .....B  
**CONN.—Hartford**  
 Fenn-Sadler Mach. Co. ...E  
**CONN.—New Haven**  
 Griswold, Geo. M. (& Ex-  
 perimental Work) .....D  
 Reeves Mfg. Co. (& Pat-  
 terns) .....C  
**CONN.—Plantsville**  
 Shepard, Amos (Metal) .E  
**CONN.—Waterbury**  
 Electrical Appliance Mfg.  
 Co. (& Experimental  
 Work) .....G



**MODELS (Con.)**

**CONN.—Winsted**  
Goodwin & Kints Co. (Inventors' Sheet Metal)...B  
**ILL.—Chicago**  
Andrews Co., A. H. (Drawing; Geometrical)...AA  
Lang Electric Co., J., 44 Michigan (& Experimental Work)...D  
Turner Brass Works, Franklin & Michigan (& Patterns; Brass)...A  
**ILL.—Quincy**  
Reliable Foundry Co. (& Patterns)...E  
**KANS.—Wichita**  
Wichita Mfg. Co. (& Patterns; Wood; Metal)...C  
**LA.—New Orleans**  
Buchel Machine Works, 827 Conti (& Patterns; Experimental Work)...X  
**MASS.—Boston**  
Ziegler Apparatus Co., 200 Summer (& Experimental Work)...X  
**MASS.—Fitchburg**  
Tenny & Merriam (& Patterns)...X  
**MASS.—New Bedford**  
Acushnet Iron Co. (& Patterns)...F  
Blossom Bro. (& Patterns)...X  
Washburn & Co., Lettie B. (& Patterns)...C  
**MASS.—Springfield**  
Bradley Co., Milton (Sunday School)...A  
**MASS.—Waltham**  
Ames & Co., B. C. (& Experimental Work)...X  
**MASS.—Westfield**  
Crane Bros. (Yacht Hull; Linenoid)...AAA  
**MASS.—Worcester**  
Kidder, R. E., 2 Hermon (& Patterns; all kinds)...E  
**MICH.—Detroit**  
Hardoin Brass Works, 180 Brush (& Patterns)...H  
**MICH.—Grand Rapids**  
Harring, Atwood Brass Mfg. Co. (& Patterns; Metal)...F  
**MO.—Kansas City**  
Hervey Machine Works (& Experimental Work)...F  
**MO.—St. Louis**  
Banner Iron Works (& Patterns)...B  
Gaisler, Pattern Co., O. Jr. (& Patterns)...G  
Gorning & Luley (& Patterns)...G  
Kiburz Pattern Co., Jno. (& Patterns)...F  
Knight & Co., W. B., 1518 Olive (& Patterns; Metal)...E  
Medart Fred, 3540 De Kalb (& Patterns)...E  
Neslage, Herman F., 1023 S. 11th (& Patterns)...H  
Reliance Machine & Tool Works (& Experimental Work)...AAA  
**N. H.—Lakeport**  
Cole Mfg. Co. (& Patterns)...A  
**N. J.—Jersey City**  
Spindler & Derringer, 18 Morris (& Experimental Work)...D  
**N. J.—Newark**  
McClure, Jno. C., 28 Orange (& Patterns)...X  
**N. Y.—Albany**  
Townsend Furnace & Machine Shop Co. (& Patterns)...B  
**N. Y.—Brooklyn**  
Columbia Machine Works & Malleable Iron Co., 167 Chestnut (& Patterns; Metal)...A  
Wiarda & Co., Jno. C. (Drawing)...AA  
**N. Y.—Newburgh**  
Chadborn Mfg. Co. (& Patterns)...X  
**New York City**  
Arthur Co., 188 Front (Ex-

**MODELS (Con.)**

perimental Work).....A  
Baillard, E. V., Fox Bldg. Franklin Sq. (& Experimental Work).....D  
Devoe, F. W. & C. T. Raynolds Co. (Drawing; Geometrical).....AAAA  
Dressler & Bro., C. E., 17 Lexington Av. (& Experimental Work).....D  
Hinchcliff, H. C., 170 Centre (Metal; Experimental Work).....E  
Hurd & Co., 570-576 W. B'way (& Experimental Work).....D  
Kny-Scheerer Co., 255 4th Av. (Anatomical; Biological).....O  
Parsell & Weed, 129 W. 81st (& Experimental Work).D  
Spencer Optical Co. (Eye).C  
**N. Y.—Rome**  
Doyle, W. J. ....D  
**N. Y.—Syracuse**  
Lewis, Chas. H., 120 S. State (& Patterns)....F  
Lipe, C. E. (Est.), 208 S. Geddes (& Patterns)...D  
**N. Y.—Troy**  
Tolhurst & Son, Wm. H., Fulton & 6th Av. (& Experimental Work)....B  
**OHIO—Akron**  
Adamson, Alex. (& Patterns).....D  
**OHIO—Canton**  
Canton Malleable Iron Co. (& Patterns; Brass)...B  
Frankham, Wm. (& Patterns).....F  
**OHIO—Cleveland**  
Gobeille Pattern Co. (& Patterns; Wood).....D  
**OHIO—Columbus**  
Ohio Pump & Brass Co., 18th & Oak (& Patterns).....C  
Simpson Iron Co. (& Patterns; Metal).....F  
**OHIO—Norwood**  
Dittgen & Rapp (Clay)...D  
**OHIO—Springfield**  
Parker Mfg. Co., W. T. (& Patterns).....G  
Pauly Bros. (& Patterns).....H  
Tittle, B. D. (& Patterns).....F  
**OREGON—Portland**  
Phoenix Iron Works (& Patterns).....D  
Portland Iron Works (& Patterns).....A  
Willamette Iron & Steel Works (& Patterns)....A  
**PA.—Allegheny**  
White, Jno. ....H  
**PA.—New Castle**  
New Castle Asphalt Block Co. (& Patterns).....A  
**PA.—Philadelphia**  
Allen, Geo. R., 500 N. 13th (& Patterns).....C  
Jenkins & Beach, 1535 Ridge Av. (& Patterns).....H  
Luzier & Son, T. B., 429 N. 5th (& Patterns).....D  
McLaughlin, Jno. K., 215 N. 2d (& Patterns).....H  
Nacke & Son, A., 723 Sansom (& Patterns; Metal).....E  
Rudolph, Wm. F., 234 N. Broad (& Experimental Work).....E  
**PA.—Pittsburg**  
Reliance Pattern Works, 3204 Smallman (& Patterns).....X  
Sommerfeld Machine & Mfg. Co., 224 3d Av. (& Experimental Work).....B

**MOHAIR**

See Woolen Goods

**MOISTENERS**

**ILL.—Chicago**  
Baird Mfg. Co. (Envelope;

**MOISTENERS (Con.)**  
 Stamp).....C  
 Eureka Blotter Bath Co.  
 (Dried Fruit; Cigar; En-  
 velope; Postage Stamp).E  
 Knapp Co., Fred H., 80  
 Wabash Av. (Label)....D  
**MASS.—Boston**  
 American Moistening Co.  
 (Air).....B  
 Eureka Novelty Co. (Enve-  
 lope).....X  
 Sturtevant Co., B. F. (Air)  
 AAA  
**M. Y.—Binghamton**  
 Binghamton Novelty Co.  
 (Envelope).....E  
**New York City**  
 Faber, Eberhard (Pen).AAA  
**PA.—Philadelphia**  
 Phila. Textile Machine Co.  
 (Air).....AA

## MOLASSES & SYRUPS

**CAL.—Oakland**  
 California Mercantile Co.  
 (Refined).....B  
 Columbia Mercantile Co.  
 (Refiners).....C  
**CAL.—San Francisco**  
 Long Syrup Refining Co.,  
 8th & Brannan.....B  
 Pacific Coast Syrup Co., 713  
 Sansome.....B  
**CONN.—New Haven**  
 Stoddard & Co., G. (Impor-  
 ters).....AA  
**GA.—Atlanta**  
 Eagle Mfg. Co. (Refiners).C  
 Planters Syrup Refining Co.  
 A  
**GA.—Cairo**  
 Quitman Syrup & Produce  
 Co.....C  
**GA.—Thomasville**  
 Cooper Co., C. W. ....C  
**ILL.—Chicago**  
 Berry, Maybrun Co., 59 Lar-  
 abee.....C  
 Bradshaw, J. H., 188 C. H.  
 Place.....A  
 Corn Products Co. ....AAAA  
 Durand & Kasper Co., 153  
 W. Lake (Ref.) ....AAA  
 Glucose Sugar Refining Co.,  
 The Rookery.....AAAA  
 Manierre-Yoe Syrup Co., 30  
 River.....B  
 Oelerich & Laux, 6 Austin  
 Av.....B  
 Reid, Murdock & Co., Lake  
 & Market.....AAAA  
 Scudder Syrup Co., 43 River  
 C  
 Scully Syrup Co., D. B., 416  
 Illinois (Rock Candy Sy-  
 rup).....A  
 Wogan Bros., 287 Kinzie...A  
**ILL.—Peoria**  
 Oakford & Fahnestock (Re-  
 finers).....AA  
**IND.—Evansville**  
 Indiana Canning Co. (Pack-  
 ers).....C  
**IND.—Indianapolis**  
 Champion Syrup Refining  
 Co., W. 10th & Belt R. R.  
 AA  
 Schnull & Co. (Refiners)  
 AAAA  
**IOWA—Benson**  
 Morgan Bros. ....C  
**IOWA—Davenport**  
 Glucose Sugar Refining Co.  
 AAAA  
**KANS.—Fort Scott**  
 Fort Scott Sugar & Sorghum  
 Syrup Co. ....B  
**KANS.—Independence**  
 Adamson Mfg. Co. (Sorghum  
 Syrup).....B  
**KY.—Louisville**  
 Torbitt & Castleman, 127  
 2d.....A  
**LA.—Baldwin**  
 Borg, Joe (Planter) ....A  
**LA.—Bancro**  
 Code, Wm. (Planter).....C  
**LA.—Baton Rouge**  
 Goyer & Co.; R. L. ....AA

**MOLASSES & SYRUPS**  
**LA.—Bayou Goula**  
 Murrell Mfg Co., G. M....A  
**LA.—Belle Rose**  
 Dehom & Pryeau (Planters)  
 B  
**LA.—Caspiano**  
 Kessler Bros. (Planters).B  
**LA.—Caspiano**  
 Hughes, J. V. (Planter)...A  
 Hutchinson, W. J. (Planter)  
 B  
**LA.—Chenal**  
 Rongon Bros. (Planters)..B  
**LA.—Houma**  
 Minor, H. C. (Planter)....A  
 Minor, J. D. (Planter)....B  
**LA.—Illawara**  
 Graham, H. H. (Planter).B  
**LA.—Klotzville**  
 Klotz, A. (Planter).....A  
**LA.—Lindsay**  
 McKowen, T. C. (Planter)  
 C  
**LA.—Lordells**  
 Kahoa, M. I. (Planter)...B  
**LA.—Longbridge**  
 Bordelow & Cappel (Plant-  
 ers).....C  
**LA.—Loreauville**  
 Gonsaulin, A. (Planter)...C  
**LA.—Louisia**  
 Burgulieres, M. E. D. (Plant-  
 er).....AA  
 Burgulieres, Jules M. (Plant-  
 er).....AA  
**LA.—Lucy**  
 Burch & Champagne (Plant-  
 ers).....C  
**LA.—McCall**  
 McCall Bros. Planting Co.  
 A  
**LA.—Mabel**  
 Smart, Alex. (Planter)...A  
**LA.—Manchac**  
 Lefebun, V. M. (Planter).B  
**LA.—Mansura**  
 Regard, Fereal. (Planter).B  
**LA.—Monroe**  
 Monroe Sugar & Molasses  
 Co. ....A  
**LA.—Natchez**  
 Williams, R. B. & J. W.  
 (Planters).....A  
 Williams & Son, R. B.  
 (Planters).....A  
**LA.—Newellton**  
 Marks, S. (Planter) ....C  
**LA.—New Orleans**  
 Alexander Co., M. H., 319  
 Decatur (R. C. Syr.)....A  
 Aaron & Co., J., 416 Poy-  
 dras (Molasses).....A  
 Bloomfield, W. B., 207 N.  
 Peters.....B  
 Bodenhemier & Bro., 209 N.  
 Peters.....A  
 D'Aquin, J. J., 223 N. Pe-  
 ters.....B  
 Dunbar Sons', G. W., 3400  
 Chartres.....A  
 Ellington Planting Co., Ltd.,  
 219 N. Peters.....A  
 Ermann & Cahn, 238 N. Pe-  
 ters.....AA  
 Feibelman, Sons & Co., E.,  
 418 S. Peters.....A  
 Godchaux Co., Leon (Plant-  
 ers).....AAAA  
 Haral, J. A., 319 Caronde-  
 let.....C  
 Hearn & Jones, 204 Fulton  
 A  
 Henderson, T. J., 235 N.  
 Peters.....C  
 Henderson, W., 237 N. Pe-  
 ters.....AA  
 Hobart & Co., H. L., 307  
 N. Front.....A  
 Israel, Leon, 417 Poydras..B  
 Louisiana Molasses Co., 414  
 St. Joseph.....A  
 McDermott, Thos., 225 N.  
 Peters.....A  
 Miles Planting & Mfg. Co.,  
 217 N. Peters.....AA  
 Scudder, R. B., N. Front &  
 Bienville.....C  
 Taussig Co., N. W.....AA  
 Westerfield, J. R., 235 N.  
 Peters.....C  
 Wogan Bros., N. Peters &  
 Port.....A

**MOLASSES & SYRUPS**

**LA.—Paincourtville**  
Dugas & Le Blanc (Plant-ers) .....AA  
**LA.—Plaquemine**  
Le Blanc & Daus .....A  
**LA.—Raceland**  
Abraham, Simon (Planter) .....B  
Matthews, C. S. (Planter).....B  
**LA.—Red Fish**  
Norwood & Perkins (Plant-ers) .....C  
**LA.—Timon**  
Timon, A. N. (Planter).....B  
**LA.—Vacherie**  
Weber Co., Joseph (Plant-ers) .....B  
**LA.—Vidalia**  
Friedler, Ignatz (Planter) .....B  
**LA.—Whitecastle**  
Iberville Planting & Mfg. Co. ....B  
**LA.—Winnsboro**  
Landauer, Aaron (Planter) .....B  
**MAINE—Portland**  
Allen & Co., F. E. ....A  
**MD.—Baltimore**  
Gibbs Preserving Co. (Syr.) .....AA  
Van Lill Co., S. J., 108 Concord (Syr.) .....B  
Woods & Co., D. C., 110 S. Gay .....B  
**MASS.—Boston**  
Boston Molasses Co., 24 Broad .....AA  
Eastern Refining Co., 42 Central .....A  
Hobart & Co., H. L., 131 State .....A  
Metcalfe Co., Theo., 39 Tremont .....A  
Scandinavian Importing Co., 438 Commercial .....C  
Taussig & Co., N. W., 144 State .....AA  
**MASS.—Lowell**  
Simpson & Rowland (Molasses) .....A  
**MICH.—Detroit**  
Phelps, Brace & Co., 22 Cass .....AA  
**MINN.—Minneapolis**  
Bank Syrup Co., 12 Central Market .....B  
Keely & Co., A., 125 Wash-ington, N. (Refining).....AA  
**MINN.—St. Paul**  
Drewry & Sons, 702 Payne Av. ....C  
Griggs, Cooper & Co., 242 E. 3d (Ref.) .....AAA  
St. Paul Syrup Refining Co. ....AAA  
Shields Sorghum Co., 240 W. 3d .....C  
Towle Syrup Co., Chicago Av. & Custer .....A  
**MISS.—Biloxi**  
Barataria Canning Co. (In cans) .....A  
**MISS.—Natchez**  
Natchez Molasses & Vinegar Co. ....AA  
**MO.—Kansas City**  
Bliss Syrup Refining Co. (Rock Candy Syrup).....B  
St. Louis Syrup & Preserv-ing Co., 306 Grand Av....A  
**MO.—St. Louis**  
National Molasses Co., 204 S. Main .....A  
St. Louis Syrup & Preserv-ing Co., Collins & Dick-son .....AA  
Standard Syrup Refinery, 215 S. 2d .....C  
**N. Y.—Albany**  
McEwan, Walter .....A  
**New York City**  
Adams & Co., 220 Front...A  
Duroy & Haines Co., 257 Greenwich (Syrup) ....B  
Eastern Refining Co., 113 Wall .....A  
Hudson Mfg. Co., 331 West C  
Israel, Leon, 113 Wall (Molasses) .....R

**MOLASSES & SYRUPS**

Standard Refining Co., 217 West .....B  
Taussig Co., N. W., 111 Wall .....AA  
Wickes, W. W., 10 Gouver-neur .....C  
Woods, R. L., 47 Dey (Syrup) .....A  
**OHIO—Cincinnati**  
Alexander Co., M. H. (Rock Candy Syrup) .....A  
Creasey's Sons, W. D., 45 Walnut .....C  
White & Co., D. A., 123 E. 2d .....A  
**PA.—Bradford**  
Boyle & Williams .....C  
**PA.—Johnstown**  
Love & Sunshine Co. ....AA  
**PA.—Philadelphia**  
Boyd & Sons, Geo., 2115 S. 8th .....B  
Central Molasses & Syrup Refinery, 30 S. Front...A  
Heyl Bros., 147 S. Front AA  
Lang & Son, W., 323 S. Lawrence (Rock Candy Syrup) .....B  
Rogers, Holloway & Co., 131 S. 4th (Syrup) .....A  
**PA.—Pittsburg**  
Duff & Sons, P., 918 Du-quesne Way (Molasses) AAA  
Minehart & Co., E., 213 9th O  
**TENN.—Chattanooga**  
Trotter Bros. ....A  
**TENN.—Memphis**  
Maury-Rawlings Co. ....C  
**WIS.—Milwaukee**  
Wisconsin Syrup Co. ....B

**MONOGRAMS**

**ILL.—Chicago**  
Chicago Art Metal Works (Harness; Silver) .....D  
**IND.—Indianapolis**  
Haugh, J. G., 225 N. Penna. (Shirt) .....D  
**IND.—South Bend**  
Studebaker Bros. Mfg. Co. (Harness) .....AAAA  
N. J.—Newark  
Greacen & Co., Walter (Harness) .....E  
Reynolds & Zahn (Blanket) B  
Schneider, Louis (Pocket-book) .....H  
**New York City**  
Dunn & Co., Thos. J. (Har-ness) .....C  
Grote & Co., F. (Ivory)...D  
**OHIO—Akron**  
Enterprise Mfg. Co. (Har-ness) .....A  
**OHIO—Cincinnati**  
Maggini, Geo. B., 216 W. 4th .....E

**MONUMENTS**

See also Stone

**CONN.—Bridgeport**  
Monumental Bronze Co. (Bronze) .....A  
**ILL.—Chicago**  
American Bronze Foundry Co., 73d & Woodlawn Av. (Bronze) .....D  
Winslow Bros. Co., 368 Car-roll Av. (Bronze) ....AA  
**IOWA—Des Moines**  
Western White Bronze Co. (Bronze) .....B  
**MAINE—Red Beach**  
Maine Red Granite Co. (Cemetery) .....B  
**MASS.—Chicopee**  
Ames Foundries (Bronze)...F  
**MASS.—Quincy**  
Granite Railway Co. ....A  
Merry Mount Granite Co....C  
**New York City**  
Cabaret & Co., Paul E., 342 W. 14th (Bronze) .....D  
Geissler, Rudolph, 56 W. 8th

**MONUMENTS (Con.)**  
 (Bronze) .....F  
 Gorham Mfg. Co., 19th &  
 B'way (Bronze) ..AAAA  
 Henry-Bonnard Bronze Co.,  
 480 W. 16th (Bronze)..C  
 Lamb, J. & R. (Cemetery) ..D  
**PA.—Philadelphia**  
 Bureau Bros., cor. 21st &  
 Allegheny Av. (Bronze)..D  
 Phila. White Bronze Monu-  
 ment Co. (Cemetery)...X  
 Tacony Iron & Metal Co.,  
 (Bronze) .....A  
**WIS.—Sheboygan**  
 Kohler, Hayssen & Stehn  
 Mfg. Co. (Cemetery) ...X

## MOPS

**CONN.—Bristol**  
 Conzelman, C. (Cotton)...F  
**ILL.—Freeport**  
 Arcade Mfg. Co.....A  
 Stover Mfg. Co.....AA  
**MASS.—Fall River**  
 Bates & Son, Jno. ....A  
**MASS.—Winchendon**  
 Clark, Wilder P. ....A  
**MICH.—Fenton**  
 Phillips Co., A. J. ....A  
 New York City  
 Massasoit Mfg. Co., 56 Leon-  
 ard (Cotton) .....AA  
 Naurath & Co., J. P., 109  
 Wooster .....E  
**N. Y.—Rochester**  
 Castel & Co., Wilmot....X  
**N. Y.—Troy**  
 Parks & Parks .....D  
**N. Y.—Warsaw**  
 Martin, W. D. ....G  
**OHIO—Canton**  
 Kohler & Co., F. E. ....B  
**OHIO—Cincinnati**  
 Ault Woodenware Co., 8th  
 & Carr .....A  
 De Roo, P., 105 E. Canal..D  
 Meyer, Sr., B., 19 E. Can-  
 al .....D  
**OHIO—Oxford**  
 Ohio Mop, Pail & Wringer  
 Co. ....E  
**OHIO—Sidney**  
 Donaldson & Boal Broom Co.  
 B  
**PA.—Erie**  
 Erie Mop & Wringer Co...D  
**PA.—Reading**  
 Reading Hdw. Co. ....AAAA  
**VT.—Wallingford**  
 Hoadley, F. H. ....D

## MORPHINE ..

**MO.—St. Louis**  
 Mallinckrodt Chemical Wks.  
 AAAA  
 New York City  
 McKesson & Robbins.AAAA  
 Merck & Co. ....AAA  
 N. Y. Quinine & Chemical  
 Works (Ltd.), 114 Wil-  
 liam .....A  
**PA.—Philadelphia**  
 Powers-Weightman-Ro-  
 sengarten Co. ....AAAA

## MORTAR

**DEL.—Wilmington**  
 Warner Co., Charles (Ma-  
 chine Mixed) .....AA  
**D. C.—Washington**  
 National Mortar Co., 625 F.,  
 N. W. (Machine Mixed).B  
**N. Y.—Buffalo**  
 Buffalo Paragon Wall Plas-  
 ter Co., 11 Brecken-  
 bridge (Machine Mixed).O  
 New York City  
 U. S. Mortar Supply Co.,  
 1123 B'way (Machine  
 Mixed) .....B  
**PA.—Philadelphia**  
 Knickerbocker Lime Co.,  
 366 N. 24th (Machine  
 Mixed) .....A  
**VT.—Ohester Depot**  
 American Soapstone Finish  
 Co. (Patent Soapstone).F

**MORTAR (Con.)**  
**VA.—Norfolk**  
 Builders' Supply Co. (Ma-  
 chine Mixed) .....B

## MORTARS

**N. J.—Burlington**  
 Stuart & Peterson Co.  
 (Druggists' Iron) .....A  
**N. J.—Trenton**  
 Trenton Potteries Co....AAA  
 New York City  
 Hughes, Thomas (Druggists'  
 Display) .....D  
 Maris & Co., John M., 219  
 Fulton .....B

## MORTISERS

See also Machinery

**CONN.—New Britain**  
 New Britain Machine Co.  
 (Chain Saw) .....A  
**CONN.—Norwich**  
 Rogers & Co., C. B. (Foot  
 Power) .....AAAA  
**ILL.—Rockford**  
 Barnes Co., W. F. & Jno.  
 (Foot Power) .....AA  
**MD.—Baltimore**  
 Sloan & Co., Frank B., 10  
 S. Charles (Sash Pulley) ..C  
**MASS.—Boston**  
 Austin & Eddy, 117 Broad  
 (Sash Pulley) .....C  
 Woods Machine Co., S. A.  
 (Hollow Chisel; Horizon-  
 tal; Vertical) .....AA  
**MASS.—Worcester**  
 Hobbs Mfg. Co. (Power)...A  
**N. J.—Newark**  
 Gould & Eberhardt (Foot  
 Power) .....A  
 Seymour & Whitlock (Foot  
 Power) .....B  
**N. J.—Smithville**  
 Smith Machine Co., H. B.  
 (Foot Power) .....A  
 New York City  
 American Wood Working  
 Mach. Co. (Foot Power) ..AAAA  
**N. Y.—Seneca Falls**  
 Seneca Falls Mfg. Co. (Foot  
 Power) .....B  
**N. Y.—Troy**  
 Kellogg, Wm. P. (Foot  
 Power) .....X  
**OHIO—Cincinnati**  
 Fay, J. A. & Egan Co.  
 AAAA

## MOSAICS

**CAL.—San Francisco**  
 California Marble Co. (Cera-  
 mic; Marble) .....D  
 Gilletti System Co., Builders'  
 Exchange (Marble) ....X  
**CONN.—Hartford**  
 Hartford Mantel & Tile Co.,  
 164 State (Marble) ....X  
 White & Whitmore, 88 Ann  
 (Marble) .....C  
**D. C.—Washington**  
 Corning, Jno. Herbert, 520  
 13th. N. W. (Marble)..E  
 Hutchinson, Wm. Seeley,  
 1331 G., N. W. (Marble) ..X  
 National Mosaic Co., 207  
 John Marshall Place  
 (Marble) .....D  
**ILL.—Chicago**  
 Caretti & Co., Jno., 232  
 Michigan (Ceramic; Mar-  
 ble) .....G  
 Davidson Bros. Marble Co.,  
 ft. of Orleans (Marble).B  
 Davis Mosaic Co., 302 Mich-  
 igan Av. (Ceramic; Ro-  
 man; Marble; Venetian) ..E  
 Hawes & Dodd, 24 Adams  
 (Ceramic; Marble) .....C  
 Henry Marble Co., 1628 Wa-  
 bash Av. (Marble) ....X  
 Keating & Sons' Co., M.,  
 224 Washn. (Marble)...D  
 Lorenzen & Co., Chas. F.,

**MOSAICS (Con.)**

278 N. Ashland Av. (Ceramic; Marble) .....C  
 Martheus Co., Chester N.,  
 225 Dearborn (Marble).D  
 Sherman & Flavin (Inc.),  
 2513 State (Ceramic; Roman;  
 Venetian; Marble) .....B

Weary, Edwin D., Marquette Bldg. (Ceramic; Marble) .....B

**ILL.—Peoria**

Peoria Stone & Marble Wks. (Marble) .....A

**IOWA—Des Moines**

Des Moines Marble & Mantel Co. (Marble) .....C

**MD.—Baltimore**

Calkins Co., S. H., 208 N. Liberty (Marble) .....E

National Mantel & Tile Co., Record Bldg. (Ceramic; Marble; Roman; Venetian) .....D

Thorman & Co., Jno. H., 12 McClellan (Marble) ...E

**MASS.—Boston**

Boston Mosaic Co., 131 Washn. (Ceramic; Venetian; Roman; Marble) ...X

Bowker, Torrey & Co., 718 Portland (Marble) ...AA

Crawley & Son, Geo. E., 1 Somerset (Marble) ....F

De Paoli Mosaic Association, 7 W. 7th (Marble).F

Murdock Corporation, 156 Boylston (Marble; Roman; Venetian) .....X

New England Marble Mosaic Co-operative Co., 36 Chardon (Marble) .....H

Phlipps, Horace J., 144 Essex (Glass) .....E

Stearns & Waterman, 90 Canal (Marble) .....H

**MICH.—Detroit**

Venetian Marble Mosaic Art Co., 98 Brush (Marble).E

**MINN.—Minneapolis**

Northwestern Mantel Co. (Marble) .....C

**MINN.—St. Paul**

Drake Mantel & Tile Co., 663 3d (Marble) .....C

**MO.—St. Louis**

Bradbury Marble Co., 1229 S. 2d (Ceramic) .....D

Bruner Grantold Co., P. M., 816 Olive (Marble) ....C

Pickel Marble & Granite Co., 1907 N. B'way (Marble) .....A

Venetian Mosaic Grantold Co., 2004 Locust (Ceramic; Marble; Roman; Venetian) .....X

**N. Y.—Albany**

Schilling Co., 43 Eagle (Marble) .....D

Weller, Anton, 566 B'way (Marble) .....B

**N. Y.—Buffalo**

Lantz Co., 861 Main (Marble) .....A

Mosaic Marble & Enamel Co., ft. Hudson (Marble; Roman; Venetian) .....D

**New York City**

Batterson & Eisele, 431 11th Av. (Marble) .....A

Boote Co., Alfred, 124 W. 33d (Marble) .....D

Church Glass & Decorating Co., 253 4th Av. (Glass; Marble; Roman; Venetian) .....B

Fisher Co., Robert C., 97 E. Houston (Marble; Roman; Venetian) .....AA

Gorham Mfg. Co. ....AAAA

Herter Bros., 309 5th Av. (Marble) .....D

Hyde Tiling Co., F. A., 113 E. 27th (Marble; Roman; Venetian) .....F

Jackson Co., Wm. H., 29 E. 17th (Roman; Venetian; Marble) .....A

Lamb, J. & R., 59 Carmine (Marble) .....D

**MOSAICS (Con.)**

Manhattan Glass Tile Co., 157 10th Av. (Ceramic; Glass) .....D  
 Naething-Leslie Tiling Co., 1123 B'way (Marble)...D  
 Pellurin & Co., 23 W. 8th (Ceramic; Marble; Roman; Venetian) .....E

Rossmann, Robert, 9 University Pl. (Ceramic; Marble) .....B

Salagona & Co., 422 W. 15th (Marble) .....G

Shipway & Bro., Jno. H., ft. E. 136th (Glass; Marble) .....A

Stoltzenberg Co., 51 Barclay (Ceramic; Glass; Marble) .....B

Toscani Bros., 215 E. 36th (Ceramic; Marble; Roman; Venetian) .....F

Traitel Bros. & Co., 133 W. 42d (Ceramic; Marble; Roman; Venetian) .....B

**OHIO—Cincinnati**

Cassini Mosaic & Tile Co., 10 E. 7th (Ceramic; Roman; Venetian; Marble).F

Great Western Marble Wks., cor. Park & 2d (Phillip McDonough, Prop.) (Ceramic; Marble) .....C

**OHIO—Cleveland**

Talamini Mosaic & Marble Co., Builders' Exchange (Marble) .....E

Vincent, Barstow Co., 159 Euclid Av. (Marble)...A

Wadsworth, Chester J., 1304 Euclid Av. (Marble)...E

**OHIO—Zanesville**

Art Ceramic Works (Ceramic) .....G

**PA.—Allegheny**

Schubert Tesselated Tile Co., 1225 Irwin Av. (Marble) .....D

Twin City Tiling Co., 16 North Av. (Marble)...F

**PA.—Harrisburg**

Galbraith, B. G. (Marble) .....D

**PA.—Philadelphia**

Belfi Bros. & Co., 22 S. 19th (Marble) .....F

Daly & Co., Jas. C., 1626 Chestnut (Marble) ....D

French & Co., Samuel H., 4th & Callowhill (Marble) .....A

Italian Marble Mosaic Co., 431 Spruce (Ceramic; Roman; Venetian; Marble).F

Sharpless & Watts, 1522 Chestnut (Ceramic; Venetian; Roman; Marble)...A

**PA.—Pittsburg**

Assembled Tile & Slab Co., S. 16th & Muriel (Cut Glass; all colors) .....D

Detrick Co., E. J., 345 4th Av. (Marble) .....D

Young Co., B. P., Frick Bldg. (Marble) .....D

**WIS.—Milwaukee**

Iversen Co., J. C., 425 E. Water (Marble) .....A

**MOSS****FLA.—Jacksonville**

American Fibre Co. (for Mattresses) .....G

**FLA.—Ocala**

Giles & Co., Geo. (Artificial) .....X

**ILL.—Chicago**

Borgwardt & Ernst Co., 292 W. Chicago Av. (Artificial) .....B

Selle & Co., H. W., 81 W. Kinzie (Artificial; Sea).D

**LA.—New Orleans**

Kohlman, Louis (Artificial) .....B

Luce, Geo. D. (Artificial).C

**MASS.—Boston**

Boston Excelsior Co., 26 Canal (Artificial) .....A

Haskins, L. M. (Irish) ...A

**MOSS (Con.)**  
**New York City**  
 Schwenker, W. M. (Irish). B  
**PA.—Philadelphia**  
 Baeder, Adamson & Co. (Artificial; Upholsterers')  
 AAAAA  
 Keller, Robert (Irish) .... D  
**WIS.—Milwaukee**  
 Kiewert Co., Chas. L. (Irish) ..... A

## MOTIONS

**MASS.—Boston**  
 Riley & Co., C. E., 65 Franklin (Drawing Frame Stop) ..... A  
**MASS.—Fall River**  
 Fall River Fdy. & Machine Co. (Spooler Stop) .... F  
**MASS.—Hopedale**  
 Draper Co. (Loom Stop; Warp Stop; Spooler Stop; Spooler Traverse) .AAAA  
**MASS.—Lowell**  
 Lahue & Co., H. M. (Steel Lug Pick) ..... E  
 Lowell Machine Shop (Even-er; Spooler Stop) .AAAA  
**MASS.—Newton Upper Falls**  
 Saco & Pettee Machine Wks. (Even-er) ..... AAA  
**MASS.—Readville**  
 Stafford Co., Geo. W. (Warp Stop) ..... A  
**MASS.—Taunton**  
 Mason Machine Wks. (Even-er) ..... AA  
**MASS.—Worcester**  
 Cleveland Machine Works (Doffer Comb) ..... A  
 Crompton & Knowles Loom Wks. (Selvage) .AAAA  
**N. J.—New Brunswick**  
 Crawford Mfg. Co. (Mechanical Stop) ..... F  
**PA.—Philadelphia**  
 Barker, James, Cayuga & N. 6th (Doffer Comb) .A  
 Nye & Fredick Co., 666 Arch (Knitting Machine Stop) D  
**R. I.—Pawtucket**  
 Howard & Bullough American Machine Co. (Ltd.) (Drawing Frame Stop) AAA  
**R. I.—Providence**  
 Curry & Co., Albert, 102 Friendship (Spooler Stop) H

## MOTORS

See also Engines; Dynamos

**CAL.—San Francisco**  
 Jackson Machine Works, Byron (Oil Fuel) ..... A  
**CONN.—Bristol**  
 Smith, Ira B. (Water) .... E  
**CONN.—Cos Cob**  
 Palmer Bros. (Gasoline Automobile) ..... C  
**CONN.—Hartford**  
 Organ Power Co. (Organ; Water) ..... E  
**CONN.—Windsor**  
 Eddy Electric Mfg. Co. (Electric) ..... D  
**ILL.—Chicago**  
 American Gasoline Motor Co., 88 W. Jackson Boul. (Gasoline: 1 1-2 to 8 h. p.) ..... X  
 Chicago Pneumatic Tool Co., Fisher Bldg. (Pneumatic) AAAAA  
 Chicago Water Motor & Fan Co., 22 S. Canal (Water) E  
 Fairbanks, Morse & Co., Franklin & Monroe (Gasoline Turntable) .AAAA  
 Hoffman Motor Co., H. L., 30 W. Randolph (4-Cycle Gasoline Automobile) .X  
 Illinois Malleable Iron Co., 30 W. Monroe (Water) AAAAA  
 Roth Bros. & Co. (Electric)

**MOTORS (Con.)**  
 Electric Fan) ..... F  
**ILL.—Decatur**  
 Faries Mfg. Co. (Revolving Spring) ..... A  
**ILL.—Downer's Grove**  
 Dicke Tool Co. (Water, for Washing Bottles) ..... C  
**IND.—Connersville**  
 Connersville Blower Co. (Water) ..... B  
**IND.—Ft. Wayne**  
 Fort Wayne Electric Corporation (Electric, Alt. Current; Electric Direct Connected; Electric Multi-Polar) ..... AA  
**IND.—Hagerstown**  
 Light Inspection Car Co. (Gasoline) ..... D  
**IND.—Indianapolis**  
 Commercial Electric Co., 220 W. Merrill (Electric Crane; Electric Elevator) A  
 Jenney Electric Mfg. Co. (Electric; Electric Direct Connected; Electric Elevator; Electric Multi-Polar; Electric Printing Press) ..... A  
 Specialty Mfg. Co., 400 S. Meridian (Water) ..... E  
**KANS.—Topeka**  
 Baird Portable Machine Co. (Pneumatic Wood Boring) ..... B  
**MAINE.—Brunswick**  
 Brunswick Mfg. Co. (Water) ..... D  
**MD.—Baltimore**  
 Rosenberg Co., A. (Water; Electric Manicuring; Dental) ..... H  
**MASS.—Boston**  
 Clark & Mills, 543 Boylston (Electric Fan) ..... D  
 Gilmore Electric Co. (Electric; Water) ..... A  
 Sturtevant Co., B. F. (Electric; Electric Street; Railway) ..... AA  
 Whitney, F. E., 65 Sudbury (Organ; Water) ..... E  
 Wood-Gleeson Motor Co., 106 Sudbury (Gasoline). X  
**MASS.—Cambridge**  
 Crest Mfg. Co. (Gasoline Automobile) ..... D  
**MASS.—Lowell**  
 Barker Mfg. Co., H. R. (Organ) ..... B  
**MASS.—Springfield**  
 Elektron Mfg. Co. (Electric; Organ; Electric Organ Blowing) ..... B  
 Russell, Jno. W. (Water). D  
**MASS.—Waltham**  
 Waltham Mfg. Co. (Automobile) ..... AA  
**MICH.—Battle Creek**  
 American Steam Pump Co. (Hydraulic Organ) .AAA  
**MICH.—Detroit**  
 Leland & Faulconer Mfg. Co., 480 Twombly Av. (Gasoline) ..... B  
 Michigan Steel Boat Co. (Marine Gasoline) ..... D  
 Northern Engineering Wks. (Compressed Air) ..... A  
**MICH.—Grand Haven**  
 Dake Engine Co. (Reversible Air) ..... A  
**MICH.—Grand Rapids**  
 Wolverine Motor Works (Gasoline; Benzine; Marine) ..... C  
**MICH.—Menominee**  
 Menominee Electric Mfg. Co. (Electric Fan) ..... C  
**MICH.—Fort Huron**  
 Lansing Motor Wks. (Gasoline; Mine Gas) ..... X  
**MICH.—St. Joseph**  
 St. Joseph Iron Wks. (Gasoline) ..... B  
 Truscott Boat Mfg. Co. (Marine) ..... A  
**MICH.—Three Rivers**  
 Sheffield Car Co. (Electric) AA

# **MOTORS (Con.)**

## **MINN.—Minneapolis**

D. & D. Electric Mfg. Co.,  
4th & 11th Av. (Elec-  
tric) .....X

## **MINN.—St. Paul**

Eureka Mfg. & Supply Co.  
(Cycle) .....H

Graves Motor Mfg. Co.  
(Cycle) .....X

Helwig Mfg. Co. (Revers-  
ible Pneumatic; Com-  
pressed Air) .....F

## **MO.—St. Louis**

Emerson Electric Mfg. Co.,  
718 St. Charles (Electric;  
Alt. Desk, Bracket & Cell-  
ing Electric Fan) .....B

Nelson Mfg. Co., N. O.  
(Water) .....AAA

Neustadt-Perry Co., 826 S.  
18th (Automobile) .....C

St. Louis Gasoline Motor Co.  
(Automobile; Gasoline).F

St. Louis Gas & Gasoline  
Engine Works, 2519 S. 2d  
(Automobile) .....F

Standard Railway Equip-  
ment Co., Union Trust  
Bldg. (Pneumatic) .....D

N. H.—Lebanon  
Kendrick & Davis (Battery;  
Electric Toy; Water)...A

N. J.—Ampere  
Crocker-Wheeler Co. (Elec-  
tric Crane; Electric Elev-  
ator; Electric Direct  
Connected; Electric Fan) AAA

N. J.—Belleville  
Eck Dynamo & Motor Wks.  
(Types: 1-32 to 5 h. p.  
Electric) .....C

N. J.—Boundbrook  
American Engine Co. (Elec-  
tric; Electric Street; Rail-  
way) .....A

N. J.—Elizabethport  
Diel Mfg. Co. (Electric)...A

N. J.—Harrison  
Storey General Electric Co.  
(Electric, for Flexible  
Shaft) .....AA

N. J.—Jersey City  
Holland Auto. Co. (Autom-  
obile) .....X

N. J.—Newark  
Backus Water Motor Co.,  
174 Penna. Av. (Water).B

Blevney, J. C. (Hydrocar-  
bon) .....X

Seymour & Whitlock, 43  
Lawrence (Water) ....B

N. Y.—Auburn  
Fay & Bowen (Gasoline)...D

N. Y.—Binghamton  
G. & E. Electric & Construc-  
tion Co. (Water).....E

Stow Mfg. Co. (Portable;  
Electric) .....B

N. Y.—Brooklyn  
Houchin & Huber (Gasoline)  
E

Industrial Machine Co., 302  
Pearl (Gasoline) .....E

Regent Auto. & Mach. Co.,  
12 Clinton (Gas; Gasoline  
Automobile) .....X

N. Y.—Buffalo  
Buffalo Gasoline Motor Co.  
(Automobile) .....D

Thomas Motor Co., E. R.  
(Gasoline Automobile;  
Cycle; Gasoline) .....A

N. Y.—Elbridge  
Elbridge Electrical Mfg. Co.  
(Electric) .....C

N. Y.—Fulton  
Hunter Fan & Motor Co.  
(Water) .....B

N. Y.—Long Island City  
Daimler Mfg. Co. (Marine;  
Vehicle Gasoline; Marine  
& Vehicle Gas; Marine &  
Vehicle Oil Fuel) ...AA

New York City  
American Hydraulic Motor  
Co., 116 Nassau (for Gas  
Compressing) .....X

American Impulse Wheel  
Co. (Water) .....E

American Motor Co. (Gaso-

# **MOTORS (Con.)**

line) .....X  
C. & O. Electric Co. (Elec-  
tric; Electric Battery)AA

Compress Air Co., 621 B'way  
(Air) .....AA

Falcon Electric Mfg. Co.,  
432 E. 71st (Electric Fan)  
X

General Incandescent Arc  
Light Co., 572 1st Av.  
(Electric) .....A

Goldmark & Wallace, 67  
Cortlandt (Hurricane Di-  
rect Current Electric Fan)  
D

International Brass & Elec-  
tric Co., 76 Beekman  
(Small Electric) .....D

Jordan Bros., 74 Beekman  
(Organ) .....F

Manhattan Machinery Co.  
(Electric; Automobile Car-  
riage) .....X

Ostrander & Co., W. R.  
(Electric Fan) .....B

Rider Boiler Co., 131 Lib-  
erty (Steam Automobile)  
X

Sprague Electric Co., 527  
W. 34th (Electric; Fan  
Electric) .....AAA

Swan Electric Mfg. Co., 59  
William (Gasoline) ...B

Worthington Pumping En-  
gine Co. (Int. Steam  
Pump Co.) (Water).AAAA

N. Y.—North Tonawanda  
Armitage & Herschell Co.  
(Electric) .....A

N. Y.—Oneida  
Onelda Automobile Co.  
(Steam Automobile) ...F

N. Y.—Orangeburg  
Empire Engine & Motor Co.  
(Pneumatic Crane; Elec-  
tric) .....B

N. Y.—Ossining  
Kipp, Jr., A. (Organ)....D

N. Y.—Rochester  
Burns, M. F., 20 Spring  
(Electric) .....H

Rochester Electric Motor  
Co. (Electric; Direct Con-  
nected) .....F

N. Y.—Schenectady  
General Electric Co. (Elec-  
tric; Electric Crane; In-  
duction; Street & Railway  
Electric; Electric Fan)  
AAAA

N. Y.—Syracuse  
Brennan Motor Co. (Gaso-  
line Automobile) .....F

N. Y.—Troy  
Bernard Co., E. G. (Elec-  
tric; Electric Direct Con-  
nected; Electric Inclosed)  
D

Ross Valve Co. (Organ;  
Water) .....C

OHIO—Akron  
Akron Electrical Mfg. Co.  
(Electric) .....C

Webster, Camp & Lane  
Mach. Co. (Electric) ...A

OHIO—Cincinnati  
Bullock Electric Mfg. Co.  
(Electric; Electric Direct  
Connected; Electric Print-  
ing Press) .....AAAA

Carlisle & Finch Co., 229  
E. Clifton Av. (Water).C

Cincinnati Electric Motor  
Co. (Electric, 1-2 to 10  
h. p.) .....X

Jantz & Lelst Electric Co.,  
808 Elm (Electric, En-  
closed Type 1 1-2 to 15  
h. p.) .....E

Scott, Kornhoff & Co., 682  
Webb (Gasoline, for Ve-  
hicles) .....H

Triumph Electric & Ice Ma-  
chine Co., 610 Baymiller  
(Electric Elevator; Elec-  
tric Direct Connected;  
Electric Printing Press;  
Electric Street & Rail-  
way) .....A

OHIO—Cleveland  
Bishop & Babcock Co., Ha n-

**MOTORS (Con.)**

Ilton cor. Kirtland (Organ Water).....AA  
 Chisholm & Moore Mfg. Co. (Compressed Air).....AA  
 Cleveland Faucet Co. (Water).....AA  
 Elwell-Parker Electric Co. (Slow Speed Electric Automobile).....A  
 Excelsior Elec. Mfg. Co. (Water).....G  
 Lincoln Electric Co. (Automobile; Small Electric; Electric Elevator).....F  
 Ohio Electric Works, 76 Ellen (Battery; Electric Fan; Electric).....F  
**OHIO—Columbus**  
 Columbus Brass Co. (Water).....B  
 Jeffrey Mfg. Co. (Electric).....AA  
**OHIO—Dayton**  
 Bates & Bro., D. L. (Water).....B  
 Dayton Fan & Motor Co. (Water).....C  
 Roberts & Co., Geo. L. (Water).....A  
 Thresher Electric Co. (Automobile; Electric, Direct Connected; Electric Elevator; Electric Enclosed; Electric Multi-Polar).....C  
**OHIO—Loraine**  
 Loraine Steel Co. (Br. Federal Steel Co., N. Y. City) (Street; Railway Electric).....AAAA  
**OHIO—Mansfield**  
 Humphreys Mfg. Co. (Water).....A  
 Phoenix Electric Mfg. Co. (Electric).....B  
**OHIO—Ravenna**  
 Colonial Electric Co. (Direct Current Desk; Ceiling Electric Fan).....B  
**OHIO—Springfield**  
 Leffel & Co., Jas. (Water).....AA  
 Robbins & Myers Co. (Electric; Electric Fan).....B  
**OHIO—Warren**  
 Warren Electric & Specialty Co. (Electric Fan).....A  
**PA.—Erie**  
 Erie City Iron Wks. (Electric; Electric Multi-Polar).....AAAA  
 Federal Electric Co. (Electric).....D  
 Keystone Electric Co. (Electric Elevator; Electric Reversible).....A  
**PA.—Lancaster**  
 Towle Mfg. Co., Geo. C. (Electric Fan).....F  
**PA.—Philadelphia**  
 Baldwin Locomotive Wks. (Burnham, Williams & Co.,) Street Railway Electric).....AAAA  
 Dallett & Co., Thos. H. (Electric).....A  
 Howard Fdry. & Machine Wks. (Electric).....C  
 Motor Vehicle Power Co., 1221 Spg. Garden (Gasoline Automobile).....D  
 Quaker City Electric Co. (Electric).....D  
 Stow Flexible Shaft Co., N. 26th & Buttonwood (Air; Electric for Flexible Shaft; Steam; Compressed Air).....B  
 Underwood & Co., H. B., 1025 Hamilton (Air).....B  
**PA.—Pittsburg**  
 Marshall Bros. (Electric).....AA  
 Porter Co., H. K. (Street; Railway; Steam).....AA  
 Westinghouse Elec. & Mfg. Co., Westinghouse Bldg. (Electric Railway; Electric Street).....AAAA  
**PA.—Reading**  
 Reading Electric Co. (Electric).....B

**MOTORS (Con.)**

**VT.—Montpelier**  
 Lane Mfg. Co. (Water)....A  
**VA.—Richmond**  
 Coffee & Sons (Inc.), R. W. (Gasoline).....F  
**W. VA.—Wheeling**  
 Little, Thos. A. (Water)....C  
**WIS.—Madison**  
 Northern Electrical Mfg. Co. (Electric, 1/2 to 2 H. P.).....A  
**WIS.—Menominee**  
 Submerged Electric Motor Co. (Electric).....C  
**WIS.—Milwaukee**  
 Erwin Hydraulic Machy. Co. 204 Grand Av. (Water)....D  
 Mechanical Appliance Co. (Electric).....C  
 Milwaukee Electric Co. (Electric).....X  
 Pawling & Harnischfeger (Electric).....AA  
**WIS.—Racine**  
 Racine Malleable & Wrought Iron Co. (Water).....B

**MOULDERS**

**CONN.—Thompsonville**  
 Bushnell Press Co., G. H. (Seed Meal).....A  
**MICH.—Saginaw**  
 Werner & Pfleiderer (Dough).....A  
**MO.—St. Louis**  
 Frits, Geo. J. (Seed Meal)....B  
**N. Y.—Buffalo**  
 Holmes Machinery Co., E. & B. (Variable Feed)....B

**MOULDINGS**

See also Woodwork; Pictures

**CONN.—Ansonia**  
 Ansonia Brass & Copper Co. (Copper; Brass; Bronze).....AAAA  
**CONN.—Bridgeport**  
 Bridgeport Brass Co. (Copper; Brass; Bronze)....AAA  
**CONN.—Essex**  
 Essex Wood Turning Co. (Carved; Rope; Twisted; Furniture).....X  
**CONN.—New Haven**  
 Cowles & Co., (Inc.) C. (Metal; Rattan).....A  
 English & Mersick Co. (Carriage).....B  
**CONN.—Torrington**  
 Coe Brass Mfg. Co. (Copper; Brass; Bronze).....AAAA  
**CONN.—Waterbury**  
 Benedict & Burnham Mfg. Co. (Copper; Brass; Bronze).....AAAA  
 Holmes, Booth & Haydens Co. (Copper; Brass; Bronze).....AAAA  
 Plume & Atwood Mfg. Co. (Brass).....AAAA  
 Randolph-Clowes Co. (Brass; Piano; Carriage).....AAA  
**FLA.—Apalachicola**  
 Cypress Lumber Co. (Cypress).....AA  
**GA.—Dawson**  
 Variety Wks. Co. (Sash; Door; Blind).....D  
**ILL.—Chicago**  
 Anderson & Lind, 181 N. May (Embossed).....D  
 Bilek Co., Stephen, 306 S. Clinton (Embossed).....D  
 Boynton & Co., 67 W. Washington (Embossed; Rope; Twisted).....B  
 Brann, J. G., 322 S. Paulina (Steel, for Store Fronts; Stairways; Elev. Enclosures).....A  
 Ehnhorn & Co., C., 214 S. Clinton (Rope; Twisted).....G  
 Foster Munger Co., W. 20th S. Sangamon (Carved; Rope; Twisted).....AA  
 Friedley & Voshart, 196 Mather (Sheet Metal)....A  
 Guger & Co., Jno. A., W.



**MOULDINGS (Con.)**

22nd & Laflin (Carved) AA  
 Hartman, Jno., 13 N. Jefferson (Carved) E  
 Klicka Co., Joseph (Gilt) B  
 Lever Mfg. Co., C. H., 19 N. Jefferson (Electrical Wood) D  
 Mc Kay & Co., A. 792 W. Madison (Carved) D  
 Mueller Bros. Art & Mfg. Co. (Picture Frame) B  
 Noblett Co., E. J., 898 35th (Electrical; Wood) C  
 Palmer, Fuller & Co., 2244 Lumber (Carved) A  
 Prendergast, J. 143 N. Hermitage (Rope; Twisted) F  
 Roberts & Co., E. L., W. 22nd & Union Place (Carved; Rope; Twisted) A  
 Standard Carriage Lamp Co. (Carriage) D  
 Wright & Craycroft, 542 W. 21st (Electrical; Wood) C  
**ILL.—Rock Island**  
 Rock Island Sash & Door Wks. (Embossed) AA  
**IOWA—Clinton**  
 Curtis Bros. & Co. (House Finishing) AAA  
**KY.—Covington**  
 Ohio Scroll & Lumber Co. (Carved; Embossed; Rope & Twisted; Carriage; Furniture) D  
**KY.—Louisville**  
 Central Planing Mill & Lumber Co., 3d & Q. (Carved) D  
**LA.—New Orleans**  
 L'Hote Lumber Mfg. Co., N. Liberty & Toulouse (Embossed; Rope; Twisted) AA  
**LA.—Ramos**  
 Ramos Lumber Mfg. Co., (Ltd.) (Cypress) AA  
**MAINE—Ellsworth**  
 Ellsworth Hdw. Co. (Rope; Twisted, also Ball) E  
**MASS.—Boston**  
 Ceppi & Co., Alexander (Frame) A  
 Cypress Lumber Co., 153 Milk (Cypress) AA  
 Matthews Consolidated Slate Co., 199 Wash'n (Slate) X  
 Stearns Lumber Co., A. T. (Carved) AA  
**MASS.—Springfield**  
 Taber-Prang Art Co. (Frame) AA  
**MICH.—Detroit**  
 Dwight Lumber Co., Cor. Congress & 1st (Carved) A  
 Hargreaves Mfg. Co. (Frame) A  
**MICH.—Grand Rapids**  
 Amer. Carving & Mfg. Co., 900 Granville Av. (Carved; Rope; Twisted; Beaded) D  
 Grand Rapids Carved Moulding Co. (Carved; Rope; Twisted; Frame) X  
 Waddell Mfg. Co. (Carved; Rope; Twisted) B  
**MICH.—Holland**  
 Michigan Toy & Novelty Co. (Carved; Embossed; Rope; Twisted) E  
**MO.—St. Louis**  
 Baxter Moulding Co. (Frame) B  
 Webber Moulding Co., J. R. (Frame) B  
**N. H.—Milford**  
 Pierce & Co., W. E. (Carved; Embossed; Rope; Twisted) D  
 N. J.—Edgewater  
 Hinner's Sons, E. H. (Carved) B  
**N. J.—Newark**  
 Lockwood Mfg. Co. (Carriage) B  
 Schrafft Moulding Co., (Inc.), A., 69 Polk (Picture; Room; Carved; Turned; Casket) C

**MOULDINGS (Con.)**

**N. Y.—Binghamton**  
 Robertson & Son, A. (Frame) AA  
**N. Y.—Brooklyn**  
 Gebhardt, J. F., Calyer & Newell (Embossed) E  
 Johnson Bros., 45 Olsson Av. (Electrical; Wood) B  
 Miller & Doing, 83 Wash'n (Sheet Metal) F  
 White Co., James 446 Adelphi (Sheet Metal) D  
**New York City**  
 Broschart & Braun, 607 W. 130th (Sheet Metal) X  
 Hungerford Brass & Copper Co., U. T., 497 Pearl (Copper; Brass; Bronze) AA  
 Jones & Co., Trevor F., 374 W. B'way (Copper; Brass; Bronze) X  
 Leslie, Jno., 138 W. 15th (Carved) B  
 Lincoln & Co., F. W. (Frame) F  
 Lippe Gold Frame Mfg. Co. (Frame; Gilt) B  
 Manhattan Brass Co., 334 E. 28th (Copper; Brass; Bronze) A  
 Metal Stamping Co. (Metal; Carriage) A  
 New York Carved Moulding Co., 771 1st Av. (Carved; Embossed; Rope; Twisted) D  
 Parker, Edwin C., 519 W. 30th (Carved) F  
 Saulpaugh's Sons, J. M., 706 E. 12th (Electrical; Wood) D  
 U. S. Frame & Picture Co. (Frame) D  
**N. Y.—Portchester**  
 Mertz's Sons, Geo. (Embossed; Rope; Twisted) B  
**N. Y.—Rochester**  
 Gills & Co., J. W. (Frame) A  
 Nat'l Casket Co. (Casket) AAAA  
**N. Y.—Rome**  
 Rome Brass & Copper Co. (Copper; Brass; Bronze) AAAA  
**OHIO—Cincinnati**  
 Lee, Thos., 209 Race (Circular Sheet Metal) C  
 Reuhl Moulding Mfg. Co. (Frame) A  
 Stoehr Co., A., 1911 Elm (Embossed) G  
**OHIO—Cleveland**  
 Schaber, Reinthal & Co. (Hardwood; Bronze; Gilt) AA  
**OHIO—Columbus**  
 Nelson Co., C. T. (Carved) D  
**OHIO—Salem**  
 Mullins, W. H. (Sheet Metal) A  
**OHIO—Toledo**  
 Toledo Moulding Co. (Bronze; Frame; Gilt) A  
**PA.—Pen Argyl**  
 Fitzgerald, Speer & Co. (Embossed) A  
**PA.—Philadelphia**  
 Hall & Garrison Mfg. Co., 1124 Washn. (Carved) X  
 Shelp Mfg. Co., H. H., 529 Columbia Av. (Electrical; Wood) AA  
**PA.—Pittsburg**  
 Diebold Lumber & Mfg. Co., 99 Wabash (Embossed) A  
**WIS.—Milwaukee**  
 Ponpert Mfg. Co., Geo., 419 Poplar (Carved) A  
**WIS.—Oshkosh**  
 Gould Mfg. Co., (Carved) A  
 Mc Millen Co., R. (Carved) A  
 Morgan Co. (Carved; Rope; Twisted) AA  
 Paine Lumber Co. (Embossed) AAAA

**MOULDS**

**COLO.—Denver**

**MOULDS (Con.)**  
 Creswell Mfg. Co., Jas. (Tack) .....A  
**CONN.—Danielson**  
 Warren & Danielson (Butter) .....D  
**CONN.—Lebanon**  
 Turner, Robert E. (Butter) .....D  
**CONN.—New Haven**  
 Hoggson & Pettis Mfg. Co. (Rubber) .....A  
 Ideal Mfg. Co. (Bullet).....C  
 Peck Bros. & Co. (Tack).....A  
**CONN.—South Windham**  
 Smith & Winchester Co. (Cylinder) .....A  
**ILL.—Chicago**  
 Allis-Chalmers Co., Home Ins. Bldg. (Ingot; Bullion) .....AAAA  
 Creamery Package Mfg. Co. (Butter) .....AAAA  
 Crosby & Co., G. A. (Soldier) .....X  
 Elmes Engineering Wks., Chas. F., Fulton Cor. N. Morgan (Rubber; Tire).....A  
 Street & Kent Mfg. Co., 41 Fulton (Tack) .....D  
 Wolff Mfg. Co., L., 117 W. Lake (Tack) .....AAAA  
**ILL.—Decatur**  
 Mueller Mfg. Co., H. (Tack; Lead; Flange; Lead Tack) .....A  
**ILL.—Quincy**  
 Modern Iron Wks. (Half Round Bar Solder) .....B  
**IND.—Indianapolis**  
 Potts & Co., (Inc.), C. A. (Brick) .....B  
**IND.—Richmond**  
 Richmond Machine Wks. (Brick) .....B  
**IOWA—Davenport**  
 Sternberg Mfg. Co. (Cigar) .....D  
**IOWA—Keokuck**  
 Scott Mfg. Co. (Brick).....E  
**KANS.—Fort Scott**  
 Fort Scott Fdy. & Machine Co., (C. Eller) (Ingot).....H  
**MASS.—Boston**  
 National Machine Co. (Rubber) .....A  
 Steers, Wm. (Rubber).....F  
**MASS.—Cambridge**  
 Barbour-Stockwell Co. (Rubber) .....A  
**MASS.—Haydenville**  
 Haydenville Co. (Soldier; Tack) .....B  
**MASS.—Springfield**  
 Cheney-Bigelow Wire Wks. (Cylinder) .....A  
 Springfield Brass Co. (Tack) .....X  
**MASS.—Taunton**  
 Wheeler, Geo. H. (Brick).....F  
**MASS.—Williamsburg**  
 Hill Bros. & Co. (Button).....C  
**MICH.—Kalkaska**  
 Freeman Mfg. Co. (Butter) .....B  
**MASS.—Ludington**  
 Ludington Woodenware Co. (Butter) .....B  
**MO.—St. Louis**  
 Fernholtz Brick Machinery Co., Boyle & Old Manchester Aves. (Brick).....E  
 Kupferle, Jno. O., 2nd & Mound (Soldier) .....A  
**N. J.—Belleville**  
 Eastwood Wire Mfg. Co. (Cylinder) .....A  
**N. J.—Bridgeton**  
 More-Jonas Glass Co. (Bottle) .....X  
**N. J.—Newark**  
 Bernz, Otto, S. 13th & S. Orange Av. (Lead Casting; Solder; Tack) .....B  
 Brass Founders' Supply Co. (Brass) .....E  
 Osborne & Co., C. S. (Soldier) .....B  
 Sayre & Co., L. A. (Soldier) .....B  
**N. J.—New Brunswick**  
 Empire Machine & Fdy. Co. (Rubber) .....X

**MOULDS (Con.)**  
**N. J.—Paterson**  
 Royle & Sons, Jno. (Rubber) .....A  
**N. J.—Salem**  
 Ayres Machine Co. (Glass House) .....B  
**N. J.—Trenton**  
 Empire Rubber Co. (Rubber) .....A  
 Home Rubber Co. (Rubber) .....AA  
**N. Y.—Albany**  
 Dederick's Sons, P. K. (Brick) .....AA  
**N. Y.—Brooklyn**  
 Fanning, J. P., 678 Jeff'n (Lead Casting, for Bab-bitt Metal; Solder; Bar Lead; Bullets) .....E  
 Sweeney Mfg. Co., W. H. (Cake; Ice Cream; Jelly; Pudding) .....B  
 Vogel & Bros., Wm. (Confectioners) .....AA  
**N. Y.—Buffalo**  
 Shepard & Co., Sidney (Candle) .....AAAA  
**N. Y.—Geneva**  
 Chapman, C. A. (Cake).....E  
**N. Y.—Grassy Point**  
 Wiles Co., Alfred M. & W. H. (Brick) .....B  
**New York City**  
 Behr & Co., Herman (Glassware) .....AA  
 Brooks & Co. (Glassware; Rubber Solder) .....E  
 Consolidated Fruit Jar Co., 290 B'way (Glass Mfrs.) .....AA  
 Crandall & Godley (Ice-Cream) .....AA  
 Eppelsheimer & Co. (Confectioners; Chocolate).....E  
 Hart, William (Ice Cream) .....A  
 Houchin Co., Thos. W. (Candle) .....D  
 Knapp Mfg. Co., 22 Frank-fort (Tack) .....D  
 Kulenkampff Mfg. Co., 62 Centre (Confectioners').....F  
 Lalanc & Grosjean Mfg. Co. (Cake; Jelly; Ice Cream; Pudding; Confectioners') .....AAAA  
 Mott Iron Wks., J. L. 88 Beekman (Soldier) .....AA  
 Stoutenborough, X. (Cake; Ice Cream; Pudding).....D  
 Wicke Co., Wm. (Cigar).....A  
**N. Y.—Walkill**  
 Crowell & Son, J. B. (Brick) .....E  
**OHIO—Bellaire**  
 Rodefer Bros. (Glass; Special) .....A  
**OHIO—Cambridge**  
 Cambridge Fdy. Co. (Glass House) .....F  
**OHIO—Cincinnati**  
 American Cigar Mould Co. (Cigar) .....D  
 Laidlaw-Dunn-Gordon Co. (Br. Int. Steam Pump Co., N. Y. City) (Plug Tobacco) .....AAAA  
 Mc Gowan Co., Jno. H. (Plug Tobacco) .....A  
 Miller, Duburli & Peters Mfg. Co. (Cigar) .....B  
 Obermayer Co., S., 647 Evans (Ingot) .....A  
 Randall & Co. (Harness).....D  
**OHIO—Cleveland**  
 Smith Fdy. Supply Co., J. D., 40 S. Water (Ingot) .....D  
 Ulmer & Co., J. C., 225 Champlain (Cement).....H  
**OHIO—Dayton**  
 New Century Mfg. Co. (Confectioners' Rubber) .....E  
 Raymond & Co., Chas. W. (Brick) .....A  
**OHIO—Hamilton**  
 Black & Clawson Co., (Cylinder) .....AA  
**OHIO—Lorain**  
 Lorain F'dry Co. (Ingot).....A  
**OHIO—New London**  
 Arnold. Creager Co.

**MOULDS (Con.)**

(Brick) .....C  
**OHIO—Portsmouth**  
 Simpson Bros. (Fire Brick) .....E  
**OHIO—Zanesville**  
 Griffith and Wedge Co.  
 (Ingot) .....A  
 Union Machine Co. (Glass) .....B  
**PA.—Allegheny**  
 Rosedale Foundry Co.  
 (Steel) .....B  
**PA.—Erie**  
 Griswold Mfg. Co. (Soldier) .....A  
**PA.—Harrisburg**  
 Harrisburg Pipe Bending  
 Co. (Ltd.) (Ice) .....AA  
**PA.—Lancaster**  
 Martin Brick Machine Mfg.  
 Co., Henry (Brick) .....B  
**PA.—New Castle**  
 Penn. Engineering Wks.  
 (Ingot) .....A  
 Vulcan F'dy & Machine Co.  
 (Ingot) .....B  
**PA.—Philadelphia**  
 Clad & Sons, Valentine  
 (Ice Cream) .....A  
**PA.—Phoenixville**  
 Logan Mfg. Co. (Ingot) .....B  
**PA.—Pittsburg**  
 Bailey-Farrell Mfg. Co.  
 (Tack) .....AA  
 Blair & Co., Reed F.  
 (Ingot) .....C  
 Mc Kee, W. S., 231 1st Av.  
 (Glass House) .....D  
 Marshall Foundry, 28th &  
 R. R. (Steel Ingot) AAA  
 Mesta Machine Co. (Steel  
 Ingot) .....AAA  
 Phillips & Mc Laren  
 (Brick) .....B  
 Pittsburg Mfg. Co., 28th R.  
 R. (Ingot) .....A  
 United Engineering & F'dy  
 Co., 54th & A. V. Ry.  
 (Steel Ingot) .....AAAA  
 Mather Mfg. Co. (Lead;  
 Plug) .....AA  
 Mills & Bros., Thos. (Ice  
 Cream) .....A  
 Paxson Co., J. W., 1021 N.  
 Del. Av. (Ingot) .....AA  
 Phila. Tool & Machine Co.  
 (Ingot) .....A  
 Reid, A. H. (Butter) .....A  
 Wirz, A. H. (Suppository) .....A  
 Yagle & Co., (Ltd.), Wm.,  
 500 32nd (Ingot) .....C  
 Yockel & Sons, Chas., 1220  
 N. Lawrence (Glass) ...D  
**PA.—Rankin Station**  
 Duquesne Forge Co. (Print-  
 ers' Rollers) .....A  
**PA.—Sharpsville**  
 West F'dy Co., Thos. D.  
 (Steel Ingot) .....B  
**PA.—South Bethlehem**  
 Bethlehem Steel Co. (Ingot)  
 .....AAAA  
**PA.—Uniontown**  
 Evans Mold & Machine Co.  
 (Glass House) .....X  
**PA.—Wheatland**  
 Sharon F'dy Co. (Steel  
 Ingot) .....AA  
**R. I.—Pawtucket**  
 Atwood, Crawford Co.  
 (Button; Tassel) .....B  
**R. I.—Providence**  
 Miller Iron Co. (Soldier) ..B  
**VT.—Bellows Falls**  
 Vermont Farm Machine Co.  
 (Butter) .....C  
**VT.—Rutland**  
 Moseley & Stoddard Mfg.  
 Co. (Butter) .....B  
**VA.—Richmond**  
 Cardwell Machine Co.  
 (Plug Tobacco) .....A  
**W. VA.—New Cumberland**  
 Davis-Price Fdy. & Mchy.  
 Co. (Brick) .....C  
**W. VA.—Wheeling**  
 Central Fdy. & Machine Co.  
 (Glass House) .....C  
 Wheeling Mold & F'dy Co.  
 (Ingot; Glass House) ...A

**MOULDS (Con.)**

**WIS.—Beloit**  
 Beloit Iron Wks. (Cylinder) .....A  
**WIS.—Fort Atkinson**  
 Cornish, Curtis & Green  
 Mfg. Co. (Butter) .....A  
**WIS.—Milwaukee**  
 Allis-Chalmers Co. (Bul-  
 lion) .....AAAA  
 Rundle-Spence Mfg. Co.  
 (Tack) .....AAAA  
 Schwab & Sons, R. J.  
 (Cement) .....AA  
**WIS.—Sheboygan**  
 Sheboygan Cigar Mould Co.  
 (Cigar) .....C

**MOUNTINGS**

See also Jewelry; Trim-  
 mings; Hardware; Car-  
 riage

**CONN.—Bridgeport**  
 White Mfg. Co. (Carriage &  
 Hearse) .....B  
**CONN.—Mt. Carmel**  
 Woodruff & Sons, Walter  
 W. (Coach; Carriage) ...A  
**CONN.—New Haven**  
 Fitch Co., W. & E. T.  
 (Harness) .....A  
**CONN.—Waterbury**  
 Novelty Mfg. Co. (Cane;  
 Umbrella; Smoking) ...A  
**ILL.—Chicago**  
 Hanish Bros. Mfg. Co., 2489  
 W. Lake (Harness) ....E  
**ILL.—Sterling**  
 Rock Falls Mfg. Co.  
 (Hearse) .....A  
**MD.—Baltimore**  
 Day, Son & Co., O. F.  
 (Harness) .....C  
**MASS.—Amesbury**  
 Atwood Mfg. Co. (Coach;  
 Carriage; Carriage Lamp)  
 .....O  
 Gray & Davis (Coach  
 Carriage) .....C  
**MASS.—Chicope**  
 Ames Sword Co. (Regalia;  
 Belt; Sword) .....B  
**N. J.—Newark**  
 Conlon & Co., B. (Bag) ..B  
 Gould's Son Co., (Bag) ...A  
 Greacen & Co., Walter  
 (Coach; Carriage; Har-  
 ness) .....E  
 Harper, W. J., 229 Mulberry  
 (Hearse) .....E  
 Jenkinson & Co., R. C.  
 (Bag) .....AA  
 Lochwood Mfg. Co. (Coach;  
 Carriage; Carriage Lamp)  
 .....B  
 Sargeant Mfg. Co. (Har-  
 nes) .....A  
 Searle Mfg. Co. (Coach;  
 Carriage) .....B  
**New York City**  
 Deeley & Co., Robert  
 (Sugar Machinery) .....A  
 Johnson, Hayward & Piper,  
 590 B'way (Comb) .....B  
 Winckler & Son, L. (Cane;  
 Umbrella; Whip; Smok-  
 ing) .....C  
**N. Y.—Utica**  
 Clark, Horrocks Co. (Fish-  
 in Rod) .....A  
**OHIO—Canton**  
 Elbel Co. (Harness) .....A  
**OHIO—Cincinnati**  
 Corcoran's Sons, Thos. H.  
 (Coach; Carriage; Hearse)  
 .....B  
 Monarch Carriage Goods Co.  
 (Coach; Carriage) .....B  
**PA.—Lancaster**  
 Lancaster Silver Plate Co.  
 (Umbrella) .....C  
**PA.—Philadelphia**  
 Chesterman & Co., F. E.,  
 243 Arch (Harness) ....D  
 Evans & Son, S. W.  
 (Umbrella; Whips) ....B  
 Simons Bros. & Co. (Cane;  
 Umbrella) .....A  
**R. D.—Prvidence**  
 Briggs & Sons Co., J.  
 (Umbrella) .....A

**MOUNTINGS (Con.)**  
 Dover Co., Geo. W.  
 (Umbrella) .....B

## MOUNTS

**MASS.—Holyoke**  
 Whitmore Mfg. Co.  
 (Photograph) .....A  
**New York City**  
 Gennert, G. (Photograph).B  
 Trier & Bergfield  
 (Photograph) .....B  
**PA.—Philadelphia**  
 Collins Mfg. Co., A. M.  
 (Photograph) .....AA  
**R. I.—Providence**  
 American & British Mfg.  
 Co. (Gun) .....AAA

## MOUTHPIECES

**MASS.—Springfield**  
 Dickinson Hard Rubber Co.  
 (Telephone) .....X  
**MINN.—St. Paul**  
 Rauscher, John, 98 W. 3d  
 (Telephone) .....H  
**N. Y.—Brooklyn**  
 Electrose Mfg. Co., 127 N.  
 10th (Transmitters Tele-  
 phone) .....B  
**New York City**  
 Amer. Hard Rubber Co., 9  
 Mercer (Telephone).AAAA  
 Vulcanized Rubber Co., 568  
 B'way (Telephone) ....A  
**OHIO—East Liverpool**  
 Thomas & Sons Co., R.  
 (Telephone) .....A  
**PA.—Scranton**  
 Everhart Brass Wks.  
 (Speaking Tube) .....A

## MOVEMENTS

See also Watches; Clocks  
**CONN.—Ansonia**  
 Phelps & Bartholomew Co.  
 (Clock) .....D  
**CONN.—Bridgeport**  
 Bridgeport Brass Co.  
 (Clock) .....AAA  
**CONN.—Bristol**  
 Bristol Brass Co. (Clock)  
 ....AAA  
**CONN.—New Haven**  
 New Haven Clock Co.  
 (Clock) .....AAA  
 Reeves Mfg. Co. (Clock for  
 Meters; Gauges, etc.)...C  
**CONN.—Thomaston**  
 Thomas Clock Co., Seth  
 (Clock) .....AAA  
**CONN.—Waterbury**  
 Waterbury Clock Co. (Clock  
 for Meters; Gauges, etc)  
 ....AAAA  
 Waterbury Electric Co.  
 (Electric) .....F  
 Waterbury Mfg. Co.  
 (Steam Gauge) .....AAAA  
**CONN.—Winsted**  
 Gilbert Clock Co., Wm. L.  
 (Clock) .....AA  
**ILL.—Chicago**  
 Elgin Nat'l Watch Co.  
 (Watch) .....AAAA  
**MASS.—Boston**  
 Crosby Steam Gauge &  
 & Valve Co. (Steam  
 Gauge) .....AA  
 Star Brass Mfg. Co.,  
 (Steam Gauge) .....A  
**MASS.—Lynn**  
 Flego, Alex. J. R. (Clock  
 for Meters; Gauges, etc.)  
 H  
**N. J.—Newark**  
 Plumb, David S., 24 Boud-  
 inot (Clock for Meters;  
 Gauges, etc. Electrical  
 Clock; Steam Gauge)....D  
**New York City**  
 Ansonia Clock Co. (Clock)  
 ....AAAA  
 Doll Mfg. Co., W. F.  
 (Watch) .....D

## MOVERS

**ILL.—Chicago**

**MOVERS (Con.)**  
 Borden & Seneck Co., 48  
 Lake (Double Clutch)...B  
 Fairbanks, Morse & Co.,  
 Franklin & Monroe (Car)  
 AAAAA  
 Hoisting & Conveying Ma-  
 chinery Co., 44 N. Eliz-  
 abeth (Car) .....E  
 Railway Appliances Co., Old  
 Colony Bldg. (Car)....A  
 Skilling & Richards Mfg.  
 Co., 147 Fulton (Car)..C  
 Stafford & Bros., E. H. 262  
 Wabash (Car) .....C  
 Webster Mfg. Co., 1075 W.  
 15th (Car) .....E  
**ILL.—Marseilles**  
 Marseilles Mfg. Co. (Car)  
 A

**ILL.—Moline**  
 Barnard & Leas Mfg. Co.  
 (Car) .....AA  
**IND.—Indianapolis**  
 Nordyke & Marmon Co.  
 (Car) .....AAA  
**IND.—Mishawaka**  
 Dodge Mfg. Co. (Car).AAA  
**MASS.—Boston**  
 Boston & Lockport Block  
 Co. (Car) .....A  
 Pearson Co., Jack, 64 Fed-  
 eral (Car) .....G  
 Woodman Mfg. & Supply  
 Co., 63 Oliver (Car)....F  
**MICH.—Detroit**  
 Buhl Malleable Co., Wight  
 & Adair (Car) .....A  
**MICH.—Kalamazoo**  
 Kalamazoo Railway Supply  
 Co. (Car) .....B  
**MINN.—Minneapolis**  
 Howell & Co., R. R. (Car)  
 B

**MO.—St. Louis**  
 Cahill, Swift Mfg. Co., 20  
 S. 12th (Car) .....B  
 Zelnicker Supply Co., Wal-  
 ter A., 408 N. 4th (Car;  
 Double Clutch) .....A  
**OHIO—Alliance**  
 Morgan Engineering Co.  
 (Car) .....AAAA  
**OHIO—Cleveland**  
 Osborn Mfg. Co. (Car)....B  
**OHIO—Dayton**  
 Boyer-Bradford Mfg. Co.  
 (Car) .....C  
**PA.—Pittsburg**  
 Eichley Co., John, Jr.  
 (House) .....A  
**WIS.—Appleton**  
 Appleton Car Mover Co.  
 (Car) .....H

## MOWERS

See also Agricultural  
 Implements  
**ILL.—Chicago**  
 Lawson Mfg. Co., (Lawn).E  
**ILL.—Dixon**  
 Clipper Lawn Mower Co.  
 (Lawn) .....D  
**IND.—Richmond**  
 Dille & Mc Guire Mfg. Co.  
 (Lawn) .....C  
 F. & N. Lawn Mower Co.  
 A  
**MASS.—North Attleboro**  
 Blackington Co., W. S.  
 (Lawn) .....A  
**MASS.—Springfield**  
 Blair Mfg. Co. (Lawn)...B  
 Rogers Iron Wks. (Lawn)  
 O  
 Thomas Mfg. Co. (Lawn)  
 AAA  
**N. Y.—Newburg**  
 Caldwell Lawn Mower Co.  
 (Lawn) .....A  
**OHIO—Akron**  
 Whitman & Barnes Mfg.  
 Co. (Lawn) .....AAAA  
**OHIO—Canton**  
 Ney Mfg. Co. (Lawn)....B  
**OHIO—Springfield**  
 Mast, Foos & Co. (Lawn)  
 AA  
**PA.—Philadelphia**  
 Enterprise Mfg. Co. (Lawn)  
 AAAAA

**MOWERS (Con.)**  
 Philadelphia Lawn Mower  
 Co., 3100 Chestnut (Lawn) B  
 Supplee Hdw. Co. (Lawn) AA

## MUCILAGE

**COLO.—Denver**  
 Cannon, W. F. ....D  
**CONN.—Hartford**  
 Barber Ink Co. ....D  
**ILL.—Chicago**  
 Sanford Mfg. Co. ....B  
 Thomas Co., L. H. ....D  
**MD.—Baltimore**  
 Mc Cormick & Co. ....D  
**MASS.—Boston**  
 Carters' Ink Co. ....A  
**MASS.—Cambridge**  
 Whittemore Bros. Co. ....AA  
**MASS.—Gloucester**  
 Gloucester Isinglass & Glue  
 Co. ....A  
 Russia Cement Co. ....A  
**MICH.—Detroit**  
 Keller Ink Co., Robt. ....F  
 Michigan Paste & Mfg. Co. F  
**MO.—St. Louis**  
 Levison & Blyth Mfg. Co.,  
 209 Locust ....E  
**N. J.—Newark**  
 Dovell Son Mfg. Co., R. B. D  
 Pomeroy Co., I. ....F  
**N. J.—Rahway**  
 Harrison Mfg. Co. ....F  
**N. Y.—Brooklyn**  
 Higgins & Co., Chas. M.,  
 271 9th. ....A  
 New York City  
 Arabol Mfg. Co., 100 Wil-  
 liam ....A  
 Davids Co., Thaddeus, 127  
 William ....C  
 Moss, George A., 165  
 Reade ....X  
 Soltmann, E. G., 125 E.  
 42 (Drawing Board; Li-  
 brary) ....B  
 Stafford, S. S., 603 Wash-  
 ington ....B  
**N. Y.—Rochester**  
 Dutcher, M. H. ....E  
**PA.—Philadelphia**  
 Continental Mfg. Co. ....D  
 Diamond & Onyx, 317 De  
 Lancey ....B  
 Mann Co., Wm. ....AA  
**WIS.—Milwaukee**  
 Diamond Ink Co., Irving  
 Pl. & Bartlett. ....D

## MUDDLERS

**N. J.—Newark**  
 Sommer's Son John (Wood-  
 en) ....A

## MUFFLERS

See also Neckwear

**CONN.—South Manchester**  
 Cheney Bros. ....AAAA  
**KY.—Louisville**  
 Moran Flexible Steam  
 Joint Co. (Exhaust) ....E  
**MICH.—Detroit**  
 Briscoe Mfg. Co., 1427  
 Woodward Av. (Automo-  
 bile) ....A  
**N. J.—Paterson**  
 Dexter Lambert & Co. AAAA  
**New York City**  
 Roberts & Bros., Geo. I  
 (Exhaust) ....A  
 Standard Steam Specialty  
 Co., 542 W. B'way (Ex-  
 haust) ....D  
**OHIO—Cuyahoga Falls**  
 Turner, Vaughan & Taylor  
 Co., (Annealing) ....B  
**VT.—Rutland**  
 Rutland Fire Clay Co  
 (Enamellers') ....B

## MUFFLES

**COLO.—Denver**

**MUFFLES (Con.)**  
 Denver Fire Clay Co. (Clay)  
 AA  
**N. Y.—Brooklyn**  
 Brooklyn Fire Brick Wks.  
 (Enamelling) .....A  
 New York City  
 Maurer & Son, Henry, 420  
 E. 23d (Assay) .....AA

## MUFFS

**IND.—La Grange**  
 La Grange Robe & Fur Co.  
 (Fur) .....H  
**MO.—St. Louis**  
 Singer Bros. (Fur) ....AA  
**N. Y.—College Point**  
 Kleinert Rubber Co., Isaac  
 B. (Ear) .....X  
 New York City  
 Frankenthal Bros. Co.  
 (Plush) .....D  
 Gunther's Sons, O. G. (Fur)  
 AAA  
 Kessler Bros. & Schachter  
 E  
 Kleinert Rubber Co., I. B.,  
 725 B'way (Ear) .....A  
 Kohn & Bear, 597 B'way  
 (Fur) .....A  
 Mischo & Muller (Fur) ...B  
 Reineman, Albert (Fur;  
 Plush) .....D

## MUGS

See also Silverware; Enam-  
 elled Ware; Chinaware

**CONN.—Meriden..**  
 Manning, Bowman & Co.  
 (Enameled) .....AA  
**MO.—St. Louis**  
 St. Louis Stamping Co.  
 (Enameled) .....AAAA  
 New York City  
 Lalance & Grosjean Mfg.  
 Co. (Enameled) ..AAAA  
**OHIO—Newark**  
 Helsey & Co., A. H. (Inc.)  
 (Beer) .....A  
**OHIO—Toledo**  
 Libbey Glass Co. (Beer)  
 AA  
**PA.—Beaver Falls**  
 Co-Operative Flint Glass Co.  
 (Beer) .....A  
**PA.—Philadelphia**  
 Gillinder & Sons (Inc.)  
 (Beer) .....A  
**PA.—Pittsburg**  
 Mc Kee Glass Co., S. (Beer)  
 D  
**W. VA.—Moundsville**  
 Fostoria Glass Co. (Beer)  
 AAA  
**W. VA.—Wellsburg**  
 Riverside Glass Wks (Beer)  
 C  
**W. VA.—Wheeling**  
 Central Glass Wks. (Beer)  
 A  
 North Wheeling Glass Co.  
 (Inc.) (Beer) .....A

## MULFS

**MASS.—Boston**  
 Firth Co. Wm., 150 Devon-  
 shire (Cotton; Self-Acting  
 Worsted) .....D  
 Lowe, Stephan C., 186 De-  
 vonshire (Cotton; Self-  
 Acting; Woolen) .....B  
 McKerrow & Co., H. G., 31  
 State (Cotton; Self-Act-  
 ing) .....X  
 Riley & Co., C. E., 65  
 Franklin (Self-Acting Cot-  
 ton; Woolen; Worsted)  
 A  
 Stoddard, Haserick, Ri-  
 chards Co., 152 Congress  
 (Self Acting; Woolen;  
 Worsted) .....B  
**MASS.—Lowell**  
 Lowell Machine Shop (Cot-  
 ton; Woolen) .....AAAA  
**MASS.—Newton Upper Falls**  
 Saco & Pettee Machine  
 Shops (Cotton) ....AAA  
**MASS.—Taunton**

**MULES (Con.)**

Mason Machine Wks (Cotton; Self-Acting) ....AA

**MASS.—Worcester**

Amer. Card Clothing Co. (Woolen) .....AAA

Johnson & Bassett (Woolen) A

**PA.—Philadelphia**

Diamond Textile Machine Wks. (Cotton; Worsted) E

Smith Woolen Mch. Co., Jas., 41 Race (Self-Acting; English; Moulton Styes; Woolen) .....AA

**R. I.—Pawtucket**

Brown Machine Co., Jas. (Cotton; Self-Acting) A

**MUSIC GOODS****LEATHER****MASS.—Worcester**

Warren Leather Goods Co. A

*Manufacturers of Music Rolls and Satchels, Violin Cases, Guitar Cases, Banjo Cases, Mandolin Cases, Music Folios, Cornet Cases, Music Stand Cases.*

**MUSICAL****INSTRUMENTS**

See Appendix

**MUSKETS****CONN.—New Haven**

Marlin Fire Arms Co. (Repeating) .....AA

**MUSLIN**

See Cotton Goods

**MUSTARD**

See Condiments; Relishes

**MUTTON**

See Meat Packers

**MUZZLES****CONN.—Georgetown**

Gilbert & Bennett Mfg. Co. (Horse; Ox) .....AAA

**CONN.—Southport**

Jeliff Mfg. Corporation, C. O. (Ox) .....C

**CONN.—Torrington**

Union Hdw. Co. (Dog) AA

**ILL.—Chicago**

Barbee Wire & Iron Wks. (Dog; Horse; Ox) .....B

Cook & Bros., E. C. (Dog; Horse) .....A

**IOWA.—Carroll**

Carroll Muzzle Co. (Calves; Colt; Cow) .....C

**MASS.—Worcester**

Hamblin & Russell Mfg. Co. (Horse; Ox) .....B

National Mfg. Co. (Dog) A

Wire Goods Co. (Horse; Ox) A

Wright Wire Co. ....AA

**MO.—St. Louis**

Ludlow-Saylor Wire Co. AA

**N. J.—Newark**

Peters Harness & Saddlery Co. (Horse) .....C

**New York City**

Medford Fancy Goods Co., 75 Duane (Dog) .....E

**OHIO.—Cincinnati**

Bromwell Brush & Wire Goods Co. (Horse; Ox) AA

**OHIO.—Hamilton**

Meyers Mfg. Co., Fred. J. (Horse; Ox) .....B

**PA.—Philadelphia**

Darby & Sons, Edward (Horse; Ox) .....A

**MYRBANE****N. Y.—Buffalo**

Schoellkopf, Hartford & Hanna Co. ....AAA

**New York City**

Berlin Aniline Wks. ....B

Selling Co., The .....C

**PA.—Philadelphia**

Barrett Mfg. Co. ....AAAA

**NAILS**

See also Hardware; Carriage, etc.

**CAL.—San Francisco**

Judson Mfg. Co., Howard & Beale (Cut; Shoe; Wire; Horse) .....AA

**COLO.—Denver**

Colorado Fuel & Iron Co. (Wire) .....AAAA

**CONN.—Bridgeport**

Bridgeport Brass Co. (Brass; Copper) .....AA

Canfield, H. O. (Fender) ..D

Knapp & Cowles Mfg. Co. (Rubber) .....C

**CONN.—Derby**

Shelton Co. (Small; Brush; Copper; Clout; Cut; Shoe; Wagon Hinge, etc.) ....A

**CONN.—Hartford**

Capewell Horse Nail Co. (Horse) .....AA

CONN.—Mt. Carmel

Woodruff & Sons, Walter W. (Band; Name Plate) A

**CONN.—New Britain**

American Hdw. Co. (Picture) .....AAAA

Stanley Wks. (Basket; Box; Cigar Box; Finishing; Hob; Hungarian; Iron) AAA

**CONN.—New Haven**

Cowles & Co., C. (Inc.) (Cloth Covered; Lining) A

Griffey Co. (Picture) ....B

Natl. Steel & Wire Co. (Small; Wire) .....AAAA

New Haven Wire Mfg. Co. (Wire Finishing) .....C

**CONN.—Norwich**

Ossawan Mills Co. (Gilt; Picture; Cupped Brass; Upholstery) .....B

**CONN.—Seymour**

Fowler Nail Co. (Horse) ..A

**CONN.—Torrington**

Eagle Bicycle Mfg. Co. (Horse) .....A

Torrington Mfg. Co. (Small Furniture; Upholstery), C

Turner & Seymour Mfg. Co. (Picture; Gilt; Screw Head) .....A

**CONN.—Waterbury**

Amer. Ring Co. (Brass Headed; Copper; Cut; Upholstery) .....A

Blake & Johnson (Copper) A

White Co., L. C. (Cloth Covered; Saddle) .....D

**CONN.—Waterville**

Berbecker & Rowland Mfg. Co. (Brass; Copper) ....C

**ILL.—Belleville**

Hartman, Hays & Reis (Small) .....AA

Stanley Co., Geo. W. (Barrel; Clout; Hoop; Small Wire; Cut) .....F

**ILL.—Chicago**

Amer. Steel & Wire Co. Rookery (Barrel; Box; Brass; Copper; Casing; Clinch; Finishing; Roofing; Slatting; Small; Wire, all sizes) .....AAAA

Chicago Tack Co. (Basket; Chair; Finishing; Hungarian; Lining Saddle; Shoe; Small; Trunk; Wire) ...B

Grand Crossing Tack Co. (Brass; Copper; Roofing; Slatting; Shoe; Wire, all sizes; Box; Cigar Box; Heel; Hob; Iron; Lining; Saddle; Steel; Trunk; Clout; Cut; Last) .....A

Illinois Nail Co., 3 Dix (Wire; Cement Coated), A

# **NAILS (Con.)**

Republic Iron & Steel Co.,  
Stock Exchange Bldg.  
(Cut) .....AAAA  
Union Horse Nail Co., 583  
W. 22d (Horse) .....B  
Wilson & Co., C. S., Rialto  
Bldg. (Cement Coated), D  
**ILL.—East St. Louis**  
New Process Steel & Wire  
Co. (Wire) .....A  
**ILL.—Kankakee**  
Kankakee Nail Co. (Horse)  
X  
**ILL.—Sterling**  
Dillon-Griswold Wire Co.  
(Wire, all sizes) .....A  
Lawrence Bros. (Wire) ...AA  
Northwestern Barb Wire Co.  
(Wire) .....A  
**IND.—Crawfordsville**  
Crawfordsville Wire & Nail  
Co. (Wire) .....B  
**IND.—Hammond**  
Chicago Steel Mfg. Co. (Cut;  
Steel; Iron) .....X  
**IND.—Kokomo**  
Kokomo Steel & Wire Co.  
(Barrel; Box; Casing;  
Clinch; Finishing; Roof-  
ing; Slating; Wire), AAA  
**IND.—Madison**  
Tower Mfg. Co. (Clout; Fin-  
ishing; Small Hoop; Bas-  
ket; Cigar Box; Roofing;  
Slating; Shoe; Trunk;  
Wire; Steel; Heel) .....C  
**IND.—Muncie**  
Indiana Steel & Wire Co.  
(Wire) .....A  
**KY.—Ashland**  
Norton Iron Wks. (Inc.)  
(Cut; Wire; Steel) ...AA  
**MASS.—Boston**  
Baker & Co., Chas. F.  
(Wire) .....A  
Pearson & Co., J. O., 180  
State (Cement Coated)  
AAAA  
Putnam Nail Co. (Horse)  
AA  
**MASS.—Bridgewater**  
Miller's Sons, H. J. (Genu-  
ine Iron Shingle; Shoe;  
Machine Shoe; Cut; Horse-  
shoe; Wire) .....D  
**MASS.—Brookton**  
Cross & Co., W. W. (Shoe)  
B  
**MASS.—Lynn**  
Houghton & Sons, Jas.  
(Shoe) .....X  
AA  
**MASS.—New Bedford**  
Taunton & New Bedford  
Copper Co. (Yellow Metal  
Copper; Roofing; Slating)  
AAA  
**MASS.—Plymouth**  
Cobb & Drew (Small; Cigar  
Box; Clout; Brush; Cop-  
per; Trunk) .....AA  
Plymouth Mills (Cut; Small  
Wire; Clout; Trunk) ...B  
Ripley & Bartlett (Car;  
Steel; Clout; Shoe; Boot)  
B  
**MASS.—Somerset**  
Mount Hope Iron Co. (Cut)  
A  
**MASS.—South Hanover**  
Phillips & Sons, E. (Brass;  
Iron; Corrugated; Cement  
Coated Wire; Clout;  
Roofing; Slating; Brass;  
Copper Shoe; Small Iron;  
Steel; Zinc; Coppered;  
Galvanized; Hob; Tinned;  
Trunk) .....A  
**MASS.—Taunton**  
Atlas Tack Corporation (all  
kinds) .....AAAA  
Globe Mfg. Co. (Shoe;  
Brush; Copper; Corrugat-  
ed; Countersink; Head;  
Last; Wire) .....F  
Rhodes & Son Co., M. M.  
(Small Upholstery) .....C  
Taunton Tack Co. (Wire up  
to 4 in.) .....X  
Taunton Wire Nail Co.  
(Blind; Rugby Box;  
Small; Wire 1-8 to 8 in.)  
D

# **NAILS (Con.)**

**MASS.—Whitman**  
Gurney, D. B. (Wire up to  
20 penny) .....A  
**MASS.—West Wareham**  
Tremont Nail Co. (Cut) ...A  
**MASS.—Worcester**  
Morgan Spring Co. (Wire) B  
Parker Wire Goods Co.  
(Picture; Wire) .....E  
Wire Goods Co. (Roofing;  
Slating; Wire Finishing;  
Galvanized; Small; Wire)  
B  
Wright Wire Co. (Wire)  
AA  
**MICH.—Detroit**  
Crescent Machine Co., 101  
W. Adams Av. (Cigar  
Box) .....D  
**MO.—St. Louis**  
Ludlow-Saylor Wire Co.  
(Wire) .....A  
St. Louis Wire & Iron Co.  
(Wire) .....D  
**N. H.—East Jaffrey**  
Granite State Tack Co.  
(Shoe) .....D  
**N. H.—Keene**  
Fuller, G. E. & A. I. (Small)  
E  
**N. J.—Newark**  
Howell & Co. (Leather  
(Headed) .....A  
Peters Harness & Saddlery  
Co. (Saddle) .....C  
Sacks, Louis, Iron Foundry  
(Hob) .....A  
**N. J.—Trenton**  
Roebbing Sons Co., Jno. A.  
(Screw Head; Wire, all  
sizes) .....AAAA  
**N. Y.—Au Sable Chas**  
Mooney & Co., W. M.  
(Horse) .....B  
**N. Y.—Au Sable Forks**  
Rogers, J. & J., (Inc.)  
(Horse) .....AA  
**N. Y.—Binghamton**  
Beman & Co. (Clinch; Shoe)  
B  
Crandall, Stone & Co. (Band;  
Lining; Saddle) .....A  
Titchener & Co., E. H.  
(Wire, up to 3 in.) ....B  
**N. Y.—Brooklyn**  
Hassell, John (Wire) .....B  
Har-Budden Mfg. Co. (Wag-  
on; Hinge, etc.) .....B  
Igoe Bros., 226 N. 9th  
(Wire, 3-8 to 6 in.) .....C  
**N. Y.—Buffalo**  
Western Wire Goods Co.  
(Upholsterers') .....E  
**N. Y.—Cortland**  
Wickwire Bros. (Wire)  
AAAA  
**N. Y.—Essex**  
Essex Horse Nail Co., Ltd.  
(Horse) .....C  
**N. Y.—Keeseville**  
Ausable Horse Nail Co.  
(Horse) .....A  
New York City  
Ansonia Brass & Copper Co.  
(Copper) .....AAAA  
Bruce & Cook (Cut) .....AA  
Erfert, Hy. F., 238 4th Av.  
(Leather) .....F  
Fuller Bros. (Cut) .....D  
Gould-Mersereau Co. (Stair)  
C  
Hassell, Jno., 169 Elm  
(Screw Head; Small;  
Wire, 1-8 to 4 in.) .....D  
Hungerford Brass & Copper  
Co. U. T. (Brass; Copper;  
Roofing; Slating; Uphols-  
terers') .....A  
International Brass & Elec.  
Co., 76 Beekman (Hexagon  
Machine made Brass; Cop-  
per) .....D  
Johnson Leather Co., 41 E.  
21st (Leather) .....B  
Judd & Co., H. L. (Picture;  
Upholstery) .....AA  
Lefferts Galvanizing Wks.  
(Galvanized) .....D  
Livingston Nail Co., 104  
Reade (Horse) .....B  
Metal Stamping Co. (Lining)  
B  
National Horse Shoe Co.

**NAILS (Con.),**  
 (Horse) .....X  
**Russell & Erwin Mfg. Co.**  
 (Wire) .....AAAA  
**Salem Nail Co., 279 Pearl**  
 (Copper; Galvanized; Tinned; Steel; Cut; Yellow Metal; Zinc; Lead; Small; Roofing; Slating; Wire, all sizes and kinds) .....B  
**Sargent & Co. (Picture; Wagon; Hinge, etc.)**  
 AAAAA  
**Stebbins, Chas. J. (Cut) ..D**  
**Wiebusch & Hilger (Horse-shoe) .....**A  
**Yale & Towne Mfg. Co. (Ornamental) .....**AAAA  
**N. Y.—Penn Yan**  
**Superior Tack & Nail Co. (Clout; Small Cut; Trunk; Wire) .....**B  
**N. Y.—Rome**  
**Rome Brass & Copper Co. (Brass; Copper), ..**AAAA  
**N. Y.—Troy**  
**Burden Iron Co. (Iron) .....**AAAA  
**OHIO—Canton**  
**Kohler & Co., F. E. (Cut; Wire) .....**C  
**OHIO—Cincinnati**  
**Evans Steel & Iron Co., C. W., 22 W. 2d (Cement Coated Wire) .....**B  
**Robertson Steel & Iron Co., W. F. (Cement Coated Wire) .....**A  
**Tower Mfg. Co. (Shoe) ...C**  
**OHIO—Cleveland**  
**Cleveland Rolling Mill Co. (Wire) .....**AAAA  
**Garry Iron & Steel Co. (Sheathing; Roofing) ..A**  
**H. P. Nail Co. (Barbed; Wire Finishing; Galvanized; Wire) .....**X  
**Kirk-Latty Mfg. Co. (Small Clout; Truck) .....**B  
**Lake Erie Iron Co. (Boat) .....**AAAA  
**Natl. Screw Tack Co. (Small) .....**AA  
**OHIO—Cuyahoga Falls**  
**Cuyahoga Steel & Wire Co. (Wire) .....**X  
**OHIO—Ironton**  
**Belfont Iron Wks. Co. (Cut) .....**AAA  
**Kelly Nail & Iron Co. (Cut) ..**AA  
**OHIO—Salem**  
**Salem Wire Nail Co. (Wire) ..**X  
**OHIO—Springfield**  
**Corrugated Steel Nail Co. (Steel Corrugated) .....**E  
**OHIO—Steubenville**  
**La Belle Iron Wks. (Barrel; Box; Casing; Clinch; Clout; Finishing; Hoop; Roofing; Slating; Special; Basket; Boat; Car; Cut; Iron; Lining; Small; Steel) .....**AAAA  
**OHIO—Youngstown**  
**Mahoning Valley Iron Co. (Cut; Steel) .....**C  
**PA.—Birdsboro**  
**Brooks Iron Co., E. & G. (Cut; Iron) .....**AAA  
**PA.—Griswold Wire Co. (Wire) .....**B  
**PA.—Duncannon**  
**Duncannon Iron Co. (Cut; Box; Car; Clinch; Clout) ..**AA  
**PA.—Harrisburg**  
**Bailey & Co., Chas. L. (Inc.) (Cut; Box; Clinch; Clout; Finishing; Iron; Slating; Steel; Roofing) .....**AA  
**PA.—Holidaysburg**  
**Holidaysburg Iron & Nail Co. (Cut) .....**A  
**PA.—Milton**  
**Godcharles & Co., F. A. (Cut) .....**A  
**PA.—New Brighton**  
**Standard Horse Nail Co. (Horse) .....**AA  
**Townsend, C. O. & E. P. (Wire, Out; Barbed Wire) ..**AA

**NAILS (Con.)**  
**PA.—Morristown**  
**Reading Screw Co. (Wire) B**  
**PA.—Northumberland**  
**Van Alen & Co. (Cut; Barrel; Box; Clinch; Clout; Iron; Steel; Finishing; Roofing; Slating) .....**A  
**PA.—Philadelphia**  
**Morris, Wheeler & Co. (Cut) .....**AAAA  
**Phillips, Townsend & Co. (Wire, all sizes) .....**E  
**Phosphor Bronze Smelt Co., Ltd. (Phosphor Bronze), A**  
**PA.—Pittsburg**  
**Anchor Nail & Tack Wks. (Shoe; Small Cut) .....**B  
**Chess Bros. (Shoe; Steel) ..**A  
**Hussey & Co., C. G., 2850 2d Av. (Brass; Copper), AAA**  
**Marland, Neeley & Co. (Wire) .....**A  
**Oliver Wire Co. (Wire) .....**AAAA  
**Pittsburg Steel Co., Ferguson Bldg. (Wire) ..**AAAA  
**Pittsburg Wire Co. (Wire) ..**X  
**Union Steel Co., Carnegie Bldg (Box) .....**D  
**U. S. Wire & Nail Co., Lewis Block (Wire) .....**A  
**PA.—Pottstown**  
**Ellis & Lessig Steel & Iron Co. (Cut) .....**AA  
**Pottstown Iron Co. (Boat; Box; Clinch; Cut; Finishing; Iron; Roofing; Slating; Steel; Tufting) .....**X  
**PA.—Sharon Hill**  
**Pickering, R. S. (Cut) ..F**  
**PA.—Steelton**  
**Penna. Steel Co. (Steel) .....**AAAA  
**PA.—Williamsport**  
**Williamsport Iron & Nail Co. (Cut) .....**A  
**PA.—York**  
**York Tack & Nail Wks. (Basket; Boat; Box; Car; Chair; Cigar Box; Clinch; Cut; Finishing; Small; Stair; Steel; Trunk) ..A**  
**R. I.—Pawtucket**  
**Coleman Nail Co. (Horse) ..**B  
**R. I.—Providence**  
**Am. Screw Co. (Wire all sizes) .....**AAAA  
**Tockwotton Co. (Upholsterers' Bag Bottom; Leather Carriage; Decorative; Furniture; Headed; Saddle) ..**B  
**TENN.—Harriman**  
**Harriman Tack Co. (Iron) ..**X  
**VT.—Vergennes**  
**Natl. Horse Nail Co. (Horse) .....**A  
**VA.—Richmond**  
**Old Dominion Iron & Nail Wks. Co. (Cut Iron; Roofing; Slating; Box; Car; Clinch; Finishing; Heel; Small; Steel) ...A**  
**W. VA.—Wheeling**  
**Laughlin Nail Co. (Steel) ..**AA  
**Wheeling Corrugating Co. (Galvanized) .....**A  
**Wheeling Hinge Co. (Iron) ..**AAA  
**Wheeling Iron & Steel Co. (Cut; Finishing; Hoop; Roofing; Slating; Small; Special) .....**X  
**WIS.—Cedarburg**  
**Cedarburg Wire Nail & Screw Co. (Wire 1-4 to 4 inch) .....**D  
**WIS.—Janesville**  
**Janesville Barb Wire Co. (Wire 2 to 60 Penny) ..B**  
**WIS.—Milwaukee**  
**Milwaukee Tack Co. (Brass; Copper; Roofing; Slating; Small Wire; Basket; Boat; Cigar Box; Cut; Finishing; Heel; Hob; Hungarian; Iron; Steel) ..C**



## NAINSOOKS

See Cotton Goods

## NAPKINS

**MASS.—Holyoke**  
Japanese Tissue Mills (Paper) .....A  
**MASS.—Lowell**  
Lowell Textile Co. (Damask) .....D  
**N. Y.—Brooklyn**  
Gair Co., Robt. (Paper) ...A  
**N. Y.—Carthage**  
Carthage Tissue Paper Mills (Paper) .....A  
**New York City**  
Dennison Mfg. Co., John (Paper) .....AAAA  
**PA.—Philadelphia**  
Providence Mills Mfg. Co., Girard Av. & 45th ....O  
**WIS.—Green Bay**  
Hoberg Co., John (Paper) .....D

## NAPHTHA

**MASS.—Boston**  
Billings, Clapp & Co. (Wood) .....B  
**MO.—St. Louis**  
Mallinckrodt Chemical Wrks. (Wood) ....AAAA  
**N. Y.—Buffalo**  
Schoelkopf, Hartford & Hanna Co. (Coal Tar) ....AAA  
**New York City**  
Borrett Mfg. Co. ....AAAA  
Standard Oil Co. of N. Y. ....AAAA  
Tide Water Oil Co. ....AAAA  
White Tar Co. (Coal Tar) .....E  
**N. C.—Wilmington**  
Spirittine Chemical Co. (Wood) .....C  
**OHIO—Cleveland**  
National Refining Co. (Deodorized) .....AAA  
**OHIO—Toledo**  
Paragon Refining Co. ....AA  
**PA.—Bradford**  
Emery Mfg. Co. ....AAAA  
**PA.—Freedom**  
Freedom Oil Works Co. (Deodorized) .....A  
**PA.—North Clarendon**  
Smith, Levi .....A  
**PA.—Philadelphia**  
Barrett Mfg. Co. ....AAAA  
Crew, Levick Co. ....AAAA  
**PA.—Warren**  
Conewango Refining Co. ....B  
Superior Oil Works .....C  
**PA.—Titusville**  
American Oil Wrks. ....A

## NAPHTHALINE

**N. Y.—Buffalo**  
Schoelkopf, Hartford & Hanna Co. ....AAA  
**New York City**  
Wegelin & Wilckes Mfg. Co. ....O  
**White Tar Co., 101 N. Moore**  
(Balls; Flake; Powder; Crystals) .....E  
**PA.—Philadelphia**  
Barrett Mfg. Co. ....AAAA  
Jordan, W. H., Jr. & F. (Powdered) .....AA

## NECKLACES

See Jewelry

## NECKWEAR

**CAL.—San Francisco**  
Heineman, H. M. ....B  
Kraker, M. (Ruching) ...C  
Samter, L. & Son. ....D  
**CONN.—Williamantic**  
Thread City Collar Co. (Rubber) .....B  
**CONN.—Windsor**  
Windsor Collar & Cuff Co. ....O

## NECKWEAR (Con.)

**GA.—Atlanta**  
Robinson Neckwear Co. ...D  
**ILL.—Chicago**  
Carter & Holmes (Men's) .....B  
Cronin & Friedman (Men's) .....O  
Cutter & Crossette (Men's) .....B  
Michael, John C. (Women's) .....D  
Rawitsch Bros. (Men's) ...D  
Salk, M. (Men's) .....D  
Shields, J. E. & Co. (Men's) .....C  
Shoninger Bros. Mfg. Co. (Women's Lace) .....C  
Squiers, Vandervoort & Co. (Men's Mufflers) .....B  
Thomas & Hayden (Men's) .....B  
Wilson Bros. ....AAAA  
**IND.—New Albany**  
Robinson, Norton & Co. (Ladies) .....AAA  
**KY.—Louisville**  
Platt Co., N. Sid. (Silk & Cotton) .....D  
**MASS.—Boston**  
Bergheim Bros. (Men's) ...C  
Bradstreet, Tilton & Co. (Men's) .....C  
Brown & Co. (Men's) ...C  
Cleveland Co. (Men's & Women's) .....C  
Hawley, Folsom & Ronimus .....A  
Ideal Neckware Co. (Men's) .....D  
Sharaf, M. & Co. (Men's & Women's) .....D  
Simons, Hatch & Whitten Co. ....AA  
Trafton, H. O. ....E  
**MASS.—Fitchburg**  
Cornforth & Marx (Silk Mufflers) .....B  
**MASS.—Reading**  
Temple, J. S. (Men's) ...D  
**MASS.—Springfield**  
M. & M. Mfg. Co. (Rubber) .....E  
**MINN.—St. Paul**  
Conhaim Neckwear Co. (Men's) .....C  
**MO.—St. Louis**  
Ferguson, McKinney Dry Gds. Co. (Men's) ....AAAA  
Fischlowitz & Franks (Men's) .....C  
Hurst, Zucker Neckwear Co. (Men's) .....D  
Korngold, J. B. & Co. (Men's) .....D  
Ornstein & Rice Neckwear Co. (Men's) .....B  
**N. J.—Paterson**  
Ball, Wm. (Silk Mufflers) .....O  
Holmes Silk Co. (Silk Mufflers) .....A  
Kattermann & Mitchell Co. (Silk Mufflers) .....A  
Taylor Silk Mfg. Co. (Silk Mufflers) .....C  
**N. Y.—Brooklyn**  
Roach & Co., John C. ....E  
**New York City**  
Altman Neckwear Co. (Men's) .....C  
Auerbach, Louis (Men's) .....B  
Bendix & Eisenstaedt (Men's) .....C  
Benloff Bros. (Men's) ...D  
Berliner, Strauss & Meyer (Men's) .....A  
Blanchard & Price (Men's) .....D  
Burger, L. & Co. (Men's) .....O  
Cohn & Co. (Men's) ...B  
Cowen, A. W. & Bros. (Men's) .....B  
Engel, Mayer & Co. (Women's) .....D  
Fisk, Clark & Flagg ....A  
Frankenstein, Son & Bettelheim (Women's) .....B  
French & Co., (Inc.) (Men's) .....B  
Goodman, M. & Co. (Women's) .....D  
Goodman, Leo & Bro.

**NECKWEAR (Con.)**  
 (Men's) .....C  
 Gulterman Bros. Men's  
 Silk Mufflers) .....A  
 Gumpport, I. J. (Men's) ..D  
 Haslam, Wm. Co. (Men's  
 & Women's) .....D  
 Heller, Maurice (Men's) ..D  
 Horikoshi & Co., E. (Silk  
 Mufflers) .....B  
 Horn, W. O. & Bro. (Men's  
 Lawn) .....B  
 Igelheimer, Middle & Alt-  
 man (Men's) .....D  
 Isaac, I. & Co. (Men's) ..C  
 Kaskel & Kaskel .....B  
 Keep Mfg. Co. (Men's) ..A  
 Kelser, James R. (Men's) ..D  
 Levy & Marcus (Men's) ..C  
 Lewine Bros. (Men's) ..D  
 Lowenstein, Morris W.  
 (Men's) .....D  
 Lyford, Chas. W. & Son  
 (Men's) .....D  
 McCurrach, Jas. & Bro.  
 (Men's Mufflers) .....A  
 Majestic Neckwear Co.  
 (Men's) .....D  
 Mannheim, H. (Men's) ..D  
 Mayer, D. & E. L. (Men's)  
 O  
 Meinhard, Dalsimer Co.,  
 (Women's) .....B  
 Modry, I. & Co. (Women's)  
 A  
 Monheimer & Well (Men's)  
 C  
 Nashley, Louis (Men's) ..D  
 New York Neckwear Co.  
 (Men's Silk) .....D  
 Oppen & Levinson (Men's &  
 Women's) .....C  
 Parker & Finn (Men's) ..D  
 Plonsky & Solomon (Men's)  
 B  
 Prenowitz, J. (Men's) ....B  
 Rabinowitz, J. & Co.  
 (Men's) .....D  
 Reiner, Samuel (Men's) ..B  
 Richters, H., Sons (Men's)  
 AA  
 Roche, Croll & Co. ....D  
 Rosenthal & Grotta (Wo-  
 men's Lace Novelties;  
 Ruffings) .....A  
 Ryerson, A. N. & Co.  
 (Men's; Women's) ....D  
 Silberberg Bros. (Ladies')  
 O  
 Simon, Morris & Son  
 (Men's Silk) .....B  
 Simon, L. & Co. (Men's) ..A  
 Standard Summer Neckwear  
 Co. (Men's Lawn; Cotton)  
 B  
 Stanton Bros. (Men's; Wo-  
 men's) .....C  
 Stark, James H. & Co.  
 (Men's) .....B  
 Stern, C. & Mayer (Men's)  
 B  
 Trevor, Wm. (Men's) ....C  
 Walton, F. M. & Co.  
 (Men's) .....B  
 Waterhouse, Rufus, Co.  
 (Men's) .....B  
 Wechsler Bros., (Am. Sus-  
 pender Co.) .....E  
 Weld, Colburn & Wilckens  
 (Men's) .....A  
 Williamson Bros. (Men's)  
 B  
 Wolgamot & Co. (Men's) ..C  
**N. Y.—Port Jervis**  
 Cohn, H. C. & Co. (Men's)  
 B  
**N. Y.—Rochester**  
 Cohn & Co., H. C. ....A  
 Randall, F. A. Co. (Men's)  
 D  
 Rochester Neckwear Co.  
 (Men's) .....D  
**N. Y.—Troy**  
 Dingman, J. B. (Women's)  
 F  
**OHIO—Baltimore**  
 Griffith Mfg. Co. (Men's &  
 Ladies') .....D  
**OHIO—Cincinnati**  
 Baer, Kronacher & Co.  
 (Men's) .....D  
 Ornstein & Rice (Men's) ..B  
**OHIO—Cleveland**  
 Cleveland Neckwear Co.  
 (Women's) .....D

**NECKWEAR (Con.)**  
**OREGON—Portland**  
 Oids, Wortman & King ..A  
**PA.—Philadelphia**  
 Apple, Lou W. & Co.  
 (Men's) .....D  
 Davis, Joel Bailly Co. (Un-  
 ion Mfg. Co.) (Men's) ..A  
 Howell, Stein & Co. (Men's)  
 D  
 Hughes & Bradley (Men's)  
 O  
 Klemm, W. G. (Men's) ..B  
 Levy & Co. (Men's) .....C  
 McCutcheon, T. P. & Bro.  
 (Men's) .....B  
 Rothschild, I. & Co. (Men's)  
 D  
 Ticktin, M. (Men's) ....B  
**NEEDLES**  
**CONN.—Bridgeport**  
 Beers & Son, P. M. (Sewing  
 Machine) .....D  
 Klein & Bro. (Crochet) ..B  
 Wheeler & Wilson Mfg. Co.  
 (Sewing Machine) .AAAA  
**CONN.—Chester**  
 Bates, C. J. (Crochet; Knit-  
 ting) .....D  
**CONN.—Deep River**  
 Potter & Snell (Crochet)  
 C  
**CONN.—Essex**  
 Tiley-Pratt Co. (Crochet) ..D  
**CONN.—Hartford**  
 Merrow Machine Co. (Cro-  
 chet Machine) .....B  
**CONN.—Manchester**  
 Lydall & Foulds, H. (Knit-  
 ting Machine) .....B  
**CONN.—New Haven**  
 Smith Co., A. H. (Sewing  
 Machine) .....D  
**CONN.—Torrington**  
 Excelsior Needle Co. (Knit-  
 ting; Sewing Machine;  
 Wax Thread) .....AAAA  
**CONN.—West Cheshire**  
 Jerald & Lawton (Sewing  
 Machine) .....A  
**ILL.—Chicago**  
 Excelsior Supply Co. (Sew-  
 ing Machine) .....A  
**IOWA—Ottumwa**  
 Harbocg Mfg. Co. (Coal  
 Miners') .....B  
**MASS.—Boston**  
 New England Novelty Mfg.  
 Co. (Crochet; Self Thread-  
 ing) .....H  
 Sewing Machine Supplies Co.  
 (Sewing Machine) ....B  
**MASS.—Chicopee Falls**  
 Lamb Knitting Machine Co.  
 (Latch) .....B  
 Page Needle Co. (Knitting  
 Machine; Latch) .....D  
**MASS.—Lowell**  
 Bagshaw, W. H. ....B  
**MASS.—Lynn**  
 Eastham, Henry W. (Sewing  
 Machine; Wax Thread  
 Sewing Machine) .....D  
**MASS.—North Hadley**  
 Dickinson & Son, C. D.  
 (Broom Makers') .....D  
**MASS.—Springfield**  
 Natl. Needle Co. (Sewing  
 Machine) .....A  
**MASS.—Westfield**  
 Crane Bros. (Spring Knit-  
 ting) .....AAA  
**MICH.—Detroit**  
 Schimmel, Gustave R. (Hy-  
 podemic) .....D  
**N. H.—Franklin**  
 Franklin Needle Co. (Latch;  
 Sewing Machine) .....B  
**N. H.—Hill**  
 Adams & Co., G. H. (Knit-  
 ting Machine) .....C  
**N. H.—Lakeport**  
 Crane Mfg. Co. (Spring  
 Knitting) .....B  
 Wardwell Needle Co. (Knit-  
 ting Machine) .....B  
**N. H.—Manchester**  
 Corey Co., Wm. (Knitted  
 Machine; Latch) .....B  
 Dodge Needle Co. (Knitting  
 Machine; Latch) .....D  
**N. J.—Newark**  
 Crabb & Co., Wm. (Comber;

**NEEDLES (Con.)**

Wool Comb) .....A  
**N. J.—New Brunswick**  
 Ives Co., Loyal S. (Knitting Machine; Spring Knitting) .....B  
**N. Y.—Amsterdam**  
 Breedon's Son, W. (Knitting Machine; Spring Knitting) .....B  
**New York City**  
 Barker & Co., C. B. (Sewing Machine) .....B  
 Brabant Needle Co. (Crochet) .....D  
 Estes & Sons, E. B., 45 John (Seine Wood) .....AA  
 Green, Frank P. (Sewing Machine) .....D  
 Hoehn Co., B., 80 Chambers, (Dentists') .....B  
 Shrimpton Mfg. Co., 273 Church (Glove; Harness; Hand sewing; Knitting; Sall Makers'; Packing; Sewing Machine; Spey-ing) .....G  
 Singer Mfg. Co. (Sewing Machine) .....AAAA  
 Tiebout, W. & J. (Sailmakers'; Packers, etc.) .....B  
**N. Y.—Philmont**  
 Ames, David J. (Knitting Machine; Spring Knitting) .....X  
**N. Y.—Troy**  
 Tompkins Bros. Co. (Comber) .....B  
**OHIO—Cleveland**  
 United States Dental Mfg. Co. (Dental Hypodermic) .....D  
**PA.—Mount Clare**  
 Mount Clare Needle Co. (Hosiery) .....D  
**PA.—Philadelphia**  
 Branson Machine Co., 506 No. American (Knitting Machine) .....A  
 Keystone Knitting Machine Mfg. Co. (Knitting Machine) .....D  
 Manufacturers' Supplies Co., 68 N. 4th (Knitting Machine) .....D  
 Nat'l Automatic Knitter Co. (Knitting Machine) .....B  
**PA.—Pittsburg**  
 Hubbard & Co., Murtland Bldg. (Miners') .....AA  
 Klein-Logan Co. (Miners') .....A  
 Pittsburg Tool & Drop Forge Co., Arrott Bldg. (Miners') .....D  
**R. I.—Providence**  
 Townsend, Thos., 157 Orange (Comber) .....E  
**VT.—Bennington**  
 Cooper, Chas. (Knitting Machine) .....B

**NESTS**

**ILL.—Chicago**  
 Barbee Wire & Iron Wrks. (Hens' Wire) .....B  
**MO.—St. Louis**  
 Ludlow-Sayloe Wire Co. (Hens' Wire) .....AA  
**N. Y.—Cortland**  
 Wickwire Bros. (Hens', &c.) .....AAA  
**New York City**  
 Gilbert & Bennett Mfg. Co. (Hens' &c.) 42 Cliff .....AAA

**NETS**

**CAL.—San Francisco**  
 Neville & Co. (Fishing) .....A  
**CAL.—Stockton**  
 Shaw Co., H. (Hay) .....A  
**CONN.—East Hampton**  
 Star Net & Twine Co., The (Linen; Cotton Fish) .....B  
**CONN.—Moodus**  
 New York Net & Twine Co. (Fishing) .....B  
**CONN.—Naugatuck**  
 Dunham Hosiery Co. (Net for Rubber Shoe Linings) .....A

**NETS (Con.)**

**CONN.—Norwich**  
 Turner Mfg. Co. (Bicycle; Dress Guard) .....X  
**CONN.—Rockville**  
 Regan Mfg. Co., Jas. J. (Cotton; Wool) .....AA  
**CONN.—Tariffville**  
 Tariffville Lace Mfg. Co. (Fish) .....B  
**ILL.—Chicago**  
 Carpenter & Co., Geo. B. (Fishing) .....AA  
 Chicago Net & Twine Co. (Fish; &c.) .....D  
 Chicago Rawhide Mfg. Co. (Leather; Fly) .....A  
 Cook & Bro., E. C. (Fishing) .....A  
**ILL.—Ottawa**  
 Bach & Co., M. W. (Fly) .....C  
**MASS.—Boston**  
 Amer. Net & Twine Co. (Fishing; Gymnasium) .....AAA  
 Chase & Co. (Fly) .....AAA  
 Lord Co., G. W. (Fishing) .....A  
**MASS.—Gloucester**  
 Gloucester Net & Twine Co. (Fish Nets; Sienes) .....A  
**MICH.—Kalamazoo**  
 Lull Carriage Co. (Fly) .....B  
**MINN.—St. Paul**  
 Hardenburg, P. R. L. (Fly) .....A  
**MO.—St. Louis**  
 Missouri Tent & Awning Co. (Fishing) .....B  
**N. J.—Jersey City**  
 Hall, H. S. (Silk Hair) .....D  
**N. J.—Newark**  
 Peters Harness & Saddlery Co. (Horse; Fly) .....C  
**N. Y.—Brooklyn**  
 Jennings Lace Wrks. (Silk Hair; Lace) .....AAAA  
 Kelsey, Albert (Fly) .....B  
 Hepner & Horwitz (Knit Millinery) .....C  
**New York City**  
 Spaulding & Bro., A. G. (Tennis) .....AAAA  
 Taylor & Co., H. E., 510 E. 72nd (Fly) .....A  
 Tiebout, W. & J. (Scoop) .....B  
**N. Y.—Utica**  
 Clark, Horrocks Co. (Fish Landing) .....A  
**PA.—Dillsburg**  
 Altland, A. D. (Cotton Knit) .....D  
**PA.—Milton**  
 Wilson & Co., R. F. (Fly) .....A  
**PA.—Philadelphia**  
 Ayres & Son, Wm. (Gymnasium; Fly) .....AA  
 Loeb, Lepper & Co. (Lace) .....A  
**PA.—Quakertown**  
 Harley, J. S. (Leather; Fly) .....AA  
**PA.—Wellsville**  
 Pennsylvania Net Co. (Horse Fly) .....C  
**W. VA.—Moundsville**  
 Bardall & Co., J. C. (Fly) .....B  
**WIS.—Milwaukee**  
 Gem Hammock & Fly Net Co. (Fly; Leather) .....A

**NETTING**

**CAL.—San Francisco**  
 California Wire Cloth Co. (Wire; Poultry) .....D  
 Hallidie-Painter Tramway Co., 46 Fremont (Wire; Poultry) .....D  
 West Coast Wire & Iron Wrks. (Wire; Poultry) .....F  
**CONN.—Georgetown**  
 Gilbert & Bennett Mfg. Co. (Wire; Poultry; Galvanized; Glue; Steel Wire) .....AAA  
**CONN.—Middletown**  
 Palmer, I. E. (Imitation Wire) .....AAA  
**CONN.—New Haven**  
 Nat'l Steel & Wire Wrks.

**NETTING (Con.)**

Wire; Poultry) ....AAAA

**ILL.—Chicago**

Am. Steel &amp; Wire Wks. Co.

(Wire; Poultry) ..AAAA

Barbee Wire &amp; Iron Wrks.

(Wire; Poultry) .....B

Booth, Jno., 114 Lake

(Wire; Poultry) .....B

Smith Wire &amp; Iron Wrks., F.

P., 100 Lake (Wire; Poul-

try) .....AA

**ILL.—DeKalb**

DeKalb Fence Co. (Wire;

Poultry) .....AA

**IND.—Crawfordsville**

Crawfordsville Wire &amp; Nail

Co. (Wire) .....A

**IND.—Richmond**

Eureka Fence Mfg. Co.

(Wire; Poultry) .....F

**KY.—Louisville**

Dow Wire Wrks. Co., 780

W. Market (Wire; Poul-

try) .....D

**MD.—Baltimore**

Dufur &amp; Co., 311 N. How-

ard (Wire; Poultry) ....B

**MASS.—Clinton**

Clinton Wire Cloth Co.

(Wire; Poultry; Galvan-

ized Wire) .....AAA

**MASS.—Springfield**

Bigelow-Cheney Wire Wrks.

(Wire; Galvanized Wire;

Poultry; Steel Wire) ..A

**MASS.—Worcester**

Wright Wire Co. (Wire;

Poultry) .....AA

**MO.—St. Louis**

Ludlow-Saylor Wire Co.

(Wire) .....AA

**N. J.—Belleville**

Eastwood Wire Mfg. Co.

(Wire; Poultry) .....A

**N. J.—Trenton**

New Jersey Wire Cloth Co.

(Wire; Poultry) .....A

**N. Y.—Buffalo**

Buffalo Wire Works Co.

(Wire) .....A

**N. Y.—Cortland**

Wickwire Bros. (Wire; Gal-

vanized Wire; Poultry)

AAAA

**New York City**

Estey Wire Wrks. Co., 59

Fulton (Wire; Poultry)

AA

**Fiske Iron Wrks., J. W., 39**

Park Pl. (Wire; Poultry)

B

**Howard & Morse, 45 Fulton**

(Wire; Poultry) .....D

**Roebbing's Sons, Jno. A.**

(Wire; Poultry; Galvan-

ized Wire) .....D

**OHIO—Cincinnati**

Bromwell Brush &amp; Wire

Goods Co. (Wire) ....AA

**Cincinnati Mfg. Co., 512**

Main (Wire; Poultry) ...B

**Nimmo Fence Co., 324 E. 4th**

(Wire; Poultry) .....E

**OHIO—Cleveland**

Tyler Co., W. S., 1150 St.

Clair (Poultry; Locomo-

tive Stack) .....AAAA

**OHIO—Hamilton**

Meyers Mfg. Co., Fred J.

(Wire) .....B

**PA.—Philadelphia**

Darby &amp; Sons, Edw., 233

Arch (Wire; Poultry) ...A

**De Witt Wire Cloth Co., 703**

Market (Wire; Galvanized

Wire; Poultry) .....A

**PA.—Pittsburg**

Pittsburg Steel Co., Peoples

Sav. Bank Bldg. (Wire;

Poultry) .....AAAA

**NETTING:****MOSQUITO****CONN.—Middleton**

Arawana Mills (I. E. Pal-

mer) (Cotton; Sand F) ...AAA

**CONN.—Shelton**

Derby Cotton Mills (Robt.

Franklyn Adams) (Cotton)

A

**NETTING: MOSQUITO****N. J.—Passaic**

McLean Co., Andrew ...AA

**N. Y.—Valley Falls**

Thompson &amp; Co., Jas. ...AA

**R. I.—Scituate**

North Scituate Cotton Mills

O

**WIS.—Racine**

Gold Medal Camp Furniture

Mfg. Co. ....O

**NEWELS****ALA.—Florence**

Florence Wagon Wrks.

(Porch) .....A

**ALA.—Stanton**

Dyer, W. C. ....B

**MASS.—Worcester**

Hatch &amp; Barnes .....O

**N. Y.—New York City**

Bird, Wm. S., 42 W. 67th

(Stair) .....E

**TENN.—Cookeville**

Dow, D. L. (Stair) .....E

**WIS.—Oshkosh**

McMillen &amp; Co., R. (Hard-

wood Stair) .....A

**NICKEL****ILL.—Peru**

Illinois Zinc Co. ....AAA

**MASS.—Boston**

Waite, Ranlet &amp; Co. ....B

**N. J.—Newark**

Hanson &amp; Van Winkle Co.

AA

**N. Y.—New York City**

American Metal Co. ....AAAA

Boker &amp; Co., Hermann

AAAA

**Orford Copper Co. ....AAA****N. Y.—Rome**

Rome Mfg. Co. ....B

**NICKELINE****N. Y.—New York City**

Boker, Hermann &amp; Co., 101

Duane .....AAA

**Hirsch, Isaac E., 468 W.**

B'way, .....D

**NICKELOID****ILL.—Peru**

Am. Nickeloid Mfg. Co.

(Nickeloid; Copperoid;

Steeloid; Brassoid; Nick-

elized Sheet Steel; Zinc;

Copper; Brass; &amp;c.) ..F

**NIPPERS****CONN.—Bridgeport**

Bridgeport Hwd. Mfg. Co.

(End Cutting) .....B

**CONN.—New Haven**

Schollhorn Co., Wm. (Cut-

ting) .....A

**CONN.—Rockfall**

Smith, Otis A. (Cutting) .B

**CONN.—Southington**

Peck, Stow Wilcox Co.

(Cutting; Hoof) ..AAAA

**CONN.—Waterbury**

Mattatuck Mfg. Co. (Auto-

matic) .....O

**Scovill Mfg. Co. (Bicycle)**

AAAA

**ILL.—Chicago**

Chicago Pneumatic Tool Co.,

Fisher Bldg. (Pneumatic

Bolt) .....AAAA

**Vaughn & Bushnell Mfg.**

Co., 875 Carroll Av. (Cut-

ting) .....A

**MASS.—Athol**

Starrett &amp; Co., L. S. (Cut-

ting) .....A

**MASS.—Boston**

Whitcher &amp; Co., Frank W.

(Cutting) .....A

**MASS.—Chicopee Falls**

Stevens Arms &amp; Tool Co., J.

(Bicycle) .....A

**MICH.—Grand Rapids**

Wolverine Brass Wrks. (Sol-

dering) .....A

**N. J.—Newark**

Heller &amp; Bros (Cutting)

A

**NIPPERS (Con.)**

Krauter & Co., (Cutting) X  
 Osborn & Co., C. S. (Cutting) B  
 Sacks Iron Fdy, Louis (End Cutting) A  
 N. Y.—Elmira  
 Cronk & Carrier Mfg. Co. (End Cutting) B  
 New York City  
 Morrill, Charles (End Cutting) D  
 Smith & Hemenway Co., 296 B'way (Bicycle) D  
 Tower & Lyon, 95 Chambers (Police) B  
 Weed, Riley & Co., 11 Gold (Cutting) D  
 Wiebusch & Hilger (Cutting) A  
 N. Y.—Utica  
 Utica Drop Forge & Tool Co. (Bicycle; Cutting) B  
**OHIO—Cincinnati**  
 Cincinnati Tool Co. (Cutting) B  
**OHIO—Cleveland**  
 Peck, Stow & Wilcox Co. (Cutting) AAAAA  
**OHIO—Ravenna**  
 Williams, A. C. (Cutting) A  
 R. I.—Providence  
 Amer. Supply Co. (Point) AA  
 VT.—Windsor  
 Hubbard & McClary (Cutting) B

**NIPPLES**

**CONN.—Bridgeport**  
 Belknap Mfg. Co. (Hose & Nursery Rubber) C  
**CONN.—Essex**  
 Tiley-Pratt Co. (Bicycles) D  
**CONN.—Hartford**  
 Hartford Machine Screw Co. (Bicycle) AAAAA  
**CONN.—New Haven**  
 Seamless Rubber Co. (Nursery Rubber) AA  
**CONN.—Torrington**  
 Excelsior Needle Co. (Bicycle) AAAAA  
**CONN.—Waterbury**  
 Mamille Machine Co., E. J. (Bicycle; Automobile) C  
**ILL.—Chicago**  
 American Steel & Wire Co. (Bicycle) AAAAA  
 Blatchford & Co., E. W., 70 N. Clinton (Soldering) AAAAA  
 Chicago Screw Co. (Bicycle) AAA  
 Illinois Malleable Iron Co. (Soldering) AAAAA  
**ILL.—Decatur**  
 Mueller Mfg. Co., H. (Soldering) AAA  
**ILL.—Edwardsville**  
 Edwardsville Brass Co. (Soldering) B  
**ILL.—Kewanee**  
 Western Tube Co. (Pipe; Soldering) AAA  
**IND.—Erkhart**  
 Erkhart Brass Mfg. Co. (Hose) E  
**MD.—Baltimore**  
 Robertson Mfg. Co., James (Soldering; Brass) A  
**MASS.—Andover**  
 Tyler Rubber Co. (Nursery Rubber) AA  
**MASS.—Boston**  
 Boston Brass Co., 36 Oliver (Hose) O  
 Davidson Rubber Co. (Nursery Rubber) A  
 Walworth Mfg. Co. (Brass) AAAAA  
**MASS.—Holliston**  
 Wilder & Co., Sidney (Brass Hose) E  
**MASS.—Lexington**  
 Jefferson Mfg. Co. (Soldering) X  
**MASS.—Worcester**  
 Wire Goods Co. (Bicycles; Air Valve) A

**NIPPLES (Con.)**

**MICH.—Detroit**  
 Park & MacKay Co. (Brass) C  
**MICH.—Jackson**  
 McKeel & Co., Geo. A. (Boiler; Radiator) B  
**MO.—Kansas City**  
 Platt Mfg. Co. (Brass Soldering) F  
 N. Y.—Jamesville  
 Jamesville Mfg. Co. (Automobile) D  
 New York City  
 Goodyear Rubber Co. (Nursery Rubber) AAAAA  
 Goodyear's India Rubber Glove Mfg. Co. (Nursery Rubber) AAAAA  
 Gotham Co. (Nursery Rubber) D  
 Mattson Rubber Co. (Nursery Rubber) B  
 Parker, Stearns & Sutton (Nursery Rubber) B  
 Schrader's Son, A., 30 Rose (Hose) B  
**OHIO—Akron**  
 Goodrich Co., B. F. (Nursery Rubber) AAAAA  
 Miller Rubber Co. (Nursery Rubber) B  
**OHIO—Cincinnati**  
 Powell & Co., Wm., 2529 spg. Grove Av. (Hose) A  
 Queen City Brass & Iron Wrks. (Hose; Soldering) B  
**OHIO—Cleveland**  
 Cleveland Bronze & Brass Wrks. (Soldering) C  
 Glauber Brass Mfg. Co., 88 River (Soldering) AA  
 Sanitary Co., 835 Huron (Soldering) B  
**OHIO—Springfield**  
 Nolte Brass Co. (Soldering) D  
**PA.—Erie**  
 Cambell Brass Wrks., J. B. (Soldering) A  
**PA.—Philadelphia**  
 Haines, Jones & Cadbury, 1136 Ridge Av. (Soldering) AA  
 Saville, Thos., 11th & Wood (Soldering) C  
 Ware Co., Walter F. (Nursery Rubber) B  
 R. I.—Providence  
 Davol Rubber Co. (Nursery Rubber) AA

**NITRE**

**MO.—St. Louis**  
 Herf & Frerichs Chemical Co. (Spirits of) A  
 Mallinckredt Chemical Wks. (Spirits of) AAAAA  
 Powers-Weightman-Rosengarten Co. (Spirits of) AAAAA

**NOILS**

**MASS.—Westford**  
 Abbott Worsted Co. (Camels Hair; Carpet Wool) AA  
 N. J.—Newark  
 Basch & Greenfield Co. (Silk) A  
 N. Y.—Whitehall  
 Champlain Silk Mills (Silk) A  
**PA.—Philadelphia**  
 Tilden, W. T. A

**NOODLES**

See Macaroni & Vermicelli

**NOSES**

New York City  
 Condell, A. (Artificial) D  
**PA.—Philadelphia**  
 Kolbe Co., D. W. (Artificial) X

**NOTES**

**ILL.—Chicago**

**NOTES (Con.)**

Western Bank Note & En-  
graving Co. (Bank)...AA  
New York City  
Am. Bank Note Co. (Bank)  
AAAA  
International Bank Note Co.  
(Bank) .....B  
New York Bank Note Co.  
(Bank) .....A

**NOTIFIERS**

OHIO—Dayton  
Dayton Supply Co. (Bur-  
glar) .....A

**NOVELTIES**

See also Silverware; Jew-  
elry; Millinery

ARK.—Texarkana  
Standard Novelty Wks.  
(Wood Turned) .....A  
CONN.—Bridgeport  
Gaynor & Mitchell Mfg. Co.  
(Special Sheet Metal)...C  
Ives Mfg. Co. (Toy).....C  
CONN.—Bristol  
Root, C. J. (Hardware)...B  
CONN.—Deep River  
Williams & Marvin Mfg. Co.  
(Wood Turned).....D  
CONN.—Derby  
Derby Silver Co. (Silver  
Plate) .....AAAA  
CONN.—Essex  
Essex Wood Turning Co.  
(Furniture) .....X  
CONN.—Meriden  
Hall, Wilbur B. (White  
Metal) .....X  
Meriden Britannia Co.  
(Thermometr) .....AAAA  
Meriden Silver Plate Co.  
(Silver Plate).....AAAA  
CONN.—New Britain  
Landers, Frary & Clark  
(Hardware) .....AAA  
CONN.—New Haven  
Ives Co., Hobart R.  
(Hardware) .....A  
CONN.—Torrington  
Torrington Mfg. Co. (Metal)  
C  
Turner & Seymour Mfg. Co.  
(Hardware) .....A  
CONN.—Wallingford  
Wallace & Sons Mfg. Co., R.  
(Silver) .....AAAA  
CONN.—Waterbury  
Amer. Pin Co. (Metal  
Stamped; Spun Turned  
from Rod) .....AA  
Novelty Mfg. Co. (Metal;  
Plush) .....A  
Steele & Johnson Mfg. Co.  
(Brass; Plush) .....A  
White Co., L. C. (Brass).C  
CONN.—Winsted  
Goodwin & Kintz Co.  
(Brass; Aluminum; Nick-  
el) .....B  
ILL.—Chicago  
Caldwell & Co., W. D.  
(Wood) .....C  
Turner Brass Wks. (Metal)  
A  
Shafer Co., F. L., 263  
Dearborn (Advertising).X  
ILL.—Freeport  
Stover Mfg. Co. (Hardware)  
AA  
IND.—Fort Wayne  
Anthony Wayne Mfg. Co.  
(Show Window) .....X  
IND.—Indianapolis  
Union Novelty Mfg. Co.,  
1338 Charles (Wood; Iron;  
Metal) .....X  
MASS.—Attleboro  
Mossberg Co., Frank (Sheet  
Metal; Stamped;  
Punched) .....A  
MASS.—Chelsea  
Chelsea Mfg. Co. (Metal).X  
Low Tile Co. (Stationers')  
F  
MASS.—Fitchburg  
Mossmon, Jerome (Wood  
Turned) .....F

**NOVELTIES (Con.)**

MASS.—Leominster  
Whitney Reed Chair Co.  
(Toy) .....AAAA  
MASS.—Lowell  
Woods, Sherwood Co. (Wire)  
E  
MASS.—North Attleboro  
Barrows & Co., H. F.  
(Jewelry; Silver).....A  
Coddling & Hallborn Co.  
(Silver) .....A  
Whiting Co., F. M. (Jew-  
elry; Silver) .....B  
MASS.—Springfield  
Bradley Co., Milton (Toy)  
A  
Smith Mfg. Co., R. H.,  
(Stationers') .....C  
MASS.—Westfield  
Hampden Toy Co. (Adver-  
tising) .....D  
MASS.—Woburn  
Curtis, Wm. H. (Cotton).G  
MASS.—Worcester  
Warren Leather Goods Co.  
(Leather Advertising)..B  
MICH.—Bellaire  
Richard & Bachtold (Wood  
Turned) .....B  
MICH.—Cadillac  
Cummer Mfg. Co. (Wooden)  
B  
MICH.—Detroit  
Widman & Co., C. D.  
(Furniture) .....A  
MICH.—Grand Rapids  
Grand Rapids Brass Co.  
(Brass) .....A  
MICH.—Holland  
Michigan Toy & Novelty Co.  
(Wood) .....E  
MICH.—Jackson  
McKeel & Co., Geo. A.  
(Sheet Metal) .....B  
MICH.—Saginaw  
Berat Mfg. Co. (Wood  
Turned) .....B  
N. H.—Milford  
Price & Co., W. E. (Wood  
Turned) .....D  
N. H.—State Line  
Cudworth & Petts .....F  
N. J.—Jersey City  
Koenig Bros. (Plush).....D  
Mehl & Co., John, Inc.  
(Leather) .....AA  
N. J.—Newark  
Benfield & Milne Mfg. Co.  
(White Metal) .....B  
Block & Bergfield (Jew-  
elry Roman) .....B  
Crabb & Co., Wm. (Wire)  
A  
Domestic Novelty Co.  
(Metal) .....X  
Durand & Co., Inc. (Jew-  
elry; Silver) .....AA  
Havel Mfg. Co., 284 Wash.  
(Metal) .....A  
Hedges & Co., A. J.  
(Jewelry) .....A  
Newark Street Metal Ware  
Co., 50 Elm (Metal)...D  
Sommer's Sons, Jno. (Wood  
Turned) .....A  
Whitehead & Hoag Co.  
(Celluloid Advertising)..  
AAA  
Williamson Wire Novelty  
Co., C. T. (Wire).....B  
N. J.—New Brunswick  
Consolidated Fruit Jar Co.  
(Metal) .....AA  
N. Y.—Bliss  
Bliss Mfg. Co. (Wooden).E  
N. Y.—Brooklyn  
Bommer Bros. (Hardware)  
A  
N. Y.—Buffalo  
Buffalo Scale Co. (Station-  
ers') .....AA  
New York City  
Bronze & Papler Mache Co.,  
388 Hudson (Advertising)  
H  
Cohn, J. J. (Leather)....A  
Cottle, C. S. (Jewelry;  
Silver) .....E  
Eagle Novelty Wks. (Mil-  
linery) .....D  
Eagle Pencil Co. (Station-

## NOVELTIES (Con.)

ers') .....AAA  
 Faber, Eberhard (Station-  
 ers') .....AAA  
 Grote & Co., F. (Ther-  
 mometer) .....D  
 Illustrated Postal Card &  
 Novelty Co. (Advertising) .....X  
 Jansen, Edward (Straw  
 Braid) .....A  
 Judd & Co., H. L. (Metal;  
 Thermometer) .....AA  
 Kaufman & Strauss Co.  
 (Advertising) .....A  
 Larter & Sons (Jewelry) ..A  
 Maas-Blum Co. (Leather) ..AA  
 Manhattan Silver Plate Co.  
 (Jewelry; Silver) ..AAAA  
 Meyers Co., S. F. (Jewelry;  
 Silver) .....D  
 N. Y. Aluminum Co. (Ad-  
 vertising) .....C  
 Pairpont Corp'n. (German  
 Silver) .....AA  
 Rice's Sons, Bernard (Glass  
 with Plated Mountings;  
 Jewelry) .....A  
 Richards & Co., C. Ira  
 (Roman; Silver Jewelry) .....AAA  
 Shiebler & Co., Geo. W.  
 (Silver) .....A  
 Sloan & Co. (Jewelry;  
 Silver) .....B  
 Waring, Vechten (Adver-  
 tising) .....F  
 Whitehead & Hoag Co.  
 (Advertising) .....AAA  
 N. Y.—Rochester  
 Streeter & Co., N. R.  
 (Hardware) .....A  
 N. Y.—Rome  
 Doyle, W. J. (Metal) ....D  
 N. Y.—Seneca Falls  
 Westcott Jewell Co. (Ad-  
 vertising) .....D  
**OHIO—Belaire**  
 Rodefer, T. C. (Glassware) .....A  
**OHIO—Cincinnati**  
 Globe-Wernicke Co. (Sta-  
 tioners') .....AAAA  
 Tatum Co., Saml. C.  
 (Hardware) .....B  
**OHIO—Cleveland**  
 Ohio Electric Wks. (Elec-  
 tric) .....D  
**OHIO—Coshooton**  
 Beach Co., H. D. (Ad-  
 vertising) .....X  
 Coshooton Novelty Co.  
 (Advertising) .....X  
 Meek-Beach Co. (Adver-  
 tising) .....AA  
 Novelty Advertising Co.  
 (Advertising) .....B  
**OHIO—Piqua**  
 Piqua Handle & Mfg. Co.  
 (Wood Turned) .....A  
**PA.—Allentown**  
 Grammes & Sons, L. F.  
 (Wrought Brass) .....A  
**PA.—Beaver Falls**  
 Co-operative Flint Glass Co.  
 (Glassware) .....A  
**PA.—Corapolis**  
 Consolidated Lamp Glass  
 Co. (Glassware) .....A  
**PA.—Grapeville**  
 Westmoreland Specialty Co.  
 (Glassware) .....A  
**PA.—Jeannette**  
 McKee-Jeannette Glass Co.  
 (Glassware) .....B  
**PA.—Philadelphia**  
 Gillinder & Sons (Glass-  
 ware) .....A  
 Nat'l. Metal Edge Box Co.  
 (Advertising) .....AA  
 Phila Novelty Mfg. Co.  
 (Cutlery; Hardware; Sta-  
 tioners) .....D  
 Rumpf & Sons, C. F.  
 (Leather) .....AAA  
 Schoenhut & Co., A. (Toy)  
 .....A  
 Wiland & Co., 205 Willow  
 (Metal) .....X  
 Wirz, A. H. (Metal) .....A  
**PA.—Pittsburg**  
 McKennan Bros. (Metal) ...A

## NOVELTIES (Con.)

Phoenix Glass Co. (Glass-  
 ware) .....A  
**PA.—Scranton**  
 Scranton Button Co. (Ad-  
 vertising) .....A  
**PA.—Tarentum**  
 Tarentum Glass Co. (Glass-  
 ware) .....A  
**PA.—Washington**  
 Duncan & Miller Glass Co.  
 (Glassware) .....A  
**R. I.—Providence**  
 Adams, D. F. (Jewelry) ..C  
 Amer. Enamel Co. (Wood  
 Turned; Metal) .....B  
 Bassett Jewelry Co. (Sil-  
 ver) .....B  
 Cory & Reynolds Co.  
 (Silver) .....C  
 Crossin & Co. (Jewelry) ..F  
 Foster & Bros. Co., T. W.  
 (Silver) .....AA  
 Hamilton & Hamilton, Jr.  
 (Jewelry; Silver) .....A  
 Lederer Co., S. & B. (Jew-  
 elry; Roman; Silver) ....C  
 Luther & Son, Wm. H.  
 (Jewelry) .....B  
 New England Butt Co.  
 (Hardware) .....AA  
 New England Pearl Co.  
 (Jewelry) .....F  
 Nickerson, N. B. (Jewelry;  
 Roman) .....X  
 Read & Lincoln (Silver) ..D  
 Waite, Mathewson & Co.  
 (Jewelry) .....B  
**W. VA.—Wellsburg**  
 Eagle Glass & Mfg. Co.  
 (Glassware) .....A  
 Riverside Glass Wks.  
 (Glassware) .....C  
**W. VA.—Wheeling**  
 Central Glass Works  
 (Glassware) .....A  
**WIS.—Dundas**  
 Dundas Woodenware Co.  
 (Wooden) .....D  
**WIS.—Milwaukee**  
 Melnecke & Son, A. (Fur-  
 niture) .....AA  
**WIS.—Two Rivers**  
 Aluminum Mfg. Co. (Alu-  
 minum; Advertising) ...A  
**WIS.—Wausau**  
 Wausau Novelty Co.  
 (Wood Turned) .....B

## NOZZLES

**CAL.—San Jose**  
 Bean Spray Pump Co.  
 (Spray) .....D  
**CONN.—Bridgeport**  
 Amer. Tube & Stamping  
 Co. (Oiler) .....AAAA  
**CONN.—New Haven**  
 Peck Bros. & Co. (Spray;  
 Hose) .....AA  
**ILL.—Chicago**  
 Allen Mfg. Co., 151 Lake  
 (Hose) .....A  
 Crane Co. (Hose) .....AAAA  
**IND.—Indianapolis**  
 Armstrong & Co., W. H.  
 (Spray) .....B  
**MASS.—Boston**  
 Boston Coupling Co., 156  
 Pearl (Hose) .....E  
 Hersey Mfg. Co. (Spray;  
 Hose) .....AA  
 Morse & Son, A. J., 140  
 Congress (Hose; Hy-  
 draulic) .....B  
**MASS.—Cambridge**  
 Boston Woven Hose & Rub-  
 ber Co. (Hose) .....AAAA  
**MO.—St. Louis**  
 Pleuger & Henger Mfg. Co.  
 (Hose) .....A  
**N. J.—Trenton**  
 Empire Rubber Mfg. Co.  
 (Spray; Hose) .....AA  
 New York City  
 Eaton, Cole & Burnham Co.,  
 253 B'way (Hose; Spray;  
 Hydraulic) .....A  
 Empire Rubber Mfg. Co., 88  
 Reade (Hose) .....AA  
 Pedrick & Ayer Co. (Hose)  
 .....A  
 Schrader's Son, A., 30 Rose

**NOZZLES (Con.)**  
 (Hose) ..... B  
**N. Y.—Rochester**  
 Pullman Mfg. Co. (Hose;  
 Spray) ..... B  
**OHIO—Ashland**  
 Myers & Bro., F. E.  
 (Hose) ..... AAAA  
**OHIO—Canton**  
 Kohler & Co., F. E. (Hose)  
 ..... B  
**OHIO—Mansfield**  
 Barnes Mfg. Co. (Hose)... A  
**OHIO—Massillon**  
 Hess, Snyder Co. (Spray)...  
 AA  
**OHIO—Salem**  
 Deming Co. (Hose)..... AA  
**PA.—Philadelphia**  
 Clay, Jno. H., 1320 Ridge  
 Av. (Hose) ..... B  
 Eynon-Evans, 1519 Charfield  
 (Blast) ..... A  
 Seidel, R. B., 1334 Callow-  
 hill (Ladle) ..... A  
**PA.—Pittsburg**  
 Gem Mfg. Co. (Oiler)... D  
 McCullough-Dalsell Crucible  
 Co. (Plumbago for Besse-  
 mer: Open Hearth Fur-  
 naces) ..... A  
**PA.—Williamsport**  
 Darling Pump & Mfg. Co.  
 (Hose) ..... B  
**WIS.—Milwaukee**  
 Loeffelholz & Co., 170 Clin-  
 ton (Combination; Judge  
 Distributing Hose)..... A

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**CONN.—Middletown**  
 Wilcox, Crittenden Co.  
 (Metal) ..... A  
**CONN.—New Haven**  
 Hoggson & Pettis Mfg. Co.  
 (Door; Metal) ..... A  
**CONN.—South Norwalk**  
 Norwalk Lock Co. (Metal)  
 ..... A  
**ILL.—Chicago**  
 Chicago Spring Butt Co., 491  
 Carroll Av. (Metal) .... B  
 Klenzle, W. F., 92 Ohio  
 (Metal) ..... D  
 Meyercood Co. (Decalco-  
 mania) ..... A  
 Nicol & Co., 57 W. Washn.  
 (Metal) ..... D  
 Turner Brass Wks. (Metal)  
 ..... A  
**ILL.—Elgin**  
 Zeigler Bros. (Metal).... C  
**ILL.—Freeport**  
 Arcade Mfg. Co. (Brass;  
 Aluminum House; Pat-  
 tern) ..... A  
 Stover Mfg. Co. (Door;  
 Metal) ..... AA  
**MASS.—Boston**  
 Robbins Mfg. Co., 58 Knee-  
 land (Metal; Door).... E  
**MASS.—Springfield**  
 Kendall, W. E. (Door).... F  
**MICH.—Detroit**  
 Buhl Stamping Co. (Metal)  
 ..... AA  
 Thorpe Mfg. Co. (Metal). X  
**N. J.—Newark**  
 Benfield & Milne Mfg. Co.,  
 67 Halleck (Metal) .... D  
 Reynolds & Zahn, 46 Me-  
 chanic (Metal) ..... B  
 Schneider, Louis (Chair). H  
**N. Y.—Brooklyn**  
 Brass Goods Mfg. Co.  
 (Metal) ..... B  
**New York City**  
 Caesar Bros., 112 Fulton  
 (Enameled) ..... D  
 New York Stencil Wks.  
 (Door) ..... X  
 Palm-Fetcher Co. (Decal-  
 comania) ..... A  
 Tablet & Ticket Co., 381  
 B'way (for Signs).... B  
**N. Y.—Seneca Falls**  
 Brim, A. W. (Metal).... F  
 Knight & Son, H. W.  
 (Metal) ..... C

**NUMBERS (Con.)**  
**N. Y.—Utica**  
 Blasier & Co., M. E.  
 (Metal) ..... C  
**OHIO—Cleveland**  
 Taylor & Boggs Fdry. Co.,  
 521 Seneca (Metal) ... AA  
**OHIO—Columbus**  
 Simpson Iron Co. (Metal). F  
**PA.—Philadelphia**  
 National Decalcomania Co.  
 (Decalcomania) ..... F  
 Quint's Sons, S. H. (Pew;  
 Pattern; Door) ..... B  
**PA.—Reading**  
 Reading Hdw. Co. (Metal)  
 ..... AAAA  
**R. I.—Providence**  
 Providence Aluminum Co.  
 (Metal) ..... F  
**W. VA.—Wheeling**  
 Wheeling Glass Letter &  
 Novelty Co. (Glass).... C  
**WIS.—Clinton**  
 Smith & Holtnm Mfg. Co.  
 (House) ..... F

## NUTMEGS

See Teas; Coffees & Spices

## NUTS: EDIBLE

For Nuts Peas; See Peanuts

**CAL.—Chico**  
 Warren, E. A. .... C  
**CAL.—Fullerton**  
 Amerige, E. R. & G. H.  
 (Walnuts) ..... B  
**CAL.—Los Angeles**  
 Armsby Co., J. K., 121 W.  
 3d ..... A  
 Germain Fruit Co. (Inc.).. A  
 Inderrieden & Co., J. E.  
 (Br. Chic.) 109 Henne  
 Bk. .... AA  
 Simpson & Hack Fruit Co.  
 ..... C  
**CAL.—Modesta**  
 McHenry Seeded Raisin Co.  
 ..... AA  
**CAL.—Sacramento**  
 Castle Bros. .... AA  
**CAL.—San Francisco**  
 Guggenlime & Co., 118  
 Davis ..... A  
 Hromada, A., 222 Battery  
 ..... B  
 Ivancovich & Co., J., 211  
 Washn. .... A  
 Rosenberg Bros. & Co., 211  
 Cal. (Nut Meats) ..... A  
 Scatena & Co., L., 104  
 Washn. .... B  
 Ulrichs & Co., J. F., 20  
 Clay ..... C  
**CAL.—Santa Ana**  
 Santa Ana Prod. Co. .... C  
**CAL.—Suisun**  
 Alden-Anderson Fruit Co.  
 (Almonds) ..... C  
**CAL.—Yuba City**  
 Rosenberg Bros. & Co.  
 (Br. San Francisco).... A  
**GA.—De Witt**  
 Bacon Pecan Co., G. M.  
 (Pecans) ..... B  
**ILL.—Chicago**  
 Bersotti & Co., J., 119 So.  
 Water ..... C  
**MO.—St. Louis**  
 Barnhart Merc. Co., 518  
 No. 2d (Pecans)..... B  
 Bayle, Geo. A., 113 So.  
 2d (Salted Almonds).. B  
 Funsten & Co., R. E., 300  
 N. Com'l (Pecans) .... B  
 St. Louis Edible Nut Co.,  
 216 N. Com'l (Pecans).. C  
**New York City**  
 Arnulmbau & Ramee, 84  
 Thomas ..... B  
 Bennett, Day & Co., 96  
 Hudson ..... A  
 Crooks & Co., Robt., 136  
 Front ..... AA  
 Hills Bros. Co., 377 Washn.  
 ..... AA  
 Spencer & Co., 163 Gwich.  
 ..... C



**NUTS: EDIBLE (Con.)**

**PA.—Philadelphia**  
Birdsong & Co., 88 N. Del.  
Av. ....B  
Lummis & Co., 148 N. Del.  
Av. ....B  
**TENN.—Memphis**  
Barlow & Co., A. S. ....B  
**TEXAS.—Austin**  
Orr, John (Pecans) ....A  
**TEXAS.—Dallas**  
Jackson & Co., A. A. ....B  
Nigro & Co., N. ....B  
**TEXAS.—Llano**  
Orr, John (Pecans) ....A  
**TEXAS.—San Antonio**  
Duerler Mfg. Co., G. A.  
(Shelled Pecans) ....A  
**TEXAS.—Tyler**  
Woldert Gro. Co. (Pecans) ....C

## NUTS: IRON; STEEL; BRASS, ETC.

See also Bolts

**ALA.—Birmingham**  
Southern Bolt & Nut Wks.  
(Bicycle, &c.) ....B  
**COLO.—Denver**  
Colorado Fuel & Iron Co.,  
Boston Bldg. (Tapped) ..AAAA  
**CONN.—Hartford**  
Billings & Spencer Co.  
(Thumb; Wing) ....A  
**CONN.—Middale**  
Clark Bros. & Co. (Special;  
all Kinds) ....A  
**CONN.—Mt. Carmel**  
Mt. Carmel Bolt Co. (Stove;  
Bolt; Rod) ....B  
**CONN.—Southington**  
Aetna Nut Co. ....A  
Southington Cutlery Co.  
(Cold; Punched; Tapped;  
Tire Bolt) ....AA  
**CONN.—Unionville**  
Union Nut & Bolt Co. (Hot  
Pressed; Iron) ....A  
Upon Nut Co. (Bicycle;  
Case Hardened; Check;  
Jam; Cold Punched; Hot  
Pressed; Joint; Machine  
Screw; Semi-Finished;  
Tapped; Thumb; Wing;  
Tire Bolt) ....AAA  
**CONN.—Winsted**  
Moore-Franklin Co. (Bi-  
cycle; Joint) ....A  
Richards Hdw. Co., T. C.  
(Bicycle; Tire Bolt) ...C  
**ILL.—Chicago**  
Ill. Screw Co., 19 Lake  
(Boller Patch; Planer  
Herd) ....C  
Republic Iron & Steel Co.,  
Stock Exch. Bldg. (Hot  
Pressed; Joint Sleeve;  
Stove Bolt; Rod; Tapped;  
Thumb; Wing; Tire  
Bolt) ....AAAA  
Standard Screw Co., 2 N.  
Canal. (Bicycle; Iron;  
Brass Cap; Check; Jam;  
Double Cupped; Machine  
Screw; Collars; Semi-  
Finished; Tapped; Thumb;  
Wing) ....AAAA  
**MD.—Baltimore**  
Natl. Supply Co., 7 W.  
Lombard (Cold Punched;  
Hot Pressed) ....B  
**MASS.—Boston**  
Boston Bolt Co., 33 Pur-  
chase (Sleeve; Thumb) ....B  
**MASS.—Worcester**  
Worcester Ferrule & Mfg.  
Co. ....C  
**MICH.—Detroit**  
Mich. Bolt & Nut Works.  
Meldrum Av. (Iron; Hot  
Pressed; Tapped; Thumb;  
Wing) ....B  
**MO.—Kansas City**  
Kansas City Bolt & Nut  
Co., Inde. Av., cor. Bris-  
tol (Check; Jam; Hot

## NUTS: IRON; STEEL Pressed; Sleeve; Tapped)

**MO.—St. Louis**  
Moran Bolt & Nut Mfg. Co.  
Florida & Main (Cold  
Punched; Hot Pressed;  
Joint; Sleeve; Stove; Bolt;  
Rod; Tapped) ....A  
St. Louis Screw Co., 8017 N.  
13th (Bicycle; Brass Cap;  
Brass; Copper; Case Hard-  
ened; Check; Jam; Cold  
Punched; Double Cupped;  
Hot Pressed; Joint;  
Knotted; Mach. Screw;  
Nuts; Collars; Semi-Fin-  
ished; Stove Bolt; Rod;  
Wing) ....B  
**New York City**  
Greenlie, Wyatt & Co., 499  
Water (Tapped) ....B  
Union Nut & Bolt Co., 107  
Chambers (Hot Pressed) ....B  
**N. Y.—Port Chester**  
Russell, Burdall & Ward  
Bolt & Nut Co. (Bicycle;  
Case Hardened; Check;  
Jam; Cold Punched; Joint;  
Semi-Finished) ....AA  
**N. Y.—Rochester**  
Rochester Mach. Screw Co. ....B  
**OHIO.—Cleveland**  
Bourne & Knowles Mfg. Co.  
8 Main (Cold Punched) A  
Eberhard Mfg. Co., Tenny-  
son & C. & P. R. R.  
(Wing) ....AA  
Kirk-Latty Mfg. Co., Mal-  
colm, at Nickelplate R.  
R. (Cold Pressed) ....B  
Lamsen & Sessions Co., 412  
Scranton Av. (Stove; Hot  
Pressed; Bolt; Rod;  
Tapped; Wing) ....AA  
National Screw & Tack Co.,  
Stanton & C. & P. R. R.  
(Tapped) ....AA  
**OHIO.—Columbus**  
Berry Bros. (Tire Bolt) ...B  
Lanman Co., E. B. (Cold  
Punched) ....C  
**PA.—Allegheny**  
Graham Nut Co., 755 Re-  
becca (Check; Jam; Cold  
Punched; Tapped) ....C  
**PA.—Lancaster**  
Penn. Iron Co. (Cold  
Punched; Hot Pressed;  
Tapped) ....A  
**PA.—Lebanon**  
Am. Iron & Steel Mfg. Co.  
(Case Hardened; Cold  
Punched; Joint; Semi-Fin-  
ished; Tapped; Wing) ....AAAA  
**PA.—Milton**  
Milton Mfg. Co. (Case Hard-  
ened; Cold Punched; Hot  
Pressed; Semi-Finished) A  
**PA.—Philadelphia**  
Hooper & Townsend Co.,  
1330 Buttonwood (Case  
Hardened; Cold Punched;  
Double Cupped; Hot  
Pressed; Joint; Collars;  
Semi-Finished; Tapped;  
Wing) ....AAA  
Phosphor Bronze Smelting  
Co., 220 Wash. Av. (Phos-  
phor Bronze) ....B  
**PA.—Pittsburg**  
Lanz & Sons, M., 101 S.  
29th (Hot Pressed;  
Tapped) ....B  
Oliver Iron & Steel Co., S.  
10th & Muriel (Hot  
Pressed; Joint; Tapped) ....AAAA  
Pittsburg Malleable Iron  
Co. ....A  
Pittsburg Screw & Bolt Co.,  
25th & Liberty (Case  
Hardened; Cold Punched;  
Semi-Finished) ....B  
Pittsburg Mfg. Co., 28th &  
A. V. Ry. (Hot Pressed) ....B  
**PA.—Scranton**  
Scranton Bolt & Nut Co.

**NUTS: IRON; STEEL**

(Hot Pressed) .....

**R. I.—Pawtucket**Haskell Mfg. Co., Wm. H.  
(Case Hardened; Check;  
Jam; Cold Punched;  
Double Cupped; Joint;  
Collars; Semi-Finished;  
Wing) .....**Pawtucket Mfg. Co. (Cold  
Punched; Semi-Finished;  
Iron) .....****R. I.—Providence**Am. Screw Co., 21 Stevens  
(Stove Bolt; Rod; Tire  
Bolt) .....**R. I. Tool Co. (Brass; Cop-  
per; Case Hardened; Col-  
lar; Joint; Mach. Screw;  
Semi-Finished; Tapped;  
Wing) .....****VA.—Richmond**Old Dom. Iron & Nail Wks.  
Co. (Hot Pressed; Ma-  
chine Screw; Semi-Fin-  
ished; Tapped) .....**OAK**

See Lumber

**OAKUM****CONN.—Cobalt**Tibbals Oakum Co.  
(Carded) .....**MAINE—Camden**

Alden, H. L. ....

**MD.—Baltimore**Balto. Oakum Wks., 916  
S. B'way .....**MO.—St. Louis**Broderick & Bascom Rope  
Co., 809 N. Main. ....Leschen & Sons Rope Co.,  
A., 920 N. 1st .....**N. J.—Jersey City**

Baker, Wm. T. ....

Stratford Oakum Co., Geo.  
(Navy) .....**N. Y.—Brooklyn**

Chelsea Jute Mills. ....

Planet Mills Mfg. Co., 335  
Carroll .....**New York City**Amer. Mfg. Co., 63 Wall..  
.....**Davey's Sons, W. O., 47  
South .....****De Grauw, Aymar & Co.,  
.....****Disbrow & Co., 56 Warren  
F .....****Hoffman-Corr Mfg. Co., 107  
Duane .....****Lawrence Cordage Wks., 46  
South .....****Marine Mfg. & Supply Co.,  
156 South .....****Mayer, Lane & Co., 128  
White .....****Sealy, Thomas, 142 Front. C  
Travers Bros. Co., 41 Worth  
AA .....****OARS****ARK.—Devall Bluff**Wells Boat Oar Co., C. F.  
D .....**ARK.—Silica**

Lena Lumber Co. (Car)...X

**LA.—Baton Rouge**

Moorman Eli S. ....

**MASS.—Boston**

Hinckley Bros. &amp; Co. ....

Shaw &amp; Co., T. J. ....

Sheldon & Co., O. (also  
Paddles) .....**MICH.—Detroit**

Dodge, Jasper N. ....

**N. Y.—Canton**

Rushton, J. H. ....

**New York City**De Grauw, Aymar & Co.  
(Also Paddles) .....Estes & Sons, E. B., 45  
John (Also Paddles)...AA**New York Boat Oar Co., 69  
West (Rough; Spoon)...A**

Smith, John T. ....

**OHIO—West Unity**

West Unity Mfg. Co. ....

**OATMEAL**

See Cereals

**OBOES**

See Musical Instruments

**OCHRE**

See also Colors

**GA.—Cartersville**

Amer. Ochre Co. ....

**MICH.—Detroit**Acme White Lead & Color  
Wks. ....Detroit White Lead Wks.  
AAA**New York City**

Bartels Co., Ernest C. ....

Longman &amp; Martines. ....

Smith & Co., J. Lee, 59  
Frankfort (French; Gold-  
en) .....

Tiemann &amp; Co., D. F. ....

**OHIO—Cleveland**

McNairy &amp; Co., Amos B. ...

**PA.—Easton**

Williams &amp; Co., C. K. ....

**PA.—Philadelphia**

Lucas &amp; Co., John. ....

Wetherill Co., S. P., 925  
Chestnut .....**PA.—Reading**

Wilhelm Co., A. ....

**VT.—Bennington**

Adams Co., Enos. ....

**ODOMETERS****CONN.—Hartford**Veeder Mfg. Co. (Auto-  
mobile) .....**ILL.—Chicago**

McDonnell Odometer Co. ...X

**New York City**

Keuffel &amp; Essex Co. ....

**N. Y.—Troy**

Gurley, W. &amp; L. E. ....

**OFFSETS****CONN.—Plantville**Smith & Co., H. D. (Ve-  
hicle) .....**MINN.—Minneapolis**Union Iron Wks. (Car-  
riage) .....**N. Y.—Auburn**Clapp Mfg. Co., E. D.  
(Vehicle) .....**WIS.—Milwaukee**Filler & Stowell Co. (Band  
Saw Carriage) .....**OHMMETERS****CONN.—Hartford**

Veeder Mfg. Co. ....

**ILL.—Chicago**Illinois Elect. Specialty Co.,  
Tacoma Bldg. (Direct  
Reading) .....Jewell Elect. Instrument  
Co., 358 Dearborn .....**IND.—Fort Wayne**Fort Wayne Electric Corp.  
AAAA**N. H.—Penacook**Whitney Elec. Instrument  
Co. ....**New York City**Bunnell & Co., J. H., 20  
Park Pl. ....**PA.—Philadelphia**Keystone Electrical Instru-  
ment Co. ....

Wirt Electric Co. ....

**OIL**See also Petroleum; Grease,  
etc.For Cottonseed Oil see Fol-  
lowing Heading

For Olive Oil—See Olives

**CAL.—Berkeley**El Dorado Linseed Oil Wks  
Linseed) .....**CAL.—Los Angeles**

Hercules Oil Refining Co.

<b>OIL (Con.)</b>	<b>OIL (Con.)</b>
(Lubricating) ..... O	IND.—Indianapolis
Warren & Baily Mfg. Co.	Miller Oil & Supply Co.
(Lubricating) ..... O	(Lubricating) ..... O
<b>CAL.—Pasadena</b>	IND.—Jeffersonville
San Gabriel Valley Essen-	Pfau & Sons, Geo. (Lubri-
tial Oil Co. (Essential) .. O	cating) ..... A
<b>CAL.—San Francisco</b>	IND.—South Bend
Olinch & Co., O. G., 9	O'Brien Varnish Co. (Lin-
Front (Lubricating) .... A	seed) ..... A
Dixon Crucible Co., Jos.,	IOWA—Cedar Rapids
304 Mkt (Lubricating) ....	Sinclair & Co., T. M. (Inc.)
AAA	(Lard) ..... AAA
Fuller & Co., W. P. (Lubri-	IOWA—Council Bluffs
cating) ..... AAAAA	Monarch Mfg. Co. (Lubri-
Herrmann Co., Geo. (Essen-	cating) ..... B
tial) ..... B	IOWA—Sioux City
Mason & Co., R. N., 115	Sioux City Linseed Oil Wks
Front (Lubricating) .... A	(Linseed) ..... B
New York Lubricating Oil	<b>KANS.—Fredonia</b>
Co., 580 California (Lubri-	Lyster, F. E. (Linseed) A
cating) ..... A	<b>KANS.—Topeka</b>
Pacific Coast Oil Co. (Ma-	Topeka Linseed Oil Wks.
chinery; Illuminating) ....	(Linseed) ..... B
AAAA	<b>LA.—Crowley</b>
Pacific Steam Whaling Co.	Lawrence Feed Co. (Rice)
(Fish) ..... A	A
Redington & Co. (Essential)	<b>LA.—New Orleans</b>
AAA	McWilliams, R. (Ltd.) (Bi-
Whittier, Coburn Co., 18	cycle; Sewing Machine;
Fremont (Lubricating) ....	Cylinder; Engine; Ma-
AAA	chinery; Harness) ..... X
<b>CAL.—Santa Barbara</b>	<b>MD.—Baltimore</b>
Cooper - Ellwood (Salad	Bullock & Son, John (Neats-
Olive) ..... B	foot) ..... X
<b>CONN.—Essex</b>	Chesapeake Oil Co. (Lubri-
Dickinson & Co., E. E.	cating) ..... D
(Essential) ..... A	McCormick & Co. (Castor;
<b>CONN.—Hartford</b>	Wintergreen; Synthetic)
Tracy Oil & Varnish Co.	D
(Castor, Machinery; Har-	Red C. Oil Mfg. Co., 38 S.
nass) ..... X	Calvert (Lubricating) D
<b>GA.—Savannah</b>	Robinson & Son, Wm. C.,
Shotton Co., S. P. (Rosin;	217 South (Lubricating) B
Linseed) ..... AAAA	
<b>ILL.—Aurora</b>	<b>MASS.—Boston</b>
Akron Mining, Milling &	Billings, Clapp & Co. (Fu-
Mfg. Co. (Lubricating) B	sel) ..... B
<b>ILL.—Chicago</b>	Bird & Co., J. A. & W., 34
Armour & Co. (Lubricating;	India (Dust Absorbing
Neatsfoot) ..... AAAA	Floor) ..... AA
Besly & Co., Chas. H.	Boston Belting Co. (Hose)
(Lubricating; Helmet) ....	AAAA
AA	Hoskins, Leander M. (Cur-
Champion Oil Co. (Lubri-	riers') ..... A
cating, also for Hot Box)	Jenney Mfg. Co., 291 W.
B	1st (Lubricating) ..... A
Chicago White Lead & Oil	Leonard & Co., Geo. H.
Co. (Linseed) ..... AA	(Lubricating; Menhaden;
Clark, F. O. (Lubricating)	Cod Liver) ..... A
D	Macomber & Co., H. S. (Lu-
Crew, Leveck Co. (Lubri-	bricating) ..... D
cating; Cylinder; Machin-	Masury, Youny & Co., 198
ery; Mineral; Rope Wool;	Milk (Lubricating) .... B
Illuminating; Jute) AAA	Union Grease Co. (Signal)
Dearborn Drug & Chemical	X
Wks., Rialto Bldg. (Lubri-	Vacuum Oil Co., 101 Milk
cating) ..... A	(Lubricating) ..... AAAA
Fairbank Co., N. K. (Tal-	Wood & Co., W., 373 At-
low) ..... AAAA	lantic Av. (Lubricating)
Frazer Lubricator Co., 35	B
Superior (Lubricating) ....	Young, Frank L. & Kimball
AAAA	(Sperm; Menhaden) .... A
Glucose Sugar Refining Co.	<b>MASS.—Cambridge</b>
(Cooking) ..... AAAA	Whittemore Bros. & Co.
Magie Bros., 9 N. Canal	(Sewing Machine) ... AA
(Lubricating) ..... B	<b>MASS.—Gloucester</b>
Morris & Co., Nelson (Tal-	Dodd & Co., A. W. (Cod
low) ..... AAAA	Liver; Sperm; Whale;
Reid, Murdock & Co. (Co-	Fish) ..... B
coanut) ..... AAAA	<b>MASS.—New Bedford</b>
Roemheld & Co., J. (Cog-	Kelley Oil Wks. (Clock;
nac) ..... F	Watch; Sewing Machine;
Speare's Sons Co., 54 N.	Typewriter; Machinery)
Canal (Lubricating) .... AA	B
Stuart & Co., D. A. (Inc.)	Nye, W. F. (Anti Rust;
(Cylinder; Machinery;	Bicycle; Clock; Watch;
Wool) ..... C	Gun; Jewelers Lathe Sew-
Sullivan Oil Co., 48 N.	ing Machine; Typewriter;
Wells (Lubricating) .... B	Fish; Cylinder; Dynamo;
<b>ILL.—Quincy</b>	Engine; Machinery; Spin-
Richardson Lubricator Co.	dle; Sperm; Whale; Har-
(Lubricating) ..... C	ness; Signal) ..... A
<b>ILL.—Rockford</b>	Robinson & Co., W. A.
West Mfg. Co., L. M. (Har-	(Fish; Whale; Menhaden;
nass) ..... X	Sea Elephants) ..... B
<b>ILL.—Rock Island</b>	<b>MASS.—Worcester</b>
Lewis Roofing Co. (Creo-	White & Bagley Co., 100
sote) ..... B	Foster (Lubricating) .. C
<b>IND.—Hammond</b>	<b>MICH.—Bronson</b>
Hammond Co., G. H. (Tal-	Rudd, F. M. (Spearpaint;
low) ..... AAAA	Tansy; Wormwood; Brige-
	ron) ..... A

**OIL (Con.)**  
**MICH.—Detroit**  
 Acme White Lead & Color  
 Wks (Gold Size)....AAA  
 Detroit Graphite Mfg. Co.,  
 540 River (Lubricating) A  
 Michigan Carbon Wks.  
 (Neatsfoot) .....AAA  
 Parke, Davis & Co. (Cod  
 Liver) .....AAAA  
 Republic Oil Co., 701 Belle-  
 vue Av. (Lubricating) AA  
 Wing & Co., J. T., 19  
 Woodward Av. (Lubricat-  
 ing) .....C  
**MICH.—Kalamazoo**  
 Todd Co., A. M. (Pepper-  
 mint; Spearmint; Winter-  
 green) .....A  
**MICH.—Mendon**  
 Beebe, Albert E. (Essential)  
 C  
**MICH.—Pearl**  
 Todd, A. M. (Essential) A  
**MICH.—Three Rivers**  
 Hall, H. (Essential).....D  
**MINN.—St. Paul**  
 Craig Oil Co. (Lubricating)  
 AA  
 St. Paul Linseed. Oil Co.  
 (Linseed) .....B  
 St. Paul White Lead & Oil  
 Co. (Linseed) .....B  
**MO.—East Lynne**  
 Zook Bros. (Linseed) ....E  
**MO.—Kansas City**  
 Amer. Linseed Co. (Linseed)  
 AAAAA  
 Interstate Oil Co. (Lubri-  
 cating) .....C  
 Keystone Oil Co. (Armour  
 Bldg.) (Lubricating)....C  
 Marsh Oil Co. (Lubricating;  
 Castor) .....A  
**MO.—St. Louis**  
 Crown Linseed Oil Wks.  
 (Linseed; Boiled Linseed)  
 B  
 Goodwin Mfg. Co. (Red)  
 AA  
 Herf & Frericks Chem. Co.  
 (Fusel; Wintergreen; Syn-  
 thetic) .....A  
 Jones & Co., Geo. P., 704  
 N. Main (Lubricating) A  
 Mallinckrodt Chem. Wks.  
 (Fusel) .....AAAA  
 Mound City Paint & Color  
 Co. (Linseed) .....AA  
 National Lead Co. (Linseed)  
 AAAAA  
 Waters-Pierce Oil Co. (Ma-  
 chinery; Illuminating)....  
 AA  
**M. J.—Bloomfield**  
 McKenzie Bros. & Hill (Es-  
 sential) .....B  
**N. J.—Camden**  
 Hollingshead & Co., R. M.  
 (Harness) .....B  
**N. J.—Elizabeth**  
 Borne, Scrymser & Co.  
 (Lubricating) .....A  
**M. J.—Garfield**  
 Fritzsche Bros. (Essential)  
 AA  
**N. J.—Jersey City**  
 Dixon Crucible Co., Jos.  
 (Graphited) .....AAA  
 N. J. Car Spring & Rubber  
 Co. (Hose) .....AA  
**N. J.—Kearney**  
 Cromwell-Walker Co. (Cre-  
 osote) .....C  
**N. J.—Newark**  
 Atlas Refinery (Neatsfoot)  
 D  
 Gladding Oil Co. (Hose)....F  
**N. Y.—Albany**  
 Albany Chemical Co. (Fusel)  
 A  
 Murphy, E. W., 109 Mont-  
 gomery (Lubricating) AA  
 Wing & Son, Robt., 62  
 Quay (Lubricating) ....B  
**N. Y.—Amsterdam**  
 Kellogg & Miller (Linseed)  
 AAA  
**N. Y.—Binghamton**  
 Binghamton Oil Refining  
 Co. (Anti-Rust; Carriers;  
 Bicycle Sewing Machine:

**OIL (Con.)**  
 Cylinder; Drill; Dynamo  
 Engine; Machinery; Rail-  
 way; Spindle; Valve;  
 Rope; Whale; Miners') A  
**N. Y.—Brooklyn**  
 Crombie & Co., J. A. (Es-  
 sential) .....B  
 Davis Oil Co. (Neatsfoot;  
 Lard) .....B  
 Livingston Laboratory, 190  
 Wyona (Bead; Agene;  
 Elixir) .....D  
 Miller Co., W. P. (Car Axle;  
 Cylinder; Dynamo En-  
 gine; Machinery; Spindle;  
 Valve) .....D  
**N. Y.—Buffalo**  
 Buffalo Specialty Mfg. Co.  
 (Harness) .....B  
 Mann Bros. & Co. (Linseed)  
 A  
 Merchants Refining Co.  
 (Cylinder Stocks, &c.)...C  
 Schoelkopf, Hartford &  
 Hanna Co. (Cod Liver;  
 Fusel) .....AAA  
**N. Y.—Le Roy**  
 Rogers, F. C. (Linseed) D  
**N. Y.—Newark**  
 Pierson & Co., E. V. (Es-  
 sential) .....B  
 Stuart & Co., C. H. (Es-  
 sential) .....A  
 New York City  
 Alexander Co., H. T., 34  
 Water (Lubricating)....C  
 Amer. Dust Absorbing Floor  
 Oil Co., 441 B'way.....F  
 Amer. Linseed Co. (Linseed)  
 AAAAA  
 Baker & Bro., H. J., 100  
 William (Castor) ....AA  
 Benners Co., E. H., 61 Pearl  
 (Lubricating) .....C  
 Bliven & Carrington (Lubri-  
 cating) .....B  
 Borne Scrymser & Co. (Lu-  
 bricating; Belting; Car  
 Axle; Cylinder; Drill; En-  
 gine; Machinery; Rail-  
 way; Valve; Mineral;  
 Sperm; Whale; Lard)....A  
 Buxton, Helms & Co., 12 Ja-  
 cob (Lubricating) .....C  
 Calif. Essence Distilling  
 Wks. (Essential) .....B  
 Cambell & Thayer (Lin-  
 seed; Illuminating; Boll-  
 ed Linseed) .....B  
 Carter, C. W. H. (En-  
 gineers Plate) .....A  
 Casey & Co., J. A. (Lubri-  
 cating) .....B  
 Caswell Massey Co. (Hair)  
 X  
 Centaur Co. (Castor ....B  
 Chaskel Chemical Wks.  
 (Cognac; Essential; Fruit;  
 Ageing) .....X  
 Chris. Antoine, 18 Platt  
 (Bay; Bergamot; Laven-  
 der; Orris; Rose; Rose-  
 mary; Peppermint) ....A  
 Clarkson & Ford, 224 Front  
 (Lubricating) .....C  
 Colgate & Co. (Sperm)  
 AAAAA  
 Columbia Oil Co. (Lubricat-  
 ing) .....A  
 Columbia Refining Co. (Ma-  
 chinery; Whale; Illu-  
 minating) .....B  
 Cook's Sons, Adam (Lubri-  
 cating; Cylinder; Dynamo  
 Engine; Machinery)....B  
 Cooper & Co., Chas. (Fusel)  
 AA  
 Corn Products Co., 25  
 Broad (Corn) .....AAAA  
 Coward, M., 279 Greenwich  
 (Haarlem) .....X  
 Devoe, F. W. & C. F. Ray-  
 nolds Co. (Artistic; China;  
 Decorative) .....AAAA  
 Dodge & Olcott (Essential)  
 AAAAA  
 Dreyer & Co., P. R., 16  
 Cedar (Cod Liver) ....X  
 Elbert & Co., Job (Menha-  
 den; Cod Liver).....X  
 Ellis & Co., John (Lubricat-  
 ing) .....AAA

**OIL (Con.)**

Euler & Robeson (Essential) C  
 Fischer Chemical Importing Co. (Essential) O  
 Fiske Bros. Refining Co., 59 Water (Belting; Carriers; Sewing Machine; Lubricating; Car Axle; Cylinder; Drill; Dynamo; Engine; Machinery; Wagon Axle; Railway; Red; Spindle; Valve; Rope; Wool; Illuminating; Jute; Lard) A  
 Flanagan-Blanchet (Essential) D  
 Fuerst Bros. & Co. (Cocanut; Castor; Essential) B  
 Giese & Son, A. (Essential) D  
 Goldsticker, L. & M. (Essential) B  
 Grossmith, T. T. (Essential) A  
 Gutta Percha & Rubber Mfg. Co. (Hose) AAAAA  
 Haggerty Refining Co., 50 South (Lubricating) B  
 Harrison Bros. & Co. (Artists) AAAAA  
 Haws, Geo. A., 25 Bridge (Lubricating; Neatsfoot, for Silk Mfrs.) C  
 Hill's Sons Co., Edw. (Cocanut) AA  
 Horner, J. B. (Essential) AA  
 Hutchinson, D. W. (Essential) D  
 Hisley, Doubleday & Co. (Linseed) Harness; Carriers; Sewing Machine; Car Axle; Wagon Axle; Cylinder; Drill; Dynamo; Engine; Machinery; Railroad; Valve; Signal) C  
 Job, Elbert & Co., 68 Broad (Corn; Fish; Seal; Cod) B  
 Kanter & Co., 647 Water (Lubricating) B  
 Keith & Co., B. (Essential) F  
 Kellogg & Co. (Anti-Rust; Gum; Car Axle; Cylinder; Dynamo; Engine; Machinery; Signal) B  
 Lanman & Kemp (Cod Liver) AAA  
 Lerberger Bros. (Essential) A  
 Lehn & Fink (Cod Liver) AAA  
 Leonard & Ellis (Lubricating; Machinery) AAAA  
 Loeb & Co., Herman (Menhaden) B  
 Longman & Martinez (Cylinder; Machinery; Illuminating; Linseed) AAA  
 Lueders & Co., G. (Essential) A  
 Maas & Walstein (Essential; Fusel) A  
 Mcesson & Robbins (Essential; Sewing Machine; Cod Liver) AAAAA  
 Magnus & Lauer (Essential; Cocanut) B  
 Manhattan Oil Co., 51 Front (Refined Cotton Seed, Elaine Sewing Machine; Fish; Cylinder; Engine; Machinery; Railway; Red; Spindle; Valve; Mineral; Neatsfoot; Sperme; Whale; Lard; Salad; Animal) D  
 Manheimer & Eben (Essential) C  
 Marchle, E. (Essential) C  
 Matheson & Co., Wm. J. (Essential) A  
 Mergentine & Lamm (Essential) B  
 Michaels, L. J. (Essential) A  
 Miller Co., Frank (Sewing Machine; Car Axle; Wagon Axle; Harness) B  
 National Lead Co. (Castor) AAAAA

**OIL (Con.)**

N. Y. Lubricating Oil Co. (Lubricating) B  
 Orvine Co. (Essential) D  
 Paterson, Boardman & Co. (Cocanut) AAAA  
 Post & Co. (Belting) X  
 Pulver & Sons, Peter (Car Axle) D  
 Reed & Hewlett (Castor; Refined Cotton Seed Cylinder; Engine; Machinery; Valve; Mustard Seed; Rope Seed; Signal) B  
 Bockhill, C. (Essential) B  
 Rudkin Co., Wm. H. (Cognac; Essential; Fruit) D  
 Schieffelin & Co., W. H. (Cod Liver) AA  
 Scott & Bowne (Castor; Cod Liver) AAAAA  
 Shafer & Co., I. (Essential) A  
 Shipkoff & Co. (Essential) A  
 Smith & Nichols (Machinery) A  
 Solary & Co., J. (Essential) D  
 Stallman & Fulton (Cod Liver) A  
 Standard Oil Co. of N. Y. (Lubricating; Belting; Bicycle; Gun; Wagon Axle; Cylinder; Drill; Dynamo; Engine; Machinery; Railway; Valve; Mineral Rope; Wool; Illuminating; Signal; Jute) AAAAA  
 Stiwell, A. A. (Essential; Fruit) A  
 Swan & Finch Co. (Lubricating; Crude; Refined; Bicycle; Cylinder; Dynamo; Engine; Machinery; Railway; Spindle; Mineral; Neatsfoot Illuminating; Jute; Lard; Salad; Fish; Whale; Seal) A  
 Tide Water Oil Co. (Black; Curriers; Fish; Cylinder; Dynamo; Engine; Machinery; Red; Spindle; Paraffine; Wool; Illuminating; Signal) AAAAA  
 Ungerer & Co. (Essential) D  
 Warrick Freres & Co. (Essential) B  
 Wilcox Lard & Refining Co., W. J. (Tallow) AA  
 Winn, Wm. R., 143 Maiden Lane (Lubricating) C  
 Winterbourne & Co., S., 94 Pine (China Wood) B  
 Wergreen Chemical Co., 130 Fulton (Flower) X  
 Wood & Selick (Essential) A  
 Zinkelsen & Co. (Essential) C  
 N. Y.—Orangeburg  
 Empire Engine & Motor Co. (Pneumatic Tool) B  
 N. Y.—Rochester  
 Southwick, T. T. (Lubricating) U  
 Vacuum Oil Co. (Lubricating; Sewing Machine; Hoof; Cylinder; Engine; Machinery; Railway; Spindle; Valve; Harness; Signal) AAAAA  
 N. Y.—Syracuse  
 Syracuse Reduction & Mfg. Co. (Lubricating) C  
 Will & Baumer Co. (Red) AA  
 N. Y.—Troy  
 Troy Belting & Supply Co. (Cylinder; Machinery; Wool) O  
 Troy Oil Wks (Engine; Cylinder; Wool) A  
 N. C.—Beaufort  
 Dey, C. P. (Fish) D  
 N. C.—Wilmington  
 Spiritine Chem. Co. (Tar) C  
 N. DAK.—Fargo  
 Fargo Linseed Mills (Linseed) U

**OIL (Con.)****OHIO—Cincinnati**

Amer. Cotton Oil Co. of Ohio (Miners; Salad; Cooking) .....AA  
 Burckardt & Co., 323 Syracuse (Lubricating) ...AA  
 Cinn. Linseed Oil Co. (Linseed) .....A  
 Emery Candle Co. (Black; Red; Elaine) .....AA  
 Fries & Bros., Alex (Essential; Ageing) .....AA  
 Harkness & Cowing Co. (Red) .....A  
 Moore Oil Co., Chas. H. (Linseed) .....A  
 New Process Oil Co., 50 Elm (Lubricating) ....B  
 Ogiloy, David J. (Rope) B  
 Paragon Refining Co. (Cylinder; Valve; Engine) AA  
 Star Oil Co., Brighton St. (Lubricating) .....AAAA  
 Valvoline Oil Co., 1755 Elmwood (Lubricating) AAA  
 Winkler & Co., Isaac (Coconut) .....AA  
**OHIO—Cleveland**  
 Atlantic Refining Co. (Garfield Bld'g (Lubricating; Floor) .....A  
 Brooks Oil Co. (Sewing Machine; Car Axle; Machinery; Neatsfoot; Harness) A  
 Climax Refining Co. (Castor) .....D  
 Commercial Oil Co. (Linseed;; Castor; Harness) E  
 Crystal Oil Refining Co., 185 St. Clair (Headlight) D  
 Ensign Refining Co. (Illuminating) .....F  
 Globe Oil Co. (Black Curriers; Cylinder; Engine; Machinery) .....A  
 Harbaugh Co., A. G. (Tallow; Miners; Lard) ...A  
 Monitor Oil Co. (Cylinder; Red; Spindle; Neutral)..O  
 National Refining Co., Rose Bldg. (Cylinder; &c.) AAA  
 Reliance Oil & Grease Co., (Car Axle; Drill; Engine; Dynamo; Machinery; Cylinder; Mustard Seed)...X  
 Republic Oil Co. (Lubricating) .....AAA  
**OHIO—Columbus**  
 Ironsides Co. (for Gearing; &c.) .....O  
 Janton & Sons, G. (Lard) B

**OHIO—Dayton**

Buckeye Iron & Brass Wrks. (Linseed) .....AA  
 Pope & Co., H. L. (Linseed) B

Thresher & Co. (Linseed; Boiled Linseed) .....AA

**OHIO—Mansfield**

Mansfield Linseed Oil Co. (Linseed) .....A

**OHIO—Newark**

Styron, Beggs & Co. (Lubricating; Castor) .....A

**OHIO—St. Marys**

American Linseed Oil Co. (Linseed) .....AAAA

**OHIO—Sandusky**

Jarecki Chemical Co. (Fish) AAA

**OHIO—Toledo**

National Cement & Rubber Mfg. Co. (Almond; Bicycle; Lubricating; Miners') O

Sun Oil Co., The (Petroleum; Paraffine) ..AAAA

**OHIO—Warren**

Griswold Linseed Oil Co. (Linseed; Boiled Linseed) AA

**PA.—Allegheny**

Miller's & Sons Co., A (Cylinder; Engine; Dynamo) B

Sipe & Co., Jas. B. (Japan) B

**OIL (Con.)****Thompson & Co. (Linseed)**

PA.—Bradford A

Emery Mfg. Co. (Steam Refined Cylinder Stock) AAAAA

Hoffman, R. J. (Lubricating) .....A

Penn. Lubricating Co., of Pa. (Lubricating) .....B

PA.—Chester Manufacturers' Paraffine Co. (Paraffine) .....B

PA.—Easton Heft Lubricating Oil Co. (Lubricating) .....A

World Refining Co. (Lubricating; Castor; Belting; Bicycle; Clock & Watch; Sewing Machine; Car Axle; Cylinder Drill; Dynamo; Engine; Machinery; Red; Spindles; Neatsfoot; Rubbing; Tallow; Wool; Harness; Linseed) ....D

PA.—Emlenton Emlenton Refining Co. (Cylinder; Engine; Spindle; Dynamo) .....AA

PA.—Erie Erie Oil Co. (Lubricating) A

PA.—Franklin Eclipse Lubricating Oil Wrks. (Valve; Wool; Illuminating) .....X

Franklin Oil Wrks. (Sewing Machine; Lubricating; Machinery Valve) .....X

Galena Oil Wrks. (Lubricating) .....AAAA

Galena Signal Oil Co. (Coach; Engine; Car Oils; Valve; Signal) .....AAAA

PA.—Freedom Freedom Oil Wrks. (Castor; Lubricating; Cylinder; Dynamo; Engine; Machinery; Spindle; Mineral; Rubbing; Neutral; Wool; Harness; Illuminating; Signal; Linseed) .....A

PA.—Oil City Crystal Oil Wrks. (Railroad) .....B

German Refining Co. (Cylinder; Spindle; Engine; Valve; &c.) .....A

PA.—Pennsburg Hillegas & Krauss (Linseed) E

PA.—Philadelphia Atlantic Refining Co. (Cylinder; Engine; Machinery; Railway; Illuminating) AAAAA

Barrett Mfg. Co. (Creosote) AAAAA

Blabon, Geo. W. Co. (Linseed) .....AAAA

Continental Mfg. Co. (Sewing Machine) .....D

Crew, Levick Co., 113 Arch (Cylinder; Spindle; Paraffine &c.) .....AAAA

Dodge & Olcott (Essential) AAAAA

Eclipse Cement & Blacking Co. (Harness) .....O

France Packing Co., 6512 State Road (Lubricating) B

Fricke, Arthur (Hair) ....C

Hires, Chas. E. (Essential) AA

Houghton & Co., E. F., 240 W. Somerset (Cutting; Polishing; Drilling; Tempering; Lubricating) ..AA

Lewis & Bros. Co., J. T. (Linseed) .....AAAA

Powers-Weightman-Rosengarten Co. (Essential) AAAAA

Stevenson Bros. & Co. (Anti-Rust; Lubricating) ....B

Sunlight Oil & Gasoline Co., 217 Arch (Lubricating & Cylinder) .....B

Union Petroleum Co. (Lubricating; Illuminating) AA

Vail Bros. (Sewing Ma-

**OIL (Con.)**

chine; Hair) .....O  
 Zurn Co., O. F., 408 Vine  
 (Lubricating) .....B  
**PA.—Pittsburg**  
 Atlas Paint Co., (Ltd.) 2638  
 Liberty Av. (Japan) ...X  
 Dalzell & Son Co., Jas., 109  
 Water (Lubricating) ...O  
 Guffey Petroleum Co., J. M.,  
 Frick Bldg. (Petroleum;  
 Refiners) .....AAAA  
 Japan Linseed Oil Co. (Lin-  
 seed; Japan) .....X  
 McClintock & Irvine Co.  
 Neville & P. R. R.; (Lu-  
 bricating) .....B  
 Miller's Sons Co., A. D. (Cyl-  
 inder; Engine; Harness;  
 Illuminating; Miners';  
 Signal) .....B  
 National Lead & Oil Co.,  
 of Penn. (Linseed; Re-  
 fined Linseed) .....AAAA  
 Pittsburg Oil Refining Co.,  
 425 1st Av. (Cylinder;  
 Spindle; &c.) .....A  
 Willock, S. M., 54th & A  
 V. Ry. (Lubricating) AA  
 Walker, W. & H. (Tallow)  
 AAAA

**PA.—Titusville**  
 Pennsylvania Paraffine  
 Wrks. (Paraffine) ....A

**PA.—Warren**  
 Cornplanter Refining Co.  
 (Cylinder; Spindle; En-  
 gine; &c.) .....AA  
 Glade Oil Works (Mineral)  
 AAA

Senaca Oil Works (Cylinder;  
 Machinery) .....AA  
 United Refining Co. (Lubri-  
 cating) .....B

Warren Refining Co. (Cyl-  
 inder; Engine, etc.)...AA  
**R. I.—Providence**

Amer. Oil Co. (Bicycle;  
 Sewing Machine; Cylin-  
 der; Dynamo; Engine; Ma-  
 chinery; Railway; Spin-  
 dle; Valve; Mineral;  
 Sperm; Paraffine; Whale  
 Signal; Lard) .....B

Amer. Supply Co., 13 Eddy  
 (Lubricating) .....AA

Place Mfg. Co., Wm. H.  
 (Lubricating; Machinery;  
 Neatsfoot; Lard) .....C

Union Oil Co. ....AAA

U. S. Gutta Percha Paint  
 Co. (Restored) .....A

**TENN.—Memphis**

Coffin & Co., J. H. (Lubri-  
 cating) .....A

Royal Refining Co. (Castor)  
 C

**TEXAS—Houston**

Southwestern Oil Co. (Lubri-  
 cating) .....AA

**VA.—Norfolk**

Cotton Oil and Fibre Co.  
 (Linseed) .....AAAA

**W. VA.—Parkersburg**

Upson Oil and Soap Co.  
 (Lubricating) .....D

West Virginia Oil Co. (Inc.)  
 (Machinery) .....A

**WIS.—Lodi**

Drew, L. S. (Essential; Ab-  
 sinthe) .....C

**Wis.—Milwaukee**

Delaney Oil and Lubricant  
 Co. (Hoof; Belting; Sew-  
 ing Machine; Floor; Car  
 Axle; Cylinder; Dynamo;  
 Engine; Machinery; Spin-  
 dle; Valve; Neatsfoot;  
 Sperm; Harness; Miners;  
 Signal; Lard; Linseed).X

Halstead Oil Co., W. D. 318

E. Water (Lubricating) A

O'Neil Oil & Paint Co., 297

Water (Lubricating) ..A

Wadhams Oil & Grease Co.,  
 215 National Av. (Lubri-  
 cating) .....A

**OIL CLOTH**

**MAINE—Winthrop**  
 Bailey's Sons & Co., C. M.  
 (Floor) .....B

**OIL CLOTH (Con.)**

**MASS.—Taunton**  
 Chandler Oil Cloth & Buck-  
 ram Co., (Carriage) ....X  
 Taunton Oil Cloth Co. (En-  
 ameled Stair) .....B  
**MO.—St. Louis**  
 Zettlosen Mfg. Co. ....B  
**N. J.—Camden**  
 Dunn & Co., J. C. (Floor) A  
 Farr & Bailey Mfg. Co.,  
 (Floor) .....AAA  
 Murphy & Co., P. J. (Floor)  
 A

**N. J.—Kearney**  
 Nairn Linoleum Co. (Floor)  
 AAA

**N. J.—Trenton**  
 Trenton Oil Cloth & Linol-  
 eum Co. (Carriage; Enam-  
 eled; Floor; Table; Up-  
 holstery) .....A

**New York City**

American Oil Cloth Co., 262

Canal (Table) .....B

Sampson & Sons, Alden  
 (Floor) .....AAA

Standard Table Oil Cloth Co.  
 320 B'way (Floor; Table)  
 AAAA

Wild & Co., Joseph, 11

Thomas .....AAA

**N. Y.—Troy**

Haskell & Co., Robt. C.  
 (Floor) .....A

Powers & Sons, Deborah  
 (Floor; Table) .....A

**OHIO—Columbus**

Columbus Oil Cloth Co.  
 (Carriage; Enamelled Ta-  
 ble) .....B

**PA.—Philadelphia**

Blabon, Geo. W. (Carriage;  
 Enamelled; Floor) .AAA

Monarch Rubber & Oil Cloth  
 Co. (Carriage) .....E

Potter Sons & Co., Thos.  
 (Carriage; Enamelled;  
 Floor; Table) .....AAA

**OIL:  
COTTONSEED**

**ALA.—Birmingham**

Kinney & Co., F. C. ....AAA

**ALA.—Florence**

Ashcroft Cotton Mills ....A

**ALA.—Jacksonville**

Jacksonville Oil Mill Co.  
 (Crude) .....B

**ALA.—New Decatur**

Decatur Cotton Oil Co. ....C

**ALA.—Oxford**

Oxford Oil Mill Co. ....C

**ALA.—Piedmont**

Calhoun Cotton Seed Oil Co.  
 C

**ALA.—Selma**

Alabama Cotton Oil Co. (Br.  
 Amer. Cotton Oil Co.)  
 AAAA

International Cotton Seed  
 Oil Co. ....A

**ALA.—Troy**

Troy Fertilizer Co. ....A

**ALA.—Tuscaloosa**

Tuscaloosa Cotton Seed Oil  
 Co. ....B

**ALA.—Uniontown**

Uniontown Cotton Oil Co. B

**ARK.—Argenta**

Ark. Cotton Oil Co. (Br.  
 Am. Cotton Oil Co.) AAAA

**ARK.—Little Rock**

Southern Cotton Oil Co.  
 AAAA

**ARK.—Pine Bluff**

Pine Bluff Cotton Oil Co...  
 C

**FLA.—Jacksonville**

Florida Cotton Oil Co. ....B

**FLA.—Madison**

Florida Mfg. Co. (Crude)  
 AA

**GA.—Atlanta**

Gate City Oil Co. ....AA

Georgia Cotton Oil Co.  
 AAAA

**GA.—Augusta**

Georgia Cotton Oil Co. ...A

Interstate Cotton Oil Co. B

**OIL: COTTONSEED**

GA.—Blackshear  
Blackshear Mfg. Co. ....C  
Brantley Co., A. P. (Crude) AA  
GA.—Carrollton  
Carrollton Oil Mills .....C  
GA.—Columbus  
Mutual Cotton Oil Co.  
(Crude) .....AAAA  
GA.—Elberton  
Elberton Oil Mills (Crude) A  
GA.—Forsythe  
Maynard & Co., P. B. ....C  
GA.—Griffin  
Walker Bros. ....B  
GA.—La Grange  
La Grange Mill Co. ....A  
GA.—Macon  
McCaw Mfg. Co. ....AAA  
GA.—Savannah  
Southern Cotton Oil Co.  
AAAA  
GA.—Smithsonia  
Smithsonia Cotton Oil Mills  
AA  
GA.—Social Circle  
Walton Oil Co. ....B  
ILL.—Chicago  
Atwood & Steele, 18 River C  
Consumers Cotton Oil Co.  
AAA  
I. T.—Ada  
Ada Cotton Oil Co. ....C  
I. T.—Ardmore  
Ardmore Oil & Milling Co.  
B  
I. T.—Durant  
Durant Cotton Oil Co. ....B  
I. T.—Eufaula  
Eufaula Cotton Oil Co....C  
I. T.—Muskogee  
Muskogee Cotton Oil Co...C  
I. T.—Wynnewood  
Wynnewood Oil Mill Co. ..B  
KANS.—Independence  
Kansas Cotton Mill Co. ...C  
KY.—Louisville  
Globe Refining Co. ....A  
Kentucky Refining Co.  
AAAA  
Louisville Cotton Oil Co. B  
LA.—Lafayette  
People's Cotton Oil Co. ..C  
LA.—Monroe  
Planters Oil Mill Co. ....B  
LA.—New Orleans  
Armbruster, Hy., 341 Girod  
(Independence Oil & Re-  
fining Co.) .....B  
N. O. Cotton Seed Oil &  
Mfg. Co., 319 Carondelet  
X  
Southern Cotton Oil Co.,  
Hennen Bldg. ....AAAA  
Standard Cotton Seed Oil Co.  
B  
Standard Guano & Chemical  
Co. ....AA  
Steinhardt & Co. ....AA  
Union Oil Co. (Crude) AAAA  
LA.—Opelousas  
St. Landry Cotton Seed Oil  
Co. C  
LA.—Shreveport  
Shreveport Cotton Oil Co. B  
MD.—Baltimore  
McCormick & Co. ....D  
MISS.—Clarksdale  
Mississippi Cotton Oil Co.  
AAAA  
MISS.—Grenada  
Mississippi Cotton Oil Co.  
AAAA  
MISS.—Indianola  
Indianola Cotton Oil Co. ..B  
MISS.—Jackson  
Capitol City Oil Works  
AAAA  
Central Cotton Oil Co. ..C  
Jackson Cotton Oil Co. ..B  
MISS.—Meridian  
Eagle Cotton Oil Co. ....B  
Miss. Cotton Oil Co. AAAA  
MISS.—Natchez  
Natchez Oil Co. ....B  
MISS.—Port Gibson  
Miss. Cotton Oil Co. AAAA  
Port Gibson Oil Works  
(Crude) .....A  
MISS.—Starkville  
Starkville Cotton Oil Co. C

**OIL: COTTONSEED**

MISS.—Vicksburg  
Lever Bros. ....A  
Refuge Oil Mills .....B  
MISS.—West Point  
Mississippi Cotton Oil Co.  
AAAA  
MISS.—Yazoo City  
Mississippi Cotton Oil Co.  
AAAA  
Producers Cotton Oil Co. A  
MO.—Holcomb  
Roberts Cotton Co. ....A  
MO.—Kannett  
Roberts Cotton Co. ....A  
New York City  
American Cotton Oil Co., 27  
Beaver .....AAAA  
Falcon Packing Co., 158  
Franklin .....C  
Hopkins Dwight & Co., Cot-  
ton Exchange Bldg. ...AA  
Manhattan Oil Co., 51 Front  
D  
Swan & Finch Co. ....A  
Southern Cotton Oil Co.,  
Bowling Green Bldg.  
AAAA  
Welch, Holme & Clark Co.,  
881 West .....A  
N. C.—Charlotte  
N. Carolina Cotton Oil Co. A  
N. C.—Davidson  
Davidson Cotton Oil Co...C  
N. C.—Goldsboro  
Goldsboro Oil Co. ....B  
N. C.—Laurinburg  
Laurinburg Cotton Seed Oil  
Mill & Mfg. Co. ....C  
N. C.—Raleigh  
No. Carolina Cotton Oil Co.  
AAAA  
N. C.—Tarboro  
Edgecomb County Oil Co.  
(Crude) .....AAAA  
N. C.—Washington  
Havens Oil Co. ....C  
OHIO—Cincinnati  
Amer. Cotton Oil Co. of  
Ohio, 443 E. 6.....AA  
Moore Oil Co., C. H., 641 W.  
Front .....A  
Procter & Gamble Co. AAAA  
OHIO—Newark  
Stron, Beggs & Co. ....A  
OKLA.—Chandler  
Chandler Cotton Oil Co. ..A  
OKLA.—Narman  
Narman Cotton Oil Mill Co.  
C  
OKLA.—Oklahoma City  
Southwestern Cotton Seed  
Oil Co. ....A  
OKLA.—Shawnee  
Shawnee Cotton Oil Co. .B  
R. I.—Providence  
Union Oil Co. ....AAA  
S. C.—Aiken  
Alken Industrial Co. ....C  
S. C.—Bamberg  
Cotton Oil Co. ....C  
S. C.—Barnwell  
Southern Cotton Oil Co.  
AAAA  
S. C.—Belton  
Belton Oil & Fert. Co. ..C  
S. C.—Bennettsville  
Marlboro Mill Co. ....B  
S. C. Columbia  
S. C. Cotton Oil Co. ...AAAA  
Southern Cotton Oil Co.  
AAAA  
S. C.—Greenwood  
Greenwood Oil Mill .....C  
S. C.—Newberry  
Newberry Cotton Seed Oil &  
Fert. Co. ....C  
S. C.—Ridge Springs  
Ridge Springs Oil Mills ..C  
S. C.—St. Mathews  
St. Mathews Mfg. & W. H.  
Co. ....C  
S. C.—St. Stephens  
Seneca Oil Mills .....A  
S. C.—Sumter  
Sumter Cotton Oil & Fert.  
Co. ....C  
TENN.—Covington  
Covington Cotton Oil Co. C  
TENN.—Dyersburg  
Dyersburg Oil & Fert. Co. C



**OIL: COTTONSEED**

**TENN.**—Jackson  
Tenn. Cotton Oil Co. .AAA  
**TENN.**—Memphis  
Southern Cotton Oil Co.  
(Crude & Refined) AAAA  
Valley Oil Mills (Crude &  
Refined) .....A  
**TENN.**—Nashville  
Tenn. Cotton Oil Co. ....B  
**TENN.**—Trenton  
Tenn. Cotton Oil Co. .AAA  
**TEXAS**—Abilene  
Abilene Cotton Oil Co. ...B  
**TEXAS**—Alvarado  
Planters Oil Mill Co. ....B  
**TEXAS**—Arlington  
Arlington Cotton Oil Co. ..C  
**TEXAS**—Austin  
Austin Oil Mfg. Co. ....B  
**TEXAS**—Bastrop  
Powell Oil Mill Co. ....A  
**TEXAS**—Belcher  
Belcher Cotton Oil Co. ..C  
**TEXAS**—Belton  
Belton Oil Co. ....C  
**TEXAS**—Bonham  
Bonham Cotton Oil Co. ..B  
**TEXAS**—Bowling  
Bowling Cotton Seed Oil Co. B  
**TEXAS**—Brenham  
Brenham Compress & Oil  
Mfg. Co. ....A  
**TEXAS**—Brownwood  
Brownwood Oil Mill Co. ..B  
**TEXAS**—Caldwell  
Caldwell Oil Mill Co. ....C  
**TEXAS**—Cameron  
Milan Co. Oil Mill Co. ....C  
**TEXAS**—Cisco  
Cisco Oil Mill .....B  
**TEXAS**—Clarksville  
Clarksville Cotton Seed Oil  
Mill Co. ....B  
**TEXAS**—Cleburne  
Cleburne Oil Co. ....B  
**TEXAS**—Corsicana  
Corsicana Cotton Oil Co. A  
**TEXAS**—Cuero  
Cuero Cotton Oil & Mfg. Co. B  
**TEXAS**—Dallas  
Trinity Cotton Oil Co. ....A  
**TEXAS**—Decatur  
Decatur Cotton Seed Oil Co. B  
**TEXAS**—Dennison  
National Cotton Oil Co. ....AAAA  
**TEXAS**—Denton  
Denton Cotton & Oil Mill Co. B  
**TEXAS**—Dublin  
Dublin Cotton Seed Oil Mill  
Co. ....B  
**TEXAS**—Gainesville  
Gainesville Cotton Seed Mill  
Co. ....A  
**TEXAS**—Galveston  
National Cotton Oil Co. ....AAAA  
**TEXAS**—Greenville  
Greenville Oil & Cotton Co. A  
**TEXAS**—Hearne  
National Cotton Oil Co. ....AAAA  
**TEXAS**—Hico  
Hico Oil Mills .....B  
**TEXAS**—Hillsboro  
Hillsboro Oil Co. ....B  
**TEXAS**—Honey Grove  
Honey Grove Cotton Oil Co. A  
**TEXAS**—Houston  
Consumers' Cotton Oil Co. AA  
Nat'l Cotton Oil Co. AAAA  
Southern Cotton Oil Co. ....AAAA  
**TEXAS**—Italy  
Italy Cotton Oil Co. ....B  
**TEXAS**—Itaska  
Itaska Cotton Seed Oil Mill  
Co. ....B  
**TEXAS**—Jacksboro  
Jacksboro Cotton Oil Co. B  
**TEXAS**—Jefferson  
Jefferson Cotton Oil & Re-  
fining Co. ....B  
**TEXAS**—Kaufman  
Kaufman Cotton Oil Co. ..C

**OIL: COTTONSEED**

**TEXAS**—Ladonia  
Ladonia Cotton Oil Co. ..B  
**TEXAS**—La Grange  
La Grange Oil Mill Co. ..B  
**TEXAS**—Leonard  
Leonard Cotton Oil Co. ..C  
**TEXAS**—Lockhart  
Lockhart Cotton Oil Co. ..B  
**TEXAS**—McGregor  
McGregor Cotton Oil Co. ..C  
**TEXAS**—McKinney  
McKinney Cotton Oil Mill  
Co. ....B  
**TEXAS**—Marlin  
Marlin Oil Co. ....A  
**TEXAS**—Midlothian  
Midlothian Cotton Oil Co. C  
**TEXAS**—Nacogdoches  
Merchants & Farmers Cotton  
Oil Co. ....C  
**TEXAS**—New Braunfels  
Landa Cotton Oil Co. ....B  
**TEXAS**—Palestine  
Palestine Cotton Seed Oil Co. B  
**TEXAS**—Paris  
Lamar Cotton Oil Co. ....C  
Paris Oil & Cotton Co. ....A  
**TEXAS**—Pilot Point  
Pilot Point Cotton Oil Mill  
Co. ....C  
**TEXAS**—Rockdale  
Rockdale Oil Co. ....C  
**TEXAS**—San Marcos  
San Marcos Oil & Gin Co. C  
**TEXAS**—Sherman  
Sherman Oil & Cotton Co. AA  
**TEXAS**—Sulphur Springs  
Greenville Oil & Cotton Co. A  
Sulphur Springs Cotton Oil  
Co. ....B  
**TEXAS**—Taylor  
Taylor Cotton Oil Works, C  
**TEXAS**—Temple  
Central Texas Cotton Oil Co. C  
Empire Mill Co. ....B  
**TEXAS**—Terrell  
Terrell Cotton Oil Co. ..B  
**TEXAS**—Waco  
Consumers Cotton Oil Co. A  
**TEXAS**—Waxahachie  
Waxahachie Cotton Oil Co. A  
**TEXAS**—Weatherford  
Planters Oil Co. ....B  
**TEXAS**—Weimar  
Weimar Oil Works .....B  
**TEXAS**—Whitewright  
Whitewright Cotton Oil  
Mfg. Co. ....C  
**TEXAS**—Wortham  
Wortham Cotton Oil Co. C  
VA.—Norfolk  
Cotton Oil & Fibre Co. ....AAAA

**OILED COATS**

See Clothing; Men's

**OILERS**See also Cups; Oil; Lubri-  
cators, etc.

**CONN.**—Bridgeport  
American Tube & Stamping  
Co. (Steel; Machine;  
Shafting; Spring) .AAAA  
Bridgeport Brass Co. (Ma-  
chine; Spring) .....AAA  
**CONN.**—Meriden  
Miller & Co., Edward  
(Machine) .....AAAA  
**CONN.**—Waterbury  
Noera Mfg. Co. (Brass) ..B  
Scovill Mfg. Co. (Bicycle;  
Shafting; Spring) .AAAA  
**ILL.**—Chicago  
Besly, Co., Chas. H. (Shaft-  
ing) .....AA  
Nugert & Co., Wm. W., 18  
W. Randolph (Crank;  
Crosshead Pin, Machine) E  
Swain Lubricator Co., 250  
Lake (Loose Pulley) ..B  
**ILL.**—Decatur  
Tait Mfg. Co., F. B. (Fel-

**OILERS (Con.)**

loc) .....A  
**ILL.**—Evanston  
 Mark Mfg. Co. ....AA  
**ILL.**—Keithsburg  
 Smith, S. W. (Machine) .D  
**ILL.**—Sycamore  
 Palten Co., F. C. (Felloe) A  
**IND.**—Bluffton  
 Red Cross Mfg. Co. (Auto-  
 matic Windmill) .....B  
**IND.**—Evansville  
 Vandegrift Coupling Co.  
 (Loose Pulley) .....E  
**LA.**—New Orleans  
 Haller Mfg. Co., H. ....X  
**MASS.**—Boston  
 Crosby Steam Gauge &  
 Valve Co., 95 Oliver (S.  
 L. V. Imported) .....AA  
 Starr Brass Mfg. Co.  
 (Crank Pins) .....A  
**MASS.**—Worcester  
 Bay State Stamping Co.  
 (Bicycle) .....E  
**MICH.**—Detroit  
 Detroit Lubricator Co. (Ma-  
 chine; Brass; Mill; Rail-  
 road; Crank Pin).....AA  
 Essex Brass Co., G. B.  
 (Machine) .....C  
 Michigan Lubricator Co. A  
 Northern Engineering Wrks.  
 A  
**MICH.**—Port Huron  
 Lee Mfg. Co. (Ball Crank  
 Pin) .....B  
**MO.**—St. Louis  
 Handlan-Buck Mfg. Co., 212  
 N. 3rd (Valve; Machine)  
 AA  
**N. J.**—New Brunswick  
 Consolidated Fruit Jar Co.  
 (Machine) .....AA  
**N. Y.**—Brooklyn  
 Deverell Perfection Mfg.  
 Co., 36 Bridge (Machine;  
 Mill; Railroad) .....D  
 Hauck & Son, Chas. J., 36  
 Stagg (Pocket) .....B  
 Miller Co., Wm. P. (Crank  
 Pin) .....D  
 Vogel & Bros., Wm., 37 S.  
 9th (Brass) .....AA  
**N. Y.**—Buffalo  
 Shepard Sidney Co. (Spring)  
 AAAAA  
 Sherwood Mfg. Co. ....B  
**New York City**  
 Consolidated Fruit Jar Co.,  
 290 B'way .....AA  
 Cushman & Denison Mfg.  
 Co., 240 W. 23rd (Pocket;  
 Bicycle) .....B  
 Goodyear's India Rubber  
 Glove Mfg. Co. (Machine)  
 AAAAA  
 Gould-Mersereau Co. (Ma-  
 chine) .....B  
 Hill Mfg. Co., 40 Cortlandt  
 (Machine) .....G  
 Knapp Mfg. Co., 24 Frank-  
 fort (Locomotive) .....D  
 Manhattan Brass Co., 334  
 E. 28th (Brass; Zinc;  
 Machine) .....A  
 Nason Mfg. Co. (Machine) B  
 Tower & Lyon Co., 95 Cham-  
 bers (Malleable Iron; Ma-  
 chine; Spring) .....B  
**N. Y.**—Rochester  
 Rochester Automatic Oiler  
 & Supply Co. (Automatic)  
 D  
**OHIO**—Akron  
 Akron Mfg. Co. (Machine) D  
**OHIO**—Cincinnati  
 Lunkenheimer Co. (Loose  
 Pulley; Shafting) ....AA  
 Powell Co., Wm., 2529  
 Spring Grove Av. (Glass;  
 Plain; Light; Seed Ma-  
 chine) .....A  
 Van Duzen Co., E. W., 428  
 E. 2d (Loose Pulley) ..B  
**OHIO**—Columbus  
 Ironsides Co. (For Mine Car  
 Wheels; etc.) .....C  
**OHIO**—Cuyahoga Falls  
 Falls Rivet & Mehry. Co.  
 (Ring; Chain) .....A  
**PA.**—Allegheny

**OILERS (Con.)**

Sands Mfg. Co. (Steel Braz-  
 ed Machine) .....H  
 Wall Mfg. Supply Co., P.  
 (Brased Steel Machine) B  
**PA.**—Bausman  
 Bausman, D. H. (Wagon  
 Wheel) .....C  
**PA.**—Philadelphia  
 Hero Fruit Jar Co. (Ma-  
 chine) .....AA  
 Lonergan & Co., J. E. (Ma-  
 chine; Mill; Railroad) AA  
**PA.**—Pittsburg  
 Gem Manufacturing Co.,  
 Spruce near 33rd (Brass &  
 Steel Machine; Engineer-  
 ing; Loose Pulley; Spring)  
 D  
 McClintock & Irvine .....B  
**E. I.**—Providence  
 American Supply Co. (Mills)  
 AA

**OINTMENTS**

**ILL.**—Chicago  
 Baker Co., Chas. S. ....C  
 Hamlin's Wisard Oil Co. B  
**MD.**—Baltimore  
 Burrough Bros. Mfg. Co. A  
 Resinol Chemical Co. ....B  
 Thomsen Chemical Co.  
 (Mercurial) .....B  
**MASS.**—Boston  
 Kennedy, Donald .....AA  
 Potter Drug & Chemical Co.  
 A  
**MASS.**—New Bedford  
 Ashley, A. Davis .....C  
**N. Y.**—Brooklyn  
 Morgan Drug Co. ....D  
**N. Y.**—Buffalo  
 Smith & Cutler Co., W. S.  
 X  
**New York City**  
 Carbolic Soap Co., 230 Pearl  
 B  
 Gotham Co. ....D  
 Lanman & Kemp .....AAA  
 New York Quinine & Chemi-  
 cal Wks., Ltd. ....A  
 Schieffelin & Co., W. H.  
 AA  
**OHIO**—Cleveland  
 Atlantic Refining Co.  
 (Hoof) .....A  
**OHIO**—Dayton  
 Applegate & Co., J. L.  
 (Hoof) .....F  
**OHIO**—Tiffin  
 Capitol Food Co. (Blister) .D  
**PA.**—Philadelphia  
 Hance Bros. & White, 621  
 Callowhill .....AA  
 Mason Chemical Co., 515  
 Arch .....B

**OLEATES**

**ILL.**—Chicago  
 Baker Co., Chas. S. ....C  
**MD.**—Baltimore  
 Sharpe & Dohme .....AAA  
**MICH.**—Detroit  
 Parke, Davis & Co. ....AAAA  
**New York City**  
 McKesson & Robbins, AAAAA  
 Schieffelin & Co., W. H. AA

**OLEO-****MARGARINE**

See also Butterine

**ILL.**—Chicago  
 Braun & Fitts, 187 No.  
 Union .....AA  
 Cudahy Packing Co. ....AAAA  
 Friedman Mfg. Co. ....A  
 Moxley, Wm. J. ....A  
 Bailton, B. A. ....B  
 Swift & Co. ....AAAA  
**ILL.**—East St. Louis  
 Dold Butterine Co., Jacob  
 AAAAA  
**IND.**—Indianapolis  
 Columbia Butter Co. ....D  
 Jordan Co., Arthur. ....A  
**MASS.**—Cambridge

**OLEOMARGARINE**

Reardon & Sons Corp., Jno. B  
**MO.—Kansas City**  
 Dold Packing Co., Jacob AAAAA  
 Schwarzschild & Sulzberger AAAAA  
**N. J.—Jersey City**  
 Ammon & Person.....B  
**OHIO—Cleveland**  
 Union Dairy Co.....B  
**PA.—Philadelphia**  
 Chicago Butterine Co.....A  
**R. I.—Providence**  
 Goshen Mfg. Co.....D  
 Oakdale Mfg. Co.....AA  
 Vermont Mfg. Co.....A

**OLIVES & OLIVE OIL**

**CAL.—Concord**  
 Busby, F. H. (Br. San Fran.) (Olive Oil) .....B  
**CAL.—Los Angeles**  
 Hill & Sons Co., Jas.....A  
**CAL.—Oroville**  
 Kusel Bros. ....B  
**CAL.—San Francisco**  
 Busby, F. H., 207 Sac. (Olive Oil Mfrs.).....B  
 Goldberg, Bowen & Co., 426 Pine .....AAA  
 Kittle & Co., 202 Cal. ....AAA  
 Lavaggi, G. B., 543 Washn. (Imp.) .....C  
 Loeffler, Jno., 422 5th.....C  
 Pacific Vinegar & Pickling Wks., 122 Davis.....A  
 Sherwood & Sherwood, 212 Mkt. ....AAA  
 Wetmore, Bowen Co., 410 Post .....B  
 Wieland Bros., 121 Clay..A  
**CAL.—Santa Barbara**  
 Cooper, Edward .....A  
**GA.—Atlanta**  
 Shewmake & Murphy ....C  
**ILL.—Chicago**  
 Atwood & Steele, 18 River C  
 Barrett & Co., M. L., 219 Lake .....A  
 Reid, Murdoch & Co., Lake & Market .....AAAA  
 Wolff & Sons, M., 218 W. Lake .....C  
**LA.—New Orleans**  
 Gulf Mfg. Co., 523 Natchez B

**MASS.—Boston**  
 Hanson & Co., P. (Imp.) 218 State .....C  
 Haynes-Piper Co., 36 S. Market .....C  
 Masury, Young & Co., 196 Milk .....B  
**MASS.—Springfield**  
 Castle, W. A. ....B  
**MINN. St. Paul**  
 Gedney Pickling Co., M. A. A

**MO.—St. Louis**  
 Dodson-Braun Mfg. Co., 3rd & Cedar .....AA  
 Haase & Sons, A. C., 415 N. 2d .....A  
**New York City**  
 Alart & McGuire, 70 Madison .....A  
 Amer. Cotton Oil Co. ....AAAA  
 Ams, Max, 372 Gwich ..AA  
 Archibald & Lewis (Olive Oil) 193 Front .....C  
 Belden & Co., A. G., 145 Maiden Lane .....C  
 Bush & Co., W. J., 5 Jones La. ....AA  
 Crooks & Co., Robt., 136 Front .....AA  
 Falcon Packing Co., 158 Franklin .....C  
 Fuerst Bros. & Co., 2 State B  
 Gordon & Dilworth, 563 Gwich .....A  
 Gross, Ignatius, 356 Gwich O  
 Gulden, C., 46 Elizabeth AA  
 Hill & Sons Co., Jas., 105 Hudson .....A  
 Klenzler, H., 47 Dey .....C  
 La Montagne & Sons, E. 45

**OLIVES & OLIVE OIL**  
 Beaver .....AA  
 Lamanna Azema & Farnan, 397 Wash.....B  
 Lehn & Fink, 128 William AA  
 Lueders & Co., G., 218 Pearl A  
 McCormick, Greer & Co., (Oil) 85 Pike .....O  
 McMullen & Co., T. 412 W. 16th .....AA  
 Maspero, C. (Imp. Green & Blk.) 333 Gwich .....B  
 Moehring & Co., W. G., 151 Cedar .....A  
 Reichard, F. A., 182 Nassau A  
 Sanchez & Co., E., 55 Front B  
 Seville Packing Co., 202 Franklin .....B  
 Selwyn Impt'g & Trading Co., 14 E. 17th .....O  
 Smith, Julius Paul, 63 Duane .....B  
 Starace, Achille 76 Pearl B  
 Strohmeier & Arpe Co., 33 Water .....A  
 Warrick Freres Co., 28 Gold B  
 Weber, Jules, 213 W. 42nd C  
 Welch, Holme & Clark Co. (Imp.) 383 West .....B  
 Zucca & Co., 235 West ...C  
**N. Y.—Rochester**  
 Wright, A. ....AA  
**OHIO—Cleveland**  
 Ross & Sprague Co., Cent. Viaduct .....AA  
**PA.—Carnegie**  
 Bisl, E. ....A  
**PA.—Philadelphia**  
 Alart & McGuire, 126 Cuthbert .....A  
 Chances' Sons, R. C., 433 Spruce .....C  
 Kellogg & Sons, H., 19 So. Front .....A  
 Newcomb, H. C., 302 Walnut .....B  
 Oliver & Sons, J. M., 28 So. Front .....O  
 Ritter Conserve Co., P. J. (Olives) .....AA  
**R. I.—Providence**  
 Phetteplace Olive Oil Imptg. Co. ....B  
**W. VA.—Wheeling**  
 McMechan & Son Co., Geo. K. (Olives) .....B

**OMNIBUSSES**

See also Carriages & Wagons

**DEL.—Wilmington**  
 Harlan & Hollingsworth Co. X  
**ILL.—Chicago**  
 Sherman, I. N. W. ....A  
**IND.—South Bend**  
 Studebaker Bros. Mfg. Co. ....AAAA  
**N. H.—Concord**  
 Abbott Downing Co. ....X  
**N. Y.—Cortland**  
 Cortland Wagon Co. ....AA  
 Ellis Omnibus & Cab Co...D  
 Keator & Wells .....C  
**N. Y.—Jamestown**  
 Fenton Metallic Mfg. Co. (Metallic Vault) .....A  
**New York City**  
 Demarest & Co., A. T. ....A  
 Flandrau & Co. ....X  
**PA.—Philadelphia**  
 Brill Co., J. G. ....AAAA  
 Fulton & Walker Co. ....AA

**ONYX**

**CAL.—San Francisco**  
 Columbia Marble Co. ....B  
**New York City**  
 Jackson & Co., C. D. (Importers) .....A  
**R. I.—Providence**  
 Fowler Bros. ....C

**OPALS**

See Jewelry

## OPENERS

**CONN.—Bridgeport**  
 Bridgeport Hdw. Mfg. Co.,  
 481 Iranstan Av. (Can) B  
**Drouve Co., G.** (Sash; Win-  
 dow) .....B  
**Knapp & Cowles Mfg. Co.**  
 (Can) .....C  
**CONN.—Bristol**  
 Barrett, W. L. (Can) ....D  
**CONN.—Collinsville**  
 Hartigan, Wm. R. (Egg) H  
**CONN.—Danielson**  
 Parkhurst, L. D. (Can) ..G  
**CONN.—Essex**  
 Tiley, Pratt & Co. (Letter)  
 D  
**CONN.—Meriden**  
 Brown & Dowd Mfg. Co.  
 (Can) .....E  
 Meriden Britannia Co. (Let-  
 ter) .....AAAA  
**CONN.—New Britain**  
 Landers, Frary & Clark  
 (Can) .....AAA  
 Taplin Mfg. Co. (Bottle) D  
**CONN.—New Haven**  
 Henn & Co., A. S. (Can) F  
 Kilborn & Bishop Co. (Box;  
 Cigar Box) .....C  
**CONN.—Unionville**  
 Humphrey, H. W. (Egg) D  
**CONN.—Wallingford**  
 Wallace & Sons Mfg. Co., R.  
 (Letter) .....AAAA  
**ILL.—Chicago**  
 American Cutlery Co. (Can;  
 Cigar Box; Letter) ..AA  
 Nicol & Co. (Cigar Box;  
 Can) .....D  
 Badercke Mfg. Co., 34 So.  
 Clark (Can) .....E  
 Vaughan & Bushnell Mfg.  
 Co. (Crate) .....A  
 Western Electric Co., 259  
 S. Clinton (Electric Door)  
 AAAA  
**ILL.—Decatur**  
 Illinois Cutlery Co. (Can) B  
**ILL.—Freeport**  
 Arcade Mfg. Co. (Box) ..A  
**ILL.—Paxton**  
 Paxton Hardware Mfg. Co.  
 (Can) .....X  
**MD.—Baltimore**  
 Perfection Couch Opener Co.  
 F  
 Sinclair Scott Co. (Can) ..E  
**MASS.—Attleboro**  
 Mossberg Co., Frank (Let-  
 ter) .....A  
**MASS.—Boston**  
 Boston Electric Co. (Elec-  
 tric Door) .....B  
 Dame, Stoddard & Co. (Ci-  
 gar Box) .....A  
 Harwood & Son, Geo. S., 53  
 State (Feeders; Wool-  
 Washer) .....A  
 Leigh, Evan Arthur, Mason  
 Bldg. (Lapper; Cotton) .B  
**MASS.—Lowell**  
 Kitson Machine Co. (Lap-  
 pers; Cotton) .....AAA  
**MASS.—Melrose**  
 Ormsby, E. A. (Sash; Win-  
 dow; Skylight Window) H  
**MASS.—North Easton**  
 New England Specialty Co.  
 (Can) .....F  
**MASS.—Springfield**  
 Bemis & Call Hardware &  
 Tool Co. (Box) .....A  
 Springfield Machine Screw  
 Co. (Can) .....D  
**MASS.—Taunton**  
 Mason Machine Works (Lap-  
 pers; Cotton) .....AA  
**MASS.—Whitinsville**  
 Whitin Machine Works  
 (Lappers; Cotton) AAAA  
**MASS.—Worcester**  
 Bigelow Mfg. Co., J. F.  
 (Can) .....E  
**N. H.—Antrim**  
 Goodell Co. (Can) .....A  
**N. J.—Newark**  
 Celluloid Co. (Letters) ..B  
 Kraeuter & Co. (Can) ....X  
 Osborn & Co., E. S. (Cigar  
 Box; Can) .....R  
 Sharp, Fdk. (Can) .....F

## OPENERS (Con.)

**N. Y.—Brooklyn**  
 Ranken, Herman, 71 S. 1st  
 X  
**N. Y.—Buffalo**  
 Union Mfg. & Specialty Co.  
 (Can) .....O  
**N. Y.—East Syracuse**  
 Benedict Mfg. Co., M. S.  
 (Letter) .....AA  
**N. Y.—Irvington**  
 Lord & Burnham Co. (Sash  
 & Window) .....A  
**New York City**  
 Bickelhaupt Skylight Wks.,  
 240 W. 47th (Automatic  
 Scuttle) .....F  
 Bunnell & Co. J. H., 20  
 Park Pl. (Electric Door)  
 B  
 Graham, John H., & Co.  
 (Cigar Box) .....AA  
 Kell & Son, Francis, (Elec-  
 tric Door) .....AA  
 Peck Stow & Wilcox Co.,  
 (Can) .....AAAA  
 Sargent & Co. (Can) AAAA  
 Smith & Hemenway (Can)  
 D  
 Thurnauer & Bros., G. M.,  
 85 Park Pl. ....X  
**N. Y.—Rochester**  
 Kron, P. (Can) .....G  
 Streeter & Co., N. B. (Can)  
 B  
**OHIO—Canton**  
 Gibbs Mfg. Co. (Can) ....A  
**OHIO—Cleveland**  
 Fanner Mfg. Co. (Box) ..A  
**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred J.,  
 (Can) .....B  
**PA.—Erie**  
 Erie Specialty Co. (Cigar  
 Box) .....B  
 Reed Mfg. Co. (Bottle) .A  
**PA.—Philadelphia**  
 Able & Willing Co., 144 Le-  
 high Av. (Envelope) ..B  
 Partrick, Carter & Wilkens  
 (Electric Door) .....B  
 Philadelphia Novelty Mfg.  
 Co. (Can) .....D  
 Philadelphia Textile Ma-  
 chinery Co., Hancock &  
 Somerset (Lappers; Cot-  
 ton) .....AA  
**PA.—Wrightsville**  
 Wrightsville Hardware Co.  
 (Can) .....B  
**R. I.—Pawtucket**  
 Atherton Machine Co. (Lap-  
 pers; Cotton) .....B  
 Howard & Bullough Amer.  
 Machine Co., Ltd. (Lap-  
 pers' Cotton) .....AAA  
**WIS.—South Milwaukee**  
 Stowell Mfg. & Foundry Co.  
 (Can) .....A

## OPHTHALMO- SCOPES

**ILL.—Chicago**  
 Fowler, E. S. & W. S. ....D  
**IND.—Indianapolis**  
 Armstrong & Co., Wm. H. B  
 New York City  
 Meyrowitz, E. B. ....A  
 Spencer Optical Co., 12  
 Maiden Lane .....C  
**N. Y.—Rochester**  
 Bausch & Lomb Optical Co.  
 AAA

## OPIUM

**New York City**  
 Hill's Sons Co., Edw. ....AA  
 McKesson & Robbins AAAA  
 Merck & Co. ....AAAA  
 New York Quinine & Chem-  
 ical Works .....A  
 Schieffelin & Co. ....AA

## OPTICAL GOODS

**ILL.—Chicago**  
 Chicago Mfg. & Optical Co.,  
 183 Wabash Av. ....X  
 King Optical Co., Julius ..E

**OPTICAL GOODS (Con.)**

Manasse Co., L., 88 E. Madison .....C  
 Martin Co., Edw. P. ....C  
 Peerless Optical Co., 84 Wabash Av. ....X  
**MASS.—Attleboro**  
 Bay State Optical Co. (Eye Glasses; Frames) .....B  
**MASS.—Boston**  
 Boston Optical Works, 48 Hanover .....F  
 Lloyd & Co., Geo. H., 23 Winter .....F  
**MASS.—Southbridge**  
 American Optical Co. ....AAA  
 Central Optical Co. ....D  
 Dupaul, Young Optical Co. B  
 Quilmette, J., Jr. ....D  
**MICH.—Detroit**  
 Johnston Optical Co. ....A  
 Michigan Optical Co. ....B  
**MO.—Kansas City**  
 Merry Optical Co. ....A  
**MO.—St. Louis**  
 Western Optical Co. ....D  
**N. H.—Tilton**  
 Tilton Optical Co. ....D  
**N. Y.—Buffalo**  
 King & Eisel .....AA  
**N. Y.—Geneva**  
 Geneva Optical Co. ....D  
 Spengler Optical Co. ....F  
 Standard Optical Co. ....A  
**N. Y.—Horseheads**  
 Winchester Optical Co. ....D  
 New York City  
 American Spectacle Co., 177 Broadway (Spectacles) B  
 Apfel Philip, 95 Nassau (Lenses) .....D  
 Berger & Co., Albert, 45 Maiden Lane .....AA  
 Cross Optical Co., A. J., 20 E. 23rd (Instruments) E  
 Fay, W. G., 178 Broadway (Instruments) .....F  
 Goertz, C. P., 52 Union Sq. E. X  
 Green & Co., W., 6 Maiden Lane .....C  
 King Optical Co., Julius, 4 Maiden Lane .....A  
 Hammel, Riglander & Co., 35 Maiden Lane .....AA  
 Koenen & Bro., A., 57 Fulton (Spectacles) .....B  
 Mervowitz Mfg. Co., 104 E. 23rd .....C  
 New York Mutual Optical Co., 9 Maiden Lane .....F  
 Miller, Mark, 86 Nassau C  
 Oelschlaeger Bros., 42 E. 23rd .....A  
 Singer & Rothenberg, 116 Fulton .....D  
 Spencer Optical Co., 12 Maiden Lane .....C  
**N. Y.—Rochester**  
 Bausch & Lomb Optical Co. AAA  
 Briggs Optical Co. ....D  
 Gundlach-Manhattan Optical Co. ....A  
**N. Y.—Syracuse**  
 Empire Optical Co. ....X  
 Morse Optical Co., Jas. H. D  
 Syracuse Optical Co. ....X  
**OHIO—Cincinnati**  
 Standard Optical Co., 13 Emery Arcade .....F  
**OHIO—COLUMBUS**  
 Columbus Aseptic Furniture Co. ....X  
 White-Haines Optical Co. D  
**OHIO—Springfield**  
 Fay, C. S. (Instruments) H  
**OHIO—Toledo**  
 Swegart Optical Co. ....D  
**PA.—Philadelphia**  
 Borsch & Co., Jno. L., 1324 Walnut .....A  
 Brown, Daniel V., 740 Sansom .....A  
 Limeburner & Co., J. E., 315 Vine .....B  
 McIntire, Magee & Brown, 723 Sansom .....A  
 Mayer & Co., Geo., 134 So 8th .....B  
 National Optical Co., 11th & Milfln .....B  
 Neill, J. F., 727 Sansom D

**OPTICAL GOODS (Con.)**

Queen & Co., 1010 Chestnut AA  
 Standard Optical Institute, 315 Vine .....E  
 Wedge Mounting Co., 833 Arch .....D  
 Williams, Brown & Earle, 918 Chestnut .....A  
 Zineinan & Bro., M., 21 N. 11th .....B  
**PA.—Reading**  
 Pennsylvania Optical Co. A  
 Willson & Co., T. A. ....AA  
**PA.—Richmond**  
 Galeski Optical Co. ....X  
**R. I.—Providence**  
 Wilkerson & Co., C. A. (Gold Filled Frames) AA  
**WIS.—Milwaukee**  
 Milwaukee Optical Mfg. Co. D  
 Reinhard Mfg. Co. ....D

**ORANGES & LEMONS**

**CAL.—Bonita**  
 Sweetwater Farm Co. ..B  
**CAL.—Colton**  
 Colton Fruit Exch. ....C  
**CAL.—Fresno**  
 Earl Fruit Co. (Br. Sacramento) .....A  
**CAL.—Fullerton**  
 Placentia Orange Growers' Assn. ....C  
**CAL.—Highland**  
 Earl Fruit Co. (Br. Sacramento) .....A  
**CAL.—Los Angeles**  
 Earl Fruit Co. (Br. Sac.) A  
 Fay Fruit Co., 216 S. Bway. A  
 Rudock, French & Co., 314 W. 4th .....AA  
 Simpson & Hack Fruit Co. C  
 Southern Calif. Fruit Exch. AA  
**CAL.—North Ontario**  
 Lemon Growers' Exch. ...C  
**CAL.—Pacific Beach**  
 Baker & Son, R. M. (Lemons) .....C  
**CAL.—Redlands**  
 Earl Fruit Co. (Br. Sac.) A  
 Gregory Fruit Co. ....C  
 Redlands Orange Growers' Assn. ....B  
**CAL.—Riverside**  
 Arlington Heights Fruit Co. B  
 Earl Fruit Co. (Br. Sac.) A  
 Everest Rancho (Oranges only) .....A  
 Johnson, A. P. (Pack. Oranges) .....A  
 Riverside Fruit Co. ....AA  
 Riverside Orange Co. (S.) A  
**CAL.—Sacramento**  
 Earl Fruit Co. ....A  
**CAL.—Visalia**  
 Earl Fruit Co. (Br. Sac.) A  
 Kaweah Lemon Co. ....B  
**FLA.—Sanford**  
 Chase & Co. ....B  
**FLA.—Tampa**  
 Fuller & Co., W. A. (Oranges) .....A  
**ILL.—Chicago**  
 Evans & Co., D. E., 71 S. Water .....B  
 Zucca & Co., J., 68 S. Water C  
**ILL.—Joliet**  
 Seaver Co., C. S. ....B  
**IOWA—Burlington**  
 Lagomafino & Co., A. ...B  
**IOWA—Cedar Rapids**  
 Lagomarcino & Co., A. ...B  
**IOWA—Sioux City**  
 Haley & Lang Co. ....A  
**KY.—Louisville**  
 Allen & Co., J. T. ....C  
**MD.—Baltimore**  
 West India Trading Co. ..X  
**MICH.—Detroit**  
 Lichtenberg & Sons, Woodbridge & Griswold ....B  
**N. Y.—Buffalo**  
 Brennon & Son, F., 156 Mich. ....B

**ORANGES & LEMONS**

**New York City**  
 Contencin & Son, Louis, 4  
 Stone .....A  
 Hutcheson & Co., A. G., 106  
 Front .....A  
 Lyon Bros. Co., 330 Washn.  
 C  
 Pierce, L., 208 Duane ....C  
 Ruhlman & Co., P., 261  
 Washn. ....B  
 Schott & Franke, 120  
 Warren .....B  
 Thompson, Geo. H., (Imp.)  
 107 Hudson .....B  
 Zucca & Co., 235 West ...C

**ORDERS**

**CONN.—Clintonville**  
 Vibbert & Co., Geo. S.  
 (Dance) .....F  
**New York City**  
 Hake Mfg. Co., Phillip  
 (Dance) .....A  
 Koehler, Joseph, 148 Park  
 Row (Fancy Dance) ...C  
 Tobin, Michael F. (Dance) B

**ORE**

**ALA.—Birmingham**  
 Birmingham Rolling Mill Co.  
 (Iron) .....AAA  
 Cahala Southern Mining Co.  
 (Iron) .....A  
 Pioneer Mining & Mfg. Co.  
 (Iron) .....AAAA  
 Sloss Sheffield Steel & Iron  
 Co. (Iron) .....AAAA  
 Tennessee Coal Iron & Rail-  
 road Co. (Iron) ....AAAA  
**ALA.—Woodward**  
 Woodward Iron Co. (Iron)  
 ....AAAA

**ARIZ.—Morenoi**  
 Detroit Copper Mining Co.  
 of Arizona (Copper) ....AAAA

**CAL.—San Francisco**  
 Selby Smelting & Lead Co.  
 (Tin) .....AAA

**COLO.—Denver**  
 Boston & Colorado Smelting  
 Co. (Copper) .....AAA

**COLO.—Leadville**  
 Hunter Co., V. (Gold; Lead)  
 ....AAAA

**ILL.—Chicago**  
 Pickands, Brown & Co.  
 (Iron) .....AAAA

**MICH.—Hancock**  
 Quincy Mining Co. (Copper)  
 ....AAAA

**MICH.—Ishpeming**  
 Cleveland Cliffs Iron Co.  
 (Iron) .....AAAA

**MONT.—Butte**  
 Anaconda Copper Mining Co.  
 (Copper; Lead; Silver) ....AAAA

**Boston Montana Can Copper**  
 & Silver Mining Co. (Copper;  
 Silver) .....AAAA

**New York City**  
 Cooper Hewitt & Co. (Iron)  
 ....AAAA

**Dana & Co., 32 Bway. (Man-  
 ganese) .....A**

**Oxford Copper Co. (Copper;  
 Nickel) .....AAA**

**N. Y.—Poughkeepsie**  
 Poughkeepsie Iron Co.  
 (Iron) .....A

**N. Y.—Rochester**  
 Rochester & Pittsburg Coal  
 & Iron Co. (Iron) ....AAAA

**OHIO.—Cleveland**  
 Cleveland Iron Mining Co.  
 (Iron) .....AAAA

**OHIO.—Steubenville**  
 La Belle Iron Works (Iron)  
 ....AAAA

**PA.—Philadelphia**  
 Phila. & Read. Coal & Iron  
 Co. (Iron) .....B

**Billing & Crane (Iron) ...AA**  
**Pullman, J. Wesley (Iron) B**

**TENN.—Dayton**  
 Dayton Coal & Iron Co.  
 (Iron) .....AAAA

**UTAH.—Salt Lake City**  
 Centennial Eureka Mining  
 Co. (Silver) .....B

**ORE (Con.)**

**Daly-West Mining Co.**  
 (Silver) .....A  
**Eureka Hill Mining Co.**  
 (Silver) .....B  
**Ontario Silver Mining Co.**  
 (Lead; Silver) .....B

**ORGANETTES**

**New York City**  
 Aeolian Co., 382 5th Av.  
 ....AAAA

**ORGANS**

**CAL.—San Francisco**  
 Sherman Clay & Co. (Inc.)  
 (Church) .....AAAA

**CONN.—Bridgeport**  
 Bridgeport Organ Co.  
 (Cabinet Reed) .....B

**CONN.—Derby**  
 Sterling Co. (Cabinet Reed)  
 ....AA

**CONN.—Meriden**  
 Wilcox & White Co. (Cabi-  
 net Reed, Church) ....A

**CONN.—New Haven**  
 Hall & Co., H. (Church) ..F  
 Shouinger Co., B. (Cabinet  
 Reed) .....AAAA

**ILL.—Chicago**  
 Bent, Geo. P. (Cabinet  
 Reed) .....AAA

**Bilhorn Bros., 56 5th Av.**  
 (Folding, Reed) .....C

**Kimball Co., W. W., W.**  
 Wabash Av. & Jackson Boul.  
 (Church, Cabinet Reed,  
 Pipe) .....AAAA

**Lyon & Healy (Cabinet  
 Reed, Pipe) .....AAAA**

**Newman Bros. Co. (Cabinet  
 Reed) .....AA**

**Storey, J. B. & E. A. Clark**  
 Co. (Cabinet Reed) .....C

**KANS.—Abilene**  
 Parker, C. W. (Military  
 Band) .....A

**MAINE.—Foxcroft**  
 Hughes & Son Piano Mfg.  
 Co. (Cabinet Reed) .....B

**MD.—Baltimore**  
 Niemann, Henry, 655 W.  
 Lombard (Church) .....H

**Stein, Adam, 665 W. Ger-  
 man (Church) .....X**

**MASS.—Boston**  
 Cole Church Organ Co., 99  
 Bristol (Church) .....X

**Hutchings Votey Organ Co.**  
 (Pipe) .....B

**Woodberry & Co., Jesse, 520**  
 Harrison Av. (Church,  
 Pipe) .....D

**MASS.—Kendal Green**  
 Hook & Hastings Co.  
 (Church, Pipe) .....A

**MASS.—Westfield**  
 Howard & Emmons (Church)  
 ....D

**MICH.—Detroit**  
 Clough & Warren Co.  
 (Cabinet Reed) .....A

**Farrand Organ Co. (Cabinet  
 Reed, Pipe) .....AA**

**N. H.—Concord**  
 Prescott Piano Co. (Cabinet  
 Reed) .....B

**N. J.—Camden**  
 Furbush & Son Machine Co.,  
 M. A. ....X

**N. Y.—Brooklyn**  
 Loeff, Chas., Normann Av.  
 & Russell .....A

**Midmer & Son, Reuben (Cabi-  
 net Reed, Church) ....B**

**N. Y.—Buffalo**  
 Niner & Sons, 428 Pearl  
 (Church) .....B

**N. Y.—Ithaca**  
 Autophone Co. (Automatic,  
 Mechanical, Roller) ....B

**New York City**  
 Aeolian Co. (Cabinet Reed,  
 Mechanical) .....AAAA

**Mason & Hamlin Co. (Cabi-  
 net Reed, Church) ....A**

**Molinari & Son, 153 Elisa-  
 beth (Hand) .....X**

**Needham Piano & Organ Co.**  
 (Cabinet Reed) .....A  
**Odell & Co., J. H. & C. S.**  
 409 W. 42d (Church) ...B

**ORGANS (Con.)**

**N. Y.—North Tonawanda**  
 Armitage Herschell Co.  
 (Steam; Electric) .....B  
**Herschell, Spillman & Co. A**  
**N. Y.—Tonawanda**  
 Gillie Engine & Machine Co. C

**OHIO—Alliance**  
 Hillgreen Lane & Co.  
 (Church) .....A

**OHIO—Cincinnati**  
 Foley & Williams Mfg. Co.,  
 123 W. 5th (Church) ...A

**OHIO—Cleveland**  
 Raymond, Frank L. T. Co.  
 (Cabinet Reed) .....B

**OHIO—Norwalk**  
 Chase Co., A. B. (Cabinet  
 Reed) .....AA

**PA.—Erie**  
 Felgemaker, A. B. (Pipe) A

**PA.—Lebanon**  
 Miller Organ & Piano Co.  
 (Cabinet Reed) .....A

**PA.—Philadelphia**  
 Bates & Culley, 706 Mercer  
 (Church) .....F

Dentzell, G. A., 3635 Ger-  
 mantown Av. ....B

**PA.—Pittsburg**  
 Ingersoll Construction Co.,  
 307 4th Av. ....B

**VT.—Brattleboro**  
 Carpenter Co. (Cabinet  
 Reed) .....B

Estey Organ Co. (Cabinet  
 Reed, Church, Pipe)AAAA

**WIS.—Milwaukee**  
 Schuelke, Wm., 2219 Wal-  
 nut (Church) .....X

Foerster, Carl (Carousel) A

**ORGANZINE**

See Silk Goods

**ORNAMENTS**

See also Millinery

**CAL.—Los Angeles**  
 Betkonskie, Martin F., 451  
 E. 3d (Plastic) .....D

**CONN.—Bristol**  
 Ingraham Co., E. (Bronze)  
 AAA

**CONN.—Hartford**  
 Root, C. R., 286 Sheldon  
 (Composition) .....G

**CONN.—Meriden**  
 Bradley & Hubbard Mfg. Co.  
 (Bronze; Stone) .....AAAA

North & Co., O. B. (Saddle)  
 AA

**CONN.—Waterbury**  
 Amer. Ring Co. (Harness;  
 Saddle) .....A

Matthews & Willard Co.  
 (Bronze) .....AAAA

Novelty Mfg. Co. (Brass) A  
 Plume & Atwood Mfg. Co.  
 (Harness) .....AAAA

Steele & Johnson Mfg. Co.  
 (Brass) .....A

Waterbury Button Co. (Mili-  
 tary) .....A

**ILL.—Chicago**  
 Architectural Decorating  
 Co., 204 Illinois (Composi-  
 tion; Plastic) .....C

Barnhardt Bros. & Spindler  
 (Printers) .....AA

Braun, J. G., 322 S. Paulina  
 (Steel for Ornamental Iron  
 Work) .....A

Decorators' Supply Co., 209-  
 219 So. Clinton (Composi-  
 tion; Plastic) .....B

Fiedler & Sons, A. B. (Inc.)  
 (Silk) .....A

Foster-Munger Co., W. 20th  
 & So. Sagamon (Wood)AA

Friedley & Noshardt, 196  
 Mather (Sheet Metal) .A

Ganger & Co., Jno. A., W.  
 22d & Laflin (Wood) .AA

Harsha Mfg. Co., L. R., 793  
 Carroll (Composition) .B

Hartmann, Jno., 13 N. Jeff-  
 erson (Composition) .E

Meyercoed Co. (Transfer) A

Palmer, Fuller & Co., 2244  
 Lumber (Wood) .....A

Plastic Relief Mfg. Co., 298

**ORNAMENTS (Con.)**

N. Halsted (Composition;  
 Plastic) .....E

Raubold & Lambkin, 19 N.  
 Ann (Composition) ....C

Roberts & Co., E. L., 22d  
 & Union Pl. (Wood) ...A

Stubb, A., 2 Nebraska Av.  
 (Composition) .....X

Thoresen, Wm., 816 N.  
 Western Av. (Sheet  
 Metal) .....E

Warren & Co., James P.  
 (Copper) .....X

Weary, Edwin D., Mar-  
 quette Bldg. (Composi-  
 tion) .....B

**IND.—South Bend**  
 Studebaker Bros. Mfg. Co.  
 (Harness) .....AAAA

**IOWA—Clinton**  
 Curtis Bros. & Co. (Wood)  
 AAA

**KY.—Covington**  
 Ohio Scroll & Lbr. Co.  
 (Wood Furniture) .....D

**MD.—Baltimore**  
 Meislahn & Co., C. F., 19  
 Clay (Composition) .D

**MASS.—Boston**  
 Emmel, Chas., 383 Albany  
 (Composition; Plastic) .B

Lombard & Co., A. P., 99  
 Bristol (Composition) .D

Mathews Consolidated Slate  
 Co., 199 Washn. (Slate) X

Stearns Lumber Co., A. T.  
 (Wood Gable) .....AA

**MASS.—Haverhill**  
 Dalrymple & Co., J. A.  
 (Millinery) .....B

**MASS.—Leominster**  
 Earl & Co., W. D. (Hair) C

Tilton & Cook (Hair) ...A

**MASS.—Attleboro**  
 Barrows & Co., H. F. (Hair)  
 A

Whiting & Co., F. M. (Hair)  
 B

**MICH.—Detroit**  
 Bailey Co., 224 21st (Plas-  
 tic) .....E

Detroit Shipbuilding Co.  
 (Brass Dept.; Flag Pole;  
 Banner) .....AAAA

Wilton-Reuter Co., 472 Fort  
 W. (Composition) .....X

**MICH.—Grand Rapids**  
 Grand Rapids Brass Co.  
 (Metal) .....A

Grand Rapids Carved Mould-  
 ing Co. (Wood) .....X

Novelty Wood Works (Wood  
 Furniture) .....F

Waddell Manufacturing Co.  
 Wood; Rosettes; Carved;  
 Grilles, etc.) .....B

**MICH.—Holland**  
 Michigan Toy & Novelty Co.  
 (Wood; Rosettes; Turned  
 Specialties) .....E

**MINN.—St. Paul**  
 St. Paul Roofing Cornice &  
 Ornament Co. (Sheet Met-  
 al; Zinc) .....B

**MO.—Kansas City**  
 Jennens Mfg. Co., W., 1700  
 Wyandotte (Composition)  
 F

**MO.—St. Louis**  
 Beattie Manufacturing Co.,  
 2202 Pine (Composition) A

Eastman & Johnstone, 1711  
 St. Charles (Composition;  
 Plastic) .....F

Gerock Bros. Mfg. Co., 1252  
 Manchester Av. (Sheet  
 Metal) .....C

Prall, Alfred A., 25 So. 8th  
 (Plastic) .....H

Seifert Plastic Relief Co.,  
 Frank A., 2846 Lawton  
 Av. (Composition; Plastic)  
 .D

**NEBR.—Lincoln**  
 Curtis & Bartlett Co.  
 (Wood) .....A

N. H.—Milford

Pierce & Co., W. E.  
 (Wood) .....D

N. J.—Camden

Frاند & Co., Martin J., 110  
 Arch (Sheet Metal) ....C

## ORNAMENTS (Con.)

**N. J.—Newark**  
Dorn, Wm. J., 268 Market  
(Composition) .....X  
Peters Harness & Saddlery  
Co. (Saddle) .....C  
Prior, James N., 288 Wash-  
ington (Plastic) .....F  
Reynold & Zahn (Harness) C  
Spanjer Bros. (Wood) ....E  
**N. J.—New Brunswick**  
New Jersey Lamp & Bronze  
Works (Brass; Bronze;  
Clock) .....AA  
**N. Y.—Brooklyn**  
Forman Bros., 645 Gates Av.  
(Composition; Plastic) D  
Heilman Co., R., 207 State  
(Composition; Plastic) .E  
Miller & Doing, 83 Washing-  
ton Av. (Sheet Metal) F  
Nogt, Walter J. (Cap; Tin-  
zel) .....D  
White Co., James, 446 Adel-  
phi (Sheet Metal) .....D  
White, Potter & Paige Mfg.  
Co., 415 Willoughby Av.  
(Composition) .....A  
**New York City**  
Benziger Bros. (Church) ..A  
Berger Sons, H., 101 4th  
Av. (Plastic) .....E  
Broschart & Braun, 601 W.  
130th (Sheet Metal) ...X  
Day Clark & Co. (Hair) B  
French, S. A. (Military;  
Society) .....B  
Hergert, Theo. E., 384 2d  
Av. (Sheet Metal for Cor-  
nices) .....C  
Judd & Co., H. L. (Brass) AA  
Klee Thomson Co., 327 E.  
40th (Plastic) .....D  
Maas & Co., Wm. (Hair) AA  
Masset, A., 78 E. 10th  
(Church) .....D  
Meyer, Bernard (Christmas  
Tree) .....D  
Moore Bronze & Plate Co.,  
M. E. (Bronze; Clock) B  
Newcombe Mfg. Co., F. J.,  
44 W. 13th (Composition) B  
**New York Carved Moulding**  
Co., 771 1st Av. (Wood) D  
**New York Composition &**  
**Decorative Co., 228 W.**  
**Houston (Composition;**  
**Plastic) .....X**  
Palm Fechtler Co. (Trans-  
fer) .....A  
Parker, Edwin C., 519 W.  
30th (Wood) .....F  
Richards & Co., E. Ira  
(Hair) .....AAA  
Rudolph, Oscar, 32 E. 22d  
(Composition) .....D  
Sloan & Co. (Inc.) (Hair) B  
Stoltzenberg Co. (Charcoal)  
B  
Veit, Son & Co., (Millinery)  
A  
Waldron & Carroll (Har-  
ness) .....D  
Walter, G. E., 157 E. 44th  
(Composition; Plastic) ..C  
**N. Y.—Syracuse**  
Schneider, F. H., 439 E. Wa-  
ter (Composition; Plastic) F  
**N. Y.—Watervleit**  
Covert Manufacturing Co.  
(Harness) .....A  
**OHIO—Akron**  
Enterprise Mfg. Co. (Har-  
ness) .....A  
**OHIO—Canton**  
Berger Mfg. Co. (Gable) AA  
**OHIO—Cincinnati**  
Edwards Mfg. Co. (Copper)  
D  
Marks, W. A. Plaster Orna-  
mentl Mfg. Co., 726 W.  
5th (Plastic) .....E  
Messmer Co., Andrew  
(Church) .....B  
Palm Bros. & Co., (Inc.)  
316 Main (Transfer; Car-  
riage) .....A  
**OHIO—Salem**  
Mullins, W. H. (Sheet Met-  
al; Brass; Copper; Zinc) A  
**PA.—Allentown**  
Grammes & Sons, L. F.

## ORNAMENTS (Con.)

(Brass) .....A  
**PA.—Philadelphia**  
Cassell, Jacob C. (Aqua-  
rium) .....D  
De Plange, F. B., 1849  
Ridge Av. (Plastic) ...D  
Farley & Bros., Wm. E.,  
3635 Market (Plastic) ..X  
French & Co., Saml. H., 4th  
& Callowhill (Plastic) A  
Gara & McGinley Co., 83 So.  
17th (Sheet Metal) ...A  
Geilfuss, H. H., 1202 Vine  
(Confectioners') .....D  
Goasert, Henry, 320 Har-  
mony (Composition) ..H  
Heath, John A. S., 42 N.  
11th (Plastic) .....H  
Horstman Co., Wm. H.  
(Cap) .....AAAA  
Loeb, Lipper & Co. (Silk;  
Millinery) .....A  
McCune, Alex., 1303 Race  
(Composition) .....F  
National Decalcomania Co.  
(Transfer) .....F  
Stephens, Cooper & Co., 15  
So. 18th (Composition;  
Plastic) .....D  
Thorn Co., J. S., 1227 Cal-  
lowhill (Sheet Metal) ...A  
Whitman & Co., J. Franklin,  
212 So. 5th (Composition) C  
**PA.—Union City**  
Novelty Wood Work Co.  
(Wood Furniture) .....B  
**R. I.—Providence**  
Feeley Co., W. J. (Church)  
B  
Hancock, Co., Chas. E.  
(Hair) .....B  
Pollard & Co., A. (Milli-  
nery) .....E  
**WIS.—Milwaukee**  
Milwaukee Ornamental Car-  
ving Co., 423 Poplar (Plas-  
tic; Wood) .....F  
**WIS.—Oshkosh**  
Gould Mfg. Co. (Wood) ..A  
McMillen Co., R. (Wood) A  
Morgan Co. (Wood) ....AA  
Paine Lumber Co. (Wood)  
AAAA

## OSNABURGS

See Cotton Goods

## OTTOMANS

See also Furniture

**MINN.—Minneapolis**  
McLeod & Smith .....B  
**New York City**  
Judd & Co., H. L. (Brass) AA  
**N. Y.—Rochester**  
Archer Mfg. Co. (Piano) A

## OUTFITS

**CONN.—Deep River**  
Williams & Marvin Mfg. Co.  
(Button Makers) .....D  
**CONN.—Waterbury**  
Scovill Mfg. Co. (Photogra-  
phic; Amateur) ....AAAA  
**ILL.—Chicago**  
Liquid Carbonic Acid Mfg.  
Co. (Liquid Gas Charg-  
ing) .....AAAA  
**LA.—Amite City**  
Gullett Gin Co. (Cotton  
Gin) .....A  
**LA.—New Orleans**  
Coleman & Co., H. Dudley  
(Cotton Gin) .....D  
**N. J.—Newark**  
Gould & Eberhardt (Button  
Makers) .....A  
Sacks Iron Foundry, Louis  
(Cobblers') .....A  
**New York City**  
Abercrombie & Fitch  
(Camping) .....C  
Gennert, G. (Photographic;  
Amateur) .....B  
Gordon Battery Co. (Table;  
Shelf) .....D  
Horsman Co., E. I. (Photo-  
graphic; Amateur) ....C  
Kohlbusch, Herman (Sugar



## **OUTFITS (Con.)**

Chemists) .....B  
Lovejoy Co. (Stereotypers)B  
Pierce Well Engineering &  
Supply Co. ....D  
Wesol Mfg. Co., F. (Stereotypers) .....X  
N. Y.—Rochester  
Eastman Kodak Co. (Photographic; Amateur) AAAAA  
**OHIO—Cincinnati**  
Western Tray Factory  
(Trunk) .....F  
**OHIO—Cleveland**  
Cleveland Dental Mfg. Co.  
(Dental) .....B  
**OHIO—Plymouth**  
Root Bros. Co. (Cobblers;  
Tinware Repairing) ...B  
**PA.—Philadelphia**  
Enterprise Mfg. Co., N. 3d  
& Dauphin (Cobblers') AAAAA  
**TEXAS—Fort Worth**  
Fort Worth Iron & Steel  
Mfg. Co. (Drive Well) A

## **OUTING SUITS**

See Clothing: Men's

## **OVENS**

**CONN.—Stamford**  
Oven Equipment & Mfg. Co.  
(Enameling; Gas) .....B  
**ILL.—Chicago**  
Arnstein, Eugene, 35th &  
Shields Av. (Enameling) A  
Hubbard Portable Oven Co.,  
112 Mich. (Portable) ...O  
White Mfg. Co., 158 Indiana  
(Enameling) .....X  
**ILL.—Harvey**  
Whiting Foundry & Equipment  
Co. (Core) .....AA  
**ILL.—Paxton**  
Paxton Hdw. Mfg. Co.  
(Portable) .....X  
**IND.—Mishawaka**  
Dodge Mfg. Co. (Square;  
Rotary Core) .....AAA  
**KANS.—Fort Scott**  
Fort Scott Foundry & Machine  
Co. (Ore Roasting)E  
**MASS.—Boston**  
Howes Co., S. M. (Gas;  
Gasoline; Oil) .....B  
**MASS.—Cambridge**  
Barbour-Stockwell Co.  
(Bakers') .....A  
**MICH.—Detroit**  
American Electric Heater  
Co. (Bakers') .....B  
Byram & Co. (Core) ....D  
Detroit Vapor Stove Co.  
(Gas; Oil Stove) .....B  
Northern Engineering Works  
(Core) .....A  
**MICH.—Jackson**  
Novelty Mfg. Co. (Gas; Gasoline;  
Oil; Portable) ..A  
**MICH.—Saginaw**  
Werner & Pfleiderer  
(Bakers') .....A  
**MO.—St. Louis**  
American Stove Co. (Portable)  
.....AAAA  
N. Y.—Buffalo  
Reid Portable Oven Co., H.  
(Combination Portable;  
Roaster) .....G  
Ruger Mfg. Co., J. W.  
(Mechanical) .....B  
New York City  
American Gas Furnace Co.  
(Enameling; Gas Enameling)  
.....A  
Crandall & Godley Co., 157  
Franklin (Portable) ..AA  
**OHIO—Cincinnati**  
Hill & Griffith Co. (Core) D  
Obermayer Co., S. (Core)AA  
Van Range Co., John (Portable)  
.....A  
**OHIO—Cleveland**  
Cleveland Foundry Co.  
(Portable) .....A  
Dangler Stove & Mfg. Co.  
(Gas; Gasoline; Oil) AAAAA  
Schneider & Traucamp (Gas;  
Gasoline; Oil) ....AAAA

## **OVENS (Con.)**

Smith Fdry. Supply Co., 40  
S. Water (Core) .....D  
Van Dorn Iron Works Co.  
Enameling; Japan) ..AA  
Wellman-Seaver Organ Co.  
(Coke) .....AAAA  
**OHIO—Toledo**  
National Cement & Rubber  
Mfg. Co. (Enamelled;  
Gas; Gasoline) .....C  
**PA.—Philadelphia**  
Paxson Co., J. W., 1021 W.  
Del. Av. (Core) .....AA  
**PA.—Pittsburg**  
McCormick Co., J. S., 25th  
& A. V. Ry. (Core) ....E  
B. I.—Providence  
American Enamel Co.  
(Enameling) .....B  
**VT.—Burlington**  
Blodgett Co., G. S. (Baking;  
Japaning Core; Cabinet;  
Portable; Enameling) ..O

## **OVERALLS**

See Clothing: Men's

## **OVERCOATS**

See Clothing: Men's

## **OVER-COATINGS**

See Woollen Goods

## **OXIDE**

**MO.—St. Louis**  
Mallenckrodt Chemical  
Works (Chrome) ..AAAA  
Ozark Zinc Oxide Co.  
(Zinc) .....B  
N. J.—Lincoln  
Atlas Mineral & Machine Co.  
(Iron) .....D  
N. Y.—Brooklyn  
Wiarda & Co., John C.  
(Chrome; Cobalt; Manganese;  
Nickel; Iron; Copper;  
Silver; Tin; Uranium;  
Zinc) .....AA  
N. Y.—Clinton  
Clinton Metallic Paint Co.  
(Red) .....C  
New York City  
Cooper & Co., Chas.  
(Chrome; Gold) .....AA  
Feuchtwanger & Co., L.  
(Chrome) .....B  
Gabriel & Schall, 205 Pearl  
(Zinc) .....B  
Johns-Manville Co., H. W.  
(Red) .....AAAA  
New Jersey Zinc Co. (Zinc)  
.....A  
Prince Mfg. Co. (Red) ...B  
Tiemann & Co., D. F. (Red)  
.....A  
N. Y.—Randolph  
Elko Paint Co. (Dry;  
Enamel) .....C  
**PA.—Easton**  
Williams & Co., C. K. (Red;  
Yellow) .....A  
**PA.—Philadelphia**  
Drueding Bros. Co. (Magnesium)  
.....AA  
Powers-Weightman-Rosengarten  
Co. (Gold) AAAAA  
White Dental Mfg. Co., S.  
S. (Nitrous; Liquefied) AAAAA  
**PA.—Pittsburg**  
Davis Lead Co. (Lead) ...A  
**PA.—Williamsport**  
National Paint Works (Red;  
Zinc) .....B  
**TENN.—Chattanooga**  
Chat. Paint Co. (Red) ....O  
**WIS.—Mineral Point**  
Mineral Point Zinc Co.  
(Zinc) .....AA

## **OXYGEN**

See Gas

## OYSTERS: CANNED

See Canned Goods

## OZOKERITE

New York City

Brunn, A. W. ....X

## PACKAGES

See also Baskets; Cooper-  
age; Boxes

ILL.—Chicago

Creamery Package Mfg. Co.

(Beer; Butter; Lard)

AAAA

ILL.—Mound City

Metal Bound Package Co.

(Metal Bound) .....

A

MASS.—Townsend

Fessenden, B. & A. D. (Fish;

Lard; Paint; Varnish;

Pickle) .....

A

N. H.—Keene

Beaver Mills (Fish; Jelly) .A

Impervious Package Co.

(Lard; Oil; Pickle; Syrup)

B

N. Y.—Buffalo

Wright & Co., R. G. (Oil;

Paint; Varnish) ....AA

OHIO—Cincinnati

Cincinnati Cooperage Co.

(Beer; Ale) .....

AAA

OHIO—Defiance

American Steel Package Co.

(Steel Bottle) .....

B

OHIO—East Liverpool

Williams & Co., S. C.

(Pottery) .....

A

WIS.—Menasha

Menasha Woodenware Co.

(Butter; Fish; Jelly;

Lard; Syrup) .....

AA

## PACKERS

See Canned Goods; Machin-  
ery

GA.—Atlanta

De Loach Mill Mfg. Co.

(Shingle) .....

B

ILL.—Moline

Barnard & Leas Mfg. Co.

(Bean; Flour) .....

AA

IND.—Indianapolis

Nordyke & Marmon Co.

(Flour) .....

AAA

IND.—Richmond

Richmond City Mill Works

(Flour) .....

B

KANS.—Leavenworth

Great Western Mfg. Co.

(Flour) .....

AA

MASS.—Boston

Hersey Mfg. Co. (Barrel)

AA

MICH.—Saginaw

Mitts & Merrill (Shingle) .B

N. Y.—Brooklyn

Ross & Son, Chas. (Barrel)

D

N. Y.—Buffalo

Nove Mfg. Co., Jno. T.

(Flour) .....

X

N. Y.—Lockport

Trevor Mfg. Co. (Shingle)

B

N. Y.—Silver Creek

Howes Co., S. (Bean; Flour;

Cement) .....

A

OHIO—Cincinnati

Day & Co., J. H. (Flour;

Spruce) .....

A

OHIO—Columbus

Case Mfg. Co. (Flour) ....A

PA.—Bradford

Dresser, S. R. (Oil Well)

AA

McElwaine Co. (Oil Well)

D

PA.—Muncy

Sprout, Waldron & Co.

(Flour) .....

A

VT.—Montpelier

Lane Mfg. Co. (Shingle) .A

WIS.—Milwaukee

Ellis-Chalmers Co. (Flour)

AAA

PACKERS (Con.)

Filer & Stowell Co. (Shingle

AAA

## PACKING

CAL.—San Francisco

American Balance Valve Co.

(Ring) .....

D

CONN.—Hartford

Hartford Rubber Wks. Co.

(Rubber; Steam) .AAAA

Johns-Pratt Co., 555 Capitol

(Vulcanized Asbestos;

Steam) .....

A

DEL.—Wilmington

American Vulcanized Fibre

Co. (Vulcanized Fibre)

AAAA

Delaware Hard Fibre Co.

(Hard Fibre; Steam) ...B

Planet Mills Mfg. Co. (Jute)

AAAA

ILL.—Aurora

Udstad, S. (Plaster) .....

E

ILL.—Chicago

Advance Packing & Supply

Co., 135 S. Canal (Asbes-

tos; Metallic Sheet;

Steam) .....

C

Allen Mfg. Co., W. D., 151

Lake (Steam) .....

B

Carpenter, Geo. B. & Co.

(Valve; Rod; Piston) .AA

Chicago Fireproof Covering

Co., 18 N. Canal (Steam)

B

Chicago Rawhide Mfg. Co.,

75 E. Ohio (Rawhide;

Rawhide Hydraulic

Steam) .....

A

Goodsell Packing Co., 33 So.

Canal (Improved Metallic;

Flax; Metallic Steam) .B

Hennebelle, Frank (South)

(Metallic) .....

D

Jenkins Bros. of New York,

31 N. Canal (Steam;

Valve; Rod; Piston) .AA

Jerome & Elliott, 35 So.

Canal (Metallic; Ring;

Metallic Steam) .....

A

Johns-Manville Co., H. W.,

of New York (Steam;

Asbestos; Metallic) AAAA

New York Belting & Pack-

ing Co. (Ltd.), 150 Lake

(Rubber; Steam) .AAA

Phenix Metallic Packing Co.

70 So. Jefferson (Metal-

lic) .....

F

Railway Appliances Co. Old

Colony Bldg. (Metallic;

Ring) .....

A

Revere Rubber Co. of Bos-

ton, Mass., 168 Lake

(Steam) .....

AAAA

Swain Lubricator Co., 252

Lake (Metallic; Metallic

Steam) .....

B

ILL.—Evanston

Mark Mfg. Co. (Leather)

AA

IND.—Indianapolis

Pioneer Brass Wks. (Piston;

Rod) .....

C

IND.—Terre Haute

American Asbestos Co.

(Valve Rod; Piston;

Vault) .....

D

KY.—Covington

Overman & Schrader Cord-

age Co. (Jute) .....

AA

KY.—Louisville

Cook, C. Lee (Metallic) .D

LA.—New Orleans

Fairbanks Co. (Semi-Bronze;

Asbestos, for high and low

and Hydraulic Pressure;

Steam) .....

AAAA

MAINE—Portland

Lang Co., E. M. (Metallic)

C

MASS.—Boston

American Steam Packing

Co., 60 Federal (Asbestos;

Metallic; Steam) .....

B

Anderson, G. P., 73 Oliver

(Ring) .....

D

Bay State Belting Co., 119

Franklin (Steam) ....A

Boston Belting Co., 256

Metallic; Wire Rope Pul-

Devonshire (Combination

# PACKING (Con.)

ley; Rubber; Ammonia;  
Plumbago; Piston; Spiral  
Piston; Ring &c.; Steam;  
Engine) .....AAAA  
Chesterton & Co., A. W., 64  
India (Metalbestos; Rub-  
berbestos; Steam; Engine) A  
Knowlton Rubber Co., Geo.  
W., 72 Broad (Ring)..F  
Lubron Mfg. Co., 51 India  
(Ring) .....F  
Silver Lake Co. (Locomo-  
tive) .....A  
Standard Packing Mfg. Co.,  
404 Atlantic Av. (Metallic  
Fibred Compound) .....X  
Watson Co., H. F., (of Erie,  
Pa.) 233 Congress (Steam;  
Asbestos) .....AAA  
**MASS.—Cambridge**  
Gould Packing Co. (Ring)..H  
**MASS.—Newton**  
Silver Lake Co. (Steam)..A  
**MICH.—Detroit**  
Detroit Leather Specialty  
Co. (Hydraulic Leather).C  
Detroit Lubricator Co. (Me-  
tallic; Steam) .....AA  
Harvey's Sons Mfg. Co., A.,  
1st. cor. Woodbridge  
(Steam) .....A  
**MICH.—Menominee**  
Prescott Co., D. Clint. (Me-  
tallic; Metallic Steam)..B  
**MO.—St. Louis**  
Broderick & Bascom Rope  
Co. (Hemp; Flax; Valve  
Rod; Piston) .....AA  
Hoyt Metal Co. (Metallic)  
A  
Leschen & Sons Rope Co., A.  
920 N. Main (Steam;  
Valve Rod; Piston)..AAA  
Pilley Packing & Fluebrush  
Co., 608 So. 3d (Ring).D  
Zelruker Supply Co., Wal-  
ter A., 408 No. 4th (Brass-  
bestos; Sheet; Steam)..C  
**N. J.—Bloomfield**  
Combination Rubber & Belt-  
ing Co. (Steam) .....A  
**N. J. Jersey City**  
Johnson Co., Henry (Ring)  
D  
Lane & Co., Rodney D., 484  
Johnson Av. (Ring)....H  
New Jersey Car Spring &  
Rubber Co. (Antimony;  
Rod; Sheet; Steam) ..AA  
**N. J.—Paterson**  
Barbour Flax Spinning Co.  
(Flax) .....AAAA  
**N. J.—Trenton**  
Empire Rubber Mfg. Co.  
(Cloth Insertion; Engine)  
AA  
Hamilton Rubber Mfg. Co.  
(Rubber; Steam) .....A  
Hunt Mfg. Co., Jas. B.  
(Gum; Core; Flax; Steam)  
C  
Trenton Rubber Mfg. Co.  
(Gum) .....A  
**N. Y.—Auburn**  
Columbian Cordage Co.  
(Jute) .....AA  
Leather & Brass Mfg. Co.  
(Leather) .....F  
**N. Y.—Brooklyn**  
Clinton Mfg. Co., 83 Grand  
Av. (Flax) .....C  
Excelsior Ring Packing Co.,  
430 Kent Av. (Ring)...D  
Ward & Upright Engineer-  
ing Co., 41 York (Metal-  
lic) .....D  
**N. Y.—Jamestown**  
Engineering & Power Co.  
(Steam) .....X  
**New York City**  
American Mfg. Co., 63 Wall  
(Jute) .....AAAA  
Asbestos Felting Works  
(Asbestos) .....D  
Brandt, Randolph (Cotton;  
Engine; Flag; Gum;  
Hemp; Ice Machine) ...E  
Common Sense Metallic  
Packing Mfg. Co., 393  
Pearl (Metallic) .....D  
Green, Tweed & Co., 17

# PACKING (Con.)

Murray (Steam) .....B  
Gutta Percha & Rubber Mfg.  
Co., 126 Duane (Steam)  
AAAA  
Hall Mfg. Co., 40 Cortlandt  
(Ring) .....C  
Katzenstein & Co., L., 353  
West (Metallic; Metallic  
& Flexible Tubular Me-  
tallic Steam) .....A  
Keasbey & Mattison Co., 84  
John (Steam) .....AAAA  
Lawrence Cordage Works  
(Hemp; Jute) .....A  
Magnolia Metal Co., 260  
W. Bway (Ring) .....B  
Massasoit Mfg. Co. (Cot-  
ton) .....AA  
Mayer, Lane & Co., 128  
White (Asbestos) .....X  
Mineralized Rubber Co., 18  
Cliff (Steam) .....A  
New Jersey Asbestos Co., 47  
Dey (Asbestos) .....AA  
New York Rubber Co., 84  
Reade (Steam) .....AA  
Peerless Rubber Co., 16  
Warren (Spiral; Piston  
Rod; Valve Rod; Steam)  
AAAA  
Roberts & Bros., Geo. J.  
(Inc.), 471 4th Av.  
(Square; Flax; Steam).B  
Robertson & Sons, Jas. L.  
204 Fulton (Steam; As-  
bestos; Cotton; Engine;  
Jute; Hemp) .....C  
Travers Bros. Co., 41 Worth  
(Jute; Hemp) .....AA  
Union Selling Co. (Hemp)  
AAA  
Watson-Stillman Co. (Cup)  
A  
Whitman & Barnes Mfg.  
Co., 111 Chambers (Rub-  
ber; Steam Valve; Rod;  
Piston) .....AAAA  
**N. Y.—Palmyra**  
Garlock Packing Co. (Metal-  
lic; Ring; All Kinds, for  
all purposes; Steam) ...A  
**OHIO—Akron**  
Akron Belting Co. (Leather)  
A  
**OHIO—Cincinnati**  
Bradford Belting Co., cor.  
2d & Walnut (Steam)..A  
Jacobs Cordage Co., Harriot  
& Budd (Hemp) .....A  
**OHIO—Cleveland**  
American Metallic Packing  
& Supply Co., Williamson  
Bldg. (Self-Lubricating  
Metallic) .....F  
Cleveland Tool & Supply Co.  
8 So. Water (Steam) ..C  
**OHIO—Columbus**  
Hayden Mfg. Co., N. L.  
(Metallic; Steam) .....C  
**OHIO—Lockland**  
Carey Mfg. Co., Philip  
(Asbestos) .....AAA  
**PA.—Bridgeport**  
Wilkinson Mfg. Co. (Piston  
Rod; Steam) .....C  
**PA.—Chester**  
Harper Mfg. Co. (Metallic)  
D  
**PA.—Erie**  
Watson Co., H. F. (Asbes-  
tos) .....AAA  
**PA.—Franklin**  
Franklin Mfg. Co. (Piston  
Rod; Steam) .....C  
**PA.—Hoboken**  
Flocker & Co., John (Cot-  
ton; Hemp; Sisal) .....C  
**PA.—Jersey Shore**  
American Balance Valve Co.  
(Metallic) .....D  
**PA.—Philadelphia**  
Asbestos Mfg. Co., 426 Mar-  
ket (Steam) .....B  
Bailey & Co., Jno. T., cor.  
Water & Tasker (Jute)  
AAAA  
Billington Co., Jas. H., 113  
Chestnut (Steam) .....A  
Cancos Mfg. Co., 146 N. 2d  
(Metallic) .....D  
Canfield Mfg. Co. (Ltd.),  
1112 Noble (Braided Gum

**PACKING (Con.)**

Core; Square Flax Spiral;  
Ring; Steam) .....C  
Eureka Packing Co., 14 No.  
4th (Steam) .....C  
France Packing Co. (Inc.),  
6506 State Road Tacony  
(Piston Rod; Valve Rod,  
&c.; Metallic Steam) ..C  
Glandring Co., James (Gum)  
X  
Houghton & Co., E. F., 240  
W. Somerset (Leather;  
Hydraulic Leather;  
Steam) .....B  
Mulconroy Co. (Inc.), 1213  
Market (Rubber Steam) ..A  
Sayen & Schultz, 13th &  
Commerce (Metal Wedge;  
Oxidized White Sheet;  
Gum; Steam) .....C  
Smith & Co., Jas. (Inc.), 421  
Race (Steam; Locomotive;  
Hydraulic) .....AA  
Underwood & Co., H. B.,  
1025 Hamilton (Cylinder;  
Steam) .....B  
United States Metallic Pack-  
ing Co., 427 N. 13th (Me-  
talic Steam) .....B  
Walker & Sons, Thos., 4619  
Tacony (Metallic; Steam)  
C  
Williamson & Cassedy, 526  
Market (Steam) .....A  
**PA.—Pittsburg**  
Chaplin-Fulton Mfg. Co., 30  
Penn Av. (Steam) .....A  
Flocker & Co. (Ltd.), Jno.,  
618 Liberty (Steam) ...B  
Frick & Lindsay Co., 109  
Wood (Steam) .....C  
Hartley-Rose Belting Co.,  
634 Smithfield (Steam) ..A  
Larkin Metallic Packing Co.,  
Imperial Power Bldg.  
(Metallic) .....F  
McClintock & Irvine, Neville  
& P. R. R. (Steam Hemp;  
Jute) .....B  
Pennsylvania Electric &  
Railway Supply Co., 3d  
& Penn Av. (Self-Lubri-  
cating Metallic) .....D  
Pittsburg Mfg. Co., Imperial  
Power Bldg. (Metallic  
Steam) .....A  
Pittsburg Rubber & Leather  
Co., 10 Wood (Steam) ..AA  
Pittsburg Supply Co., 226  
1st Av. (Steam) .....A  
Turner, C. A., 16 Market  
(Steam) .....B  
**PA.—Wilkesbarre**  
Holmes Metallic Packing  
Co. (Piston Rod) .....F  
**S. C.—Charleston**  
Charleston Metallic Packing  
Co. (Semi-Bronze; Steam)  
C  
**TENN.—Memphis**  
Livermore Fdy. & Machine  
Co. (Hemp) .....A  
**WIS.—Milwaukee**  
Delaney Oil & Lubricant Co.,  
45 3d (Metallic) .....X  
Western Raw Hide & Belt-  
ing Co. (Rawhide) ....D

**PADDING**

**MASS.—Boston**  
Boston Regalia Co., 7 Tem-  
ple Pl. (Military) .....F  
**MASS.—Canton**  
Knitted Mattress Co. (Up-  
holstery; Table) .....C  
New York City  
Sperry & Beale Co., 89 Un-  
ion Sq. (Floor) .....B

**PADDLES**

**MAINE.—Orono**  
Taylor & Co., W. C. (Canoe)  
E  
**MASS.—Boston**  
Hinckley Bros. & Co. (Boat)  
B  
Shaw & Co., T. J. (Boat)  
E  
Sheldon & Co., O. (Boat) ..D

**PADDLES (Con.)**

**N. Y.—Canton**  
Rushton, J. H. (Boat) ..F  
New York City  
De Grauw, Aymar & Co.  
(Boat) .....AA  
Estes & Sons, E. B., 45  
John (Boat) .....AA  
New York Boat Oar Co.  
(Boat) .....A  
Smith, John T. (Boat) ...E  
**OHIO.—West Lafayette**  
West Lafayette Mfg. Co.  
(Paint) .....E  
**WIS.—Menasha**  
Menasha Wood Split Pulley  
Co. (Beater) .....D

**PADLOCKS**

See Locks

**PADS**

**CONN.—Bethel**  
Shepard & Son, Geo. A.  
(Hat) .....F  
**CONN.—Hartford**  
Jewell Pad Co. (Collar;  
Medicated; Rawhide)  
AAA  
**CONN.—New Haven**  
Cowles & Co., C. (Inc.)  
(Step) .....A  
National Waste Product Co.  
(Leather; Rubber Horse-  
shoe) .....G  
**CONN.—Plantsville**  
Atwater Mfg. Co. (Step) ..A  
Blakeslee Forging Co. (Step)  
B  
Smith & Co., H. D. ....A  
**ILL.—Chicago**  
Eureka Blotter Bath Co.  
(Copying Cloth) .....E  
Kiper & Son, S. (Coach Hard  
Rubber) .....AA  
Ortmayer & Son, A. (Har-  
ness) .....AA  
Thacker Magnetic Shield Co.  
(Magnetic) .....B  
**ILL.—Quincy**  
Schott Saddlery Co., J. B.  
(Coach) .....AAA  
**IND.—Kokomo**  
Ulrich Mfg. Co. (Coach) ..E  
**IND.—South Bend**  
Studebaker Bros. Mfg. Co.  
(Coach) .....AAAA  
**IOWA.—Dubuque**  
Dubuque Harness & Saddlery  
Co. (Coach; Harness;  
Sweat; Team) .....X  
**IOWA.—Waterloo**  
Powers Mfg. Co. (Sweat) ..E  
**KY.—Louisville**  
Harblson & Gathright (Har-  
ness) .....AA  
**MD.—Baltimore**  
American Coat Pad Co.  
(Coat) .....E  
Marcus & Bro., M. H.  
(Stair) .....X  
**MASS.—Boston**  
Cutter-Tower Co. (Writing;  
Desk; Blotting) .....B  
Neverslip Horseshoe Co.  
(Horseshoe) .....D  
Union Carpet Lining Co. ..AA  
Webster Co., F. S. (Stamp)  
AA  
**MASS.—Holyoke**  
American Pad & Paper Co.  
(Writing; Desk; Blotting)  
A  
**MASS.—Springfield**  
Smith Mfg. Co., R. H.  
(Stamp) .....C  
**MICH.—Buchanan**  
Zinc Collar Pad Co. (Collar;  
Medicated; Sole Leather;  
Collar, Zinc) .....D  
**MICH.—Three Rivers**  
Initial Toe Pad Co. (Coach  
Hard Rubber) .....D  
**MINN.—St. Paul**  
Hardenbergh & Co., P. R. L.  
(Harness) .....A  
**MINN.—Winona**  
Minnesota Harness Factory  
(Collar) .....C

# **PADS (Con.)**

**MO.—St. Louis**  
Homann Saddlery Co., Wm.  
(Harness) .....B  
**N. H.—Concord**  
Hill & Co., Jas. R. (Inc.)  
(Harness; Sweat) .....D  
**N. J.—Newark**  
Peters Harness & Saddlery  
Co. (Bridge Collar; Coach;  
Collar; Felt; Gig; Har-  
ness; Horseshoe; Perfo-  
rated; Rawhide; Sole  
Leather; Sweat; Sweat  
Hair; Team) .....C  
Pomeroy Co., J. (Stamp)...F  
Rubber & Celluloid Harness  
Trimming Co. (Coach)...AA  
Sergeant Mfg. Co. (Coach)  
A  
**N. Y.—Auburn**  
Clapp Mfg. Co., E. D. (Step)  
B  
**N. Y.—Buffalo**  
Pratt & Letchworth Co.  
(Step) .....AAA  
**N. Y.—Castleton**  
Fort Orange Paper Co.  
(Writing) .....X  
**N. Y.—East Syracuse**  
Benedict Mfg. Co., M. S.  
(Silver Ink) .....AA  
**New York City**  
Boorum & Pease Co. (Writ-  
ing; Desk; Blotting)...AAA  
Excelsior Quilting Co..  
Laight & Varick (Table)  
A  
Faber, Eberhard (Hand Ink)  
AAA  
Ferris Bros. Co., 841 B'way  
(Dress) .....A  
Force & Co., Wm. A.  
(Stamp) .....B  
Goodyear's India Rubber  
Glove Mfg. Co. (Teething)  
AAAA  
Hodgman Ruber Company  
(Teething) .....AAAA  
Marcus & Bro., M. H.  
(Stair) .....A  
Massasoit Mfg. Co. (Stair)  
AA  
New York Blank Book Co.  
(Writing) .....AAAA  
New York Stencil Works  
(Stamp) .....X  
Sperry & Beale Co. (Stair)  
B  
Stafford Co. (Stamp) ...F  
Tingue Brown & Co. (Felt)  
D  
Weatjen, Jno. G. (Hat)...E  
**N. Y.—Syracuse**  
Frazer & Jones Co. (Coach)  
AA  
**OHIO—Akron**  
Enterprise Mfg. Co. (Sweat;  
Sweat Cork) .....A  
Goodrich Co., B. F. (Truss)  
AAAA  
**OHIO—Canton**  
Gilliam Mfg. Co. (Coach;  
Harness; Team) .....A  
**OHIO—Cincinnati**  
Columbia Mfg. & Supply Co.  
(Coach) .....X  
Globe-Wernicke Co. (Desk  
Blotting) .....AAAA  
Monarch Carriage Goods Co.  
(Step) .....B  
Perkins-Campbell Co. (Col-  
lar) .....AA  
**OHIO—Cleveland**  
Cleveland Hardware Co.  
(Step) .....AA  
**OHIO—Greenfield**  
McClain Mfg. Co., E. L.  
(Collar; Sweat) ..AAAA  
**OHIO—New Berlin**  
Hoover, W. H. (Coach; Har-  
ness; Team) .....A  
**OHIO—Wooster**  
Standard Coach Pad Co.  
(Coach) .....C  
**PA.—Huntington**  
Blair Co., J. C. (Writing)  
AA  
**PA.—Philadelphia**  
Delaware Rubber Co., 631  
Market (Rubber; Horse)  
X

# **PADS (Con.)**

Mann Co., Wm. (Writing;  
Desk Blotting) .....AA  
**R. I.—Providence**  
Davol Rubber Co. (Teeth-  
ing) .....AA  
**R. I.—Woonsocket**  
Perforated Pad Co. (Perfo-  
rated; Step Saddle) ...B  
**TENN.—Chattanooga**  
Southern Saddlery Company  
(Coach) .....A  
**VA.—Glen Allen**  
Cussions, May & Co. (Cal-  
endar; Desk; Blotting)...B  
**VA.—Richmond**  
Randolph Paper Box Co.  
(Wrapping Paper) .....A  
**VA.—Madison**  
Curtis, Dexter Co. (Collar)  
B

# **PADS & TABLETS**

**COLO.—Denver**  
Kistler Stationery Co., W.  
H. ....B  
**CONN.—Burnside**  
Taylor-Atkins Paper Co...C  
**CONN.—Waterbury**  
Waterbury Blank Book Co.  
C  
**GA.—Atlanta**  
Montag Bros. ....O  
**ILL.—Aurora**  
Hodder & Co., J. H....C  
**ILL.—Bloomington**  
Pantagraph Printing & Sta-  
tionery Co. ....O  
**ILL.—Quincy**  
Stationers' Mfg. Co. ....O  
**IND.—Elkhart**  
Garden City Stationery Co.  
C  
**IND.—Fort Wayne**  
Fisher Bros. ....A  
Burt-Terry-Wilson Co. ....C  
**IOWA—Sioux City**  
Perkins Bros. Co. ....B  
**MASS.—Boston**  
Adams, Cushing & Foster,  
170 Devonshire ....B  
Perry & Co., Chas. E., 188  
Congress .....C  
**MASS.—Holyoke**  
Judd Paper Co. ....C  
Powers Paper Co. ....AA  
U. S. Env. Co. (Holyoke  
Env. Co. Div.) ..AAAA  
White & Wyckoff Mfg. Co.  
B  
**MASS.—Pittsfield**  
Eaton-Hurlbut Paper Co...A  
**MASS.—Westfield**  
Crane Bros. ....AAA  
**MASS.—Worcester**  
Whitney Mfg. Co. ....C  
**MICH.—Benton Harbor**  
Hopper Mfg. Co. ....A  
**MINN.—Minneapolis**  
McClellan Paper Co. ....C  
Leslie Paper Co., The John  
B  
**MO.—St. Louis**  
Barnard & Co., G. D....AA  
**N. Y.—Brooklyn**  
Acme Stationery & Paper  
Co., N. 9th & Wythe Av.  
B  
Bainbridge's Sons, Chas. T.,  
12 Cumberland .....A  
**New York City**  
Acme Stationery & Paper  
Co., 302 B'way .....B  
American Pad & Paper Co..  
320 B'way .....B  
Boorum & Pease Co., 101  
Duane .....AAA  
Hake Mfg. Co., Ph., 182-  
134 Essex .....B  
Hurd & Co., Geo. B., 425  
Broome .....AA  
N. Y. Blank Book Co., 7  
Laight .....AAAA  
Vernon, S. E. & M., 69  
Duane .....A  
Whiting Paper Co., 150  
Duane .....AAAA  
**N. Y.—Rochester**  
Myers, R. M. ....A

**PADS & TABLETS**

**N. Y.—Watertown**  
Hopper-Morgan Co. ....B  
**OHIO—Columbus**  
Nitsche Paper Co. ....B  
Ruggles-Gale Co. ....C  
**OHIO—Dayton**  
Reynolds & Reynolds Co...A  
**OHIO—Toledo**  
Blade Printing & Paper Co. B

**OHIO—West Carrollton**  
Friend Paper & Tablet Co.,  
Geo. H. ....AAA

**OREGON—Portland**  
Blake, McFall Co. ....B  
Pacific Paper Co. ....B

**PA.—Huntingdon**  
Blair Co., J. C. ....A  
**PA.—Johnstown**  
Johnstown Tribune Pub. Co. B

**PA.—Mt. Holly Springs**  
Mt. Holly Paper & Station-  
ery Co. ....A

**PA.—Philadelphia**  
Stern & Co., Ed., 112-114  
N. 12th .....B

**PA.—Pittsburg**  
Sherman Supply Co. ....A  
Johnston & Co., W. G., 900  
Penn Av. ....AA

**PA.—Reading**  
Earl, M. J. ....B  
**VA.—Richmond**  
Baughman Stationery Co...B  
Bell Book & Stationery Co. A

**Waddey Co., E. ....C**  
**WASH.—Seattle**  
Lowman & Hanford Station-  
ery & Printing Co.....B

**PAILS**

See also Woodenware; Tin-  
ware; Enamelled Ware, etc.

**CAL.—San Francisco**  
California Barrel Co. (Sy-  
rup; Candy; Grease;  
Olive; Pickle) ....AA

**CONN.—Meriden**  
Manning, Bowman Company  
(Chamber; Milk; Milk  
Strainer) ....AA

**GA.—Savannah**  
Pierpont Mfg. Co. (Candy) A

**ILL.—Chicago**  
Creamery Package Mfg. Co.  
(Candy) ....AAAA

**ILL.—Moline**  
Dimock, Gould & Co.  
(Paper) ....AA

**ILL.—Rockford**  
Palmer Co., H. H. (Milk) D

**IND.—Indianapolis**  
Indianapolis Sheet Metal  
Works (Combination Milk  
Strainer) ....D

**MICH.—Detroit**  
Briscoe Mfg. Co. (Fire; Gal-  
vanized Iron) ....A

**Buhl Stamping Co. (Fire;  
Galvanized Iron; Cham-  
ber; Enamelled) ....AA**

**Zenner Disinfectant Co.  
(Garbage) ....C**

**MICH.—Flint**  
Flint Cabinet Creamery Co.  
(Milk) ....E

**MINN.—Minneapolis**  
Bonsfield Woodenware Co.  
(Candy; Jelly; Oyster;  
Water; Wood) ....A

**MO.—St. Louis**  
Brecht Butchers' Supply Co.  
G. V. (Lard) ....AAA

**St. Louis Stamping Co.  
(Butter; Chamber; Enam-  
elled; Covered; Milk;  
Slop; Water, Enamelled) AAAA**

**N. H.—Keene**  
Beaver Mills (Butter;  
Candy; Grease; Spice;  
Pine) ....A

**N. H.—Sandown**  
Lovering, J. W. (Mortar;  
Army) ....C

**PAILS (Con.)**

**N. J.—Haddonfield**  
Star Milk Cooler Co. (Milk) C

**N. Y.—Albany**  
Hay & Co. (Lard; Dinner;  
Milk Strainer; Water;  
Tin) .....A

**N. Y.—Brooklyn**  
Sweeney Mfg. Co., W. H.  
(Butter; Covered; Dinner) A

**Vogel & Bros., Wm. (Fish;  
Grease; Oyster) ....AA**

**N. Y.—Buffalo**  
Shepard & Co., Sidney (Fire;  
Galvanized Iron; Lard;  
Dinner; Milk; Tin) .AAAA

**New York City**  
American Paper Pail & Box  
Co. (Paper) .....O

**Central Stamping Co.  
(Valve; Galvanized; Milk) AA**

**Cordley & Hayes (Chamber;  
Fibre; Commode; Fibre;  
Ice Water; Indurated;  
Fibre; Paper; Slop; Wa-  
ter; Fibre) .....A**

**Crandell & Godley Co.  
(Wood) .....AA**

**Goodyear's India Rubber  
Glove Mfg. Co. (Rubber) AAAA**

**Gutter Percha & Rubber Co.  
(Rubber) .....AAAA**

**Lalance & Grosjean Mfg. Co.  
(Chamber; Enamelled;  
Garbage; Milk; Slop; Wa-  
ter; Enamelled) ....AAAA**

**Mace & Co., L. H. (Water;  
Wood) .....B**

**National Enameling &  
Stamping Co., 81 Fulton  
(Fire; Galvanized Iron) AAAA**

**Reilly Bros. (Painters) ...D**  
**Stoutenborough, H. (Cover-  
ed; Galvanized; Ice  
Water) .....D**

**N. Y.—Rochester**  
Rochester Stamping Co.  
(Chamber) .....AAA

**N. Y.—Troy**  
Troy Stamping Works  
(Lard; Dinner; Water;  
Tin; Seaside; Shovels) AAAA

**N. Y.—Utica**  
Miller & Son, Chas. (Slop;  
Milk) ....AA

**OHIO—Cincinnati**  
Obermayer Co., S. (Found-  
ry; Factory) ....AA

**OHIO—Cleveland**  
Cleveland Wire Spring Co.  
(Steel) .....A

**Osborn Mfg. Co. (Foundry;  
Factory; Galvanized) ...B**

**OHIO—Dayton**  
Dayton Paper Novelty Co.  
(Oyster) .....A

**OHIO—Middlefield**  
Ohio Pail Co. (Candy) ...D

**OHIO—Salem**  
Clark Co., W. J. (Steel;  
Foundry) .....A

**PA.—Allegheny**  
Star Enameling & Stamping  
Co. (Dinner) ....B

**PA.—Philadelphia**  
Pfeiffer & Co., John ....A

**R. I.—Providence**  
Hill Mfg. Co., Jas. (Cham-  
ber, Galvanized; Iron,  
Galvanized) .....B

**VA.—Richmond**  
Richmond Cedar Works  
(Horse; Wood; Water;  
Wood; Cedar; Ice Cream;  
Lard; Spice; Wooden) AAAA

**WIS.—Menasha**  
Menasha Woodenware Co.  
(Candy; Oyster; Tobacco) AA

**WIS.—Racine**  
Johnson & Field Mfg. Co.  
(Milk) .....F

**PAJAMAS**

See also Clothing

**PAJAMAS (Con.)****CAL.—San Francisco**  
Ulman, Seeligsohn & Brown B**MAINE—Lewiston**  
Bates Street Shirt Co. .... C**MD.—Baltimore**  
Heineman, Fred. .... D

Towles Mfg. Co., Wm. H. .... C

**N. J.—Newark**  
Smith-Linnett Shirt Co. .... C**N. Y.—Albany**  
Munson, S. L. .... A**N. Y.—Binghamton**  
McHenry Shirt Co. .... D**N. Y.—Lockport**  
Sillesky & Co., D. R. .... C**New York City**  
Keep Mfg. Co. .... A

Keep Shirt Co., H. V. .... D

Newell, E. A. .... B

Millen &amp; Co., E. .... A

Simon, Julius .... C

Steiner &amp; Son .... A

**N. Y.—Peekskill**  
Janowitz-Maxwell Co. .... D**N. Y.—Troy**  
United Shirt & Collar Co. .... A

AAAA

**PA.—Philadelphia**  
Needles & Co., L. .... D**PAINTS****CAL.—Los Angeles**  
Silica Aluminum Paint Co.

Wilcox Bldg. (Anti-Rust) D

**CAL.—San Francisco**  
Bass, Hueter Paint Co., 46

Ellis .... A

California Paint Co., 238

First .... A

Chemical Paint Co., 28 Mont-

gomery .... A

Fuller &amp; Co., W. P., Pine

&amp; Front .... AAAA

Nason &amp; Co., R. A., 115

Front .... A

Pacific Oil &amp; Lead Works,

155 Townsend .... AAAA

Pacific Rubber Paint Co.

(Rubber) .... AA &amp; A

Paraffine Paint Co., 116

Battery .... B

**COLO.—Denver**  
Hallack Paint, Oil & Glass

Co., 1741 Arapahoe .... A

Humphrey-Jones Mercantile

Co., 1621 Arapahoe .... C

James Mercantile &amp; Mfg.

Co., B. L. .... B

**CONN.—Bridgeport**  
Crockett Co., D. B., 24 P. O.

Arcade .... B

**CONN.—Essex**  
Essex Paint Works .... A**CONN.—New Milford**  
Bridgeport Wood Finishing

Co. .... A

**DEL.—Wilmington**  
Bradford Co., Jas. (Roofing)

B

Bryan, Jas. M. &amp; W. R. .... C

**D. C.—Washington**  
Grafton & Son, 714 9th, N.

W. .... D

**GA.—Atlanta**  
Coolidge & Bro., F. J., 12

N. Forsyth .... A

Parian Paint Co. (Mixed) .... D

Tripod Paint Co., 37 N.

Pryor .... C

**GA.—Augusta**  
Augusta Sienna & Ochre Co.

(Mineral) .... F

O'Connor &amp; Schweers Paint

Co. .... D

**ILL.—Aurora**  
Akron Mining, Milling &

Mfg. Co. (Fire Resisting;

Graphite; Roofing; Rust

Proof; Waterproof) .... B

**ILL.—Bloomington**  
Globe Chemical Co. (Tree)

D

**ILL.—Chicago**  
Adams & Elting Co., 155

Washington Boul. (Cold

Water; Enamel) .... B

Alston Mfg. Co., 177 Ran-

dolph (Asphalt; Brick)

**PAINTS (Con.)**Car; Carriage; Copper;  
Dipping; Dry; Enamel;  
Family; Floor; Gold;  
House; Iron; Iron Cast-  
ing; Machinery; Metallic;  
Mineral; Oxide; Paste;  
Preservative; Priming;  
Ready Mixed; Roofing;  
Zinc) .... B

Bradley &amp; Vrooman Co.,

2633 Dearborn .... B

Cabot, Samuel, 28 Dearborn

Av. (Fire Resisting; Trol-

ley Pole) .... A

Chicago Fire Proof Cov. Co.,

20 N. Canal (Fireproof) .... D

Chicago White Lead &amp; Oil

Co., N. Green &amp; Fulton

AA

Chicago Wood Finishing Co.,

259 Elston Av. .... A

Colt &amp; Co., 33 Washn. .... A

Copper Cliff Mining Co., 79

Dearborn (Graphite) .... AA

Enterprise Paint Mfg. Co.,

211 S. Clinton .... C

Eureka Elastic Paint Co.,

154 Van Buren .... D

Fowler Elastic Enamel

Paint Co., 289 W. Lake. C

Freund Bros. Mfg. Co., S.

Canal .... B

Fuller &amp; Fuller Co., 220

Randolph .... AA

Haines, E. H., 503 Ashland

Blk. .... D

Hanna &amp; Andrus Mfg. Co.,

Weed &amp; Hawthorne .... C

Heath &amp; Milligan Mfg. Co.,

170 Randolph (Iron; Steel)

AAA

Henderson Varnish

Co.,

Thos. D., 1088 N. Wood

D

Inland White Lead Co., 361

S. Clinton .... A

Johnson Magnetic Paint Co.,

232 Clinton .... C

Milran Paint &amp; Varnish Co.,

N. 51st Av. (Fire Resist-

ing; Iron; Machinery) .... D

Pitkin Co., Geo. W., Ful-

ton &amp; Carpenter .... B

Rubber Paint Co., 154 W.

Van Buren (Roofing) .... AA

Senour Mfg. Co., 2516

Quarry .... B

Thurston &amp; Co., F. W., 29

River .... A

Vilas Bros., 227 5th Av. .... B

Wadsworth-Howland Co.,

Indiana Av. &amp; 13th (Coat-

ings &amp; Preserving for Iron

&amp; Steel Graphite &amp; Roof-

ing) .... A

Watson Co., Geo. E., 108

Lake .... B

Williams, T. D., 155 La

Salle .... D

**ILL.—East St. Louis**  
Illinois Mineral Milling Co.

C

**IND.—Indianapolis**  
Burdall & Co., 102 S. Mer-

idian .... AA

Indiana Paint &amp; Color Co.,

240 Mass. Av. .... D

Lilly Enamel &amp; Paint Co.,

Rose &amp; Norwood .... E

**IOWA—Davenport**  
Stearns Paint Mfg. Co. .... B**IOWA—Ft. Dodge**  
Iowa Paint Mfg. Co. (Dip-

ping; Dry; Floor; House

Mineral; Paste; Priming;

Ready Mixed Roof; Zinc)

O

**IOWA—Pella**  
Nimwegen & Son, H. .... D**KY.—Louisville**  
Bridges-Strassel Co., 1204

8th .... C

Louisville Lead &amp; Color

Works, 15th &amp; Lytle. AA

**LA.—New Orleans**  
American Paint Works, 2215

S. Water .... B

Barrett Mfg. Co., Hennen

Bldg. (Acid Proof; As-

bestos; Asphalt; Fire Re-

sisting; Casting &amp; Pre-

**PAINTS (Con.)**

serving for Iron & Steel;  
Insulating; Roofing; Rust-  
Proof; Waterproof) AAAA  
Kracke & Flanders, 630 Gra-  
vier .....C  
McWilliams (Ltd.), B., 342  
Camp .....C

**MAINE—Portland**

Burgess, Fores & Co. ....A  
MD.—Baltimore

Baltimore Copper Paint Co.,  
508 E. Hughes .....B

Baltimore Dry Paint Works,  
Ostend & Stockholm .....E

Davis Paint Co., H. B., 215  
Smiths W. K. ....A

Dunpel & Co., Wm. I., Os-  
tend & Stockholm .....D

Enamel Black Works, Car-  
roll .....B

Foy & Co., E. L., 16 W.  
Camden (Anti-Rust; As-  
phalt; Asphaltum; Brick;  
Bridge; Car; Fireproof;  
House; Iron; Paste; Rail-  
road; Roof) .....E

Hanline Bros., 23 S. How-  
ard .....B

Hirschberg, Hollender & Co.,  
25 W. Pratt .....A

Kaufman & Co., E. L.,  
Lafayette & Liberty ....D

Litharge Paint Co., 306 N.  
Holliday .....E

Poppelein, G. & N., 220  
North (Machinery) .....B

**MASS.—Boston**

Briggs & Co., John, 14  
Washn. (Aluminum; As-  
phaltum; Bridge; Car;  
Carriage; Enamel; Fam-  
ily; Floor; Graphite;  
House; Iron; Machinery;  
Mineral; Paste; Priming;  
Railroad; Ready Mixed;  
Roofing; Zinc) .....C

Chadwick-Boston Lead Co.,  
162 Congress .....AAA

Hoffman Co., J. W., 438  
Atlantic Av. ....D

Hot Iron Paint Co. (for Hot  
Surfaces) .....E

Wiley & Co., L. H., 92 Sud-  
bury .....B

Prince Paint Co., Jas. H.,  
5 Lancaster .....C

Seaver & Co., 120 Milk ....D

Speares' Sons, Alden, 369  
Atlantic Av. (Cold Water)  
A

Stickney & Co., J. W., 79  
Milk (Asphalt; Machin-  
ery; Smokestack) .....B

Wheeler, A., 52 High (Gold)  
D

**MASS.—Dighton**

Anchor Color Works .....A

**MASS.—Gloucester**

Tarr, Jas. H. (Copper) ....D

Tarr & Wonson (Copper;  
Marine) .....A

**MASS.—New Bedford**

Kirby, Jr., & Co., Geo. ....B

**MASS.—Salem**

Philbrick, L. B. ....C

**MASS.—Springfield**

Hampden Paint & Chemical  
Co. ....B

**MASS.—Watertown**

Waterproof Paint Co. (Wa-  
terproof) .....D

**MASS.—Wellesley**

Woods Sons' Co., Hy. ....A

**MICH.—Detroit**

Acme Lead & Color Co., St.  
Aubin Av. & M. O. B. R.  
(Coating & Preserving for  
Iron & Steel; Graphite;  
Insulating; Iron Oxide;  
Roofing; Steam Proof &  
Water Proof) .....AAA

Boydell Bros. White Lead &  
Color Co., 18 E. Congress  
(Brick; Bridge; Car; Car-  
riage; Copper; Dipping;  
Dry; Enamel; Graphite;  
House Iron; Machinery;  
Metallic; Ready Mixed;  
Roof; Rust-proof) ....AA

Buckeye Paint & Varnish  
Co., 715 Gratiot .....D

Continental Paint & Varnish

**PAINTS (Con.)**

Co., Clay & St. Aubin Avs.  
D

Detroit Graphite Co., 10  
12th (Coating & Preserv-  
ing for Iron & Steel;  
Graphite; Rust-proof) ...C

Detroit-Ideal Paint Co., 105  
Canfield Av., W. ....D

Detroit White Lead Works,  
532 Milwaukee .....AA

Jarratt Paint & Enamel Co.,  
92 Griswold .....E

Peninsula Paint & Varnish  
Co., Aubin Av. & M. C.  
B. R. (Mixed) .....A

MICH.—Flint

Michigan Paint Co. (Coat-  
ing & Preserving for Iron  
& Steel; Graphite) .....D

**MINN.—Minneapolis**

Atlas Paint Mfg. Co., 515  
1st Av. ....C

Eherson & Co., A. A., 901  
N. 2d .....D

Minn. Linseed Oil Paint Co.,  
240 10th Av. ....A

Northern Paint Co. (Floor;  
Graphite; Ready Mixed)  
B

**MINN.—St. Paul**

Blood & Co., T. L., 413 Wa-  
coute .....A

**MO.—St. Louis**

Becke-Moore Paint Co. ....B

Flatan Mfg. Co., 706 Chest-  
nut .....D

Gilson Asphaltum Co. (As-  
phalt) .....A

Hammar Paint Co., F., 1223  
Spruce .....A

Kent & Purdy Paint Co., 701  
N. 2d .....C

Mepharm & Krauss Mfg.  
Co., Levee & Sidney .....A

Mound City Paint & Color  
Co., 811 N. 2d .....A

Ozark Zinc Oxide Co., 308  
N. 6th .....B

Platt Thornburgh Paint Co.,  
620 Franklin Av. ....AA

Reardon Glue Co. (Cold  
Water) .....B

Thomas Mfg. Co., 215 S.  
Main (Roofing) .....B

Vane-Calvert Paint Co., 823  
Locust .....B

Wieder Paint Co., 1601 N.  
B'way .....B

**NEBR.—Lincoln**

Lincoln Paint Co. ....A

**N. J.—Boonton**

Colonial Works .....D

**N. J.—Jersey City**

Dixon Crucible Co., Jos.,  
169 Wayne (Bridge; Car;  
Coating & Preserving for  
Iron & Steel; Graphite;  
Iron; Machry.; Paste;  
Priming; Ready Mixed;  
Railroad; Roof; Smoke-  
stack) .....AAAA

New Jersey Paint Works,  
Fremont & Wayne .....A

Wookey Paint & Color Co.,  
500 Grand (Roofing) ....A

**N. J.—Newark**

Bigelow Varnish Co., 356  
Mulberry (Bridge; Iron)  
B

Cawley, Clark & Co., 278  
Passaic .....A

Johns Paint Mfg. Co., H.  
W., Chester Av. (Asbes-  
tos; Fire Resisting; Cast-  
ing & Preserving for Iron  
& Steel; Iron Oxide Mach-  
inery; Roofing; Smoke-  
stack; Trolley Pole) ...AA

Rice, S. E. M., 554 Broad  
(Flat White Enameled) .A

Wheeler & Mitchell, 317 N.  
J. R. R. Av. (Bridge;  
Iron; Roofing) .....D

**N. J.—Paterson**

Norwood & Berdan .....D

**N. Y.—Brooklyn**

Darby-McQuade Paint Co.,  
416 Marcy Av. ....D

Holzapfels Composition Co.,  
175 Beard .....B

Ingersoll, O. W., 248 Ply-  
mouth (Anti-Rust; Brick;



# PAINTS (Con.)

Car; Carriage; Dipping; Family; Machry.; Metal-lic; Priming; Ready Mixed; Roof) .....B  
 Johnson, H. M., 82 Washn. (Cold Water) .....A  
 Johnston, T. M., 69 Wash- ington .....A  
 King Paint Mfg. Co., 23 Durham Pl. (Bridge; Car-riage; Dry; House; Ma- chinery; Priming; Ready Mixed; Railroad) .....B  
 Masury & Son, Jno. W., 50 Jay .....AAAA  
 Moore & Co., Benj., 262 Water .....A  
 Phillips & Ferguson, 76 9th B  
 Rahtjens American Compo- sition Co., 69 Van Dyke (Marine) .....B  
 N. Y.—Buffalo  
 Buffalo Enamel & Stain Co., Ellicott Sq. ....D  
 Buffalo Oil Paint & Varnish Co., 1317 Elk .....AA  
 Deuther & Beck, 50 Niagara B  
 McDougall White Lead Co., 1317 Elk .....AA  
 McLennan Paint Co., 205 Rand, (Brick; Carriage; Coating & Preserving for Iron & Steel; Dipping; Dry; Enamel; Fatuly; Fireproof; Floor; Graph- ite; House; Iron; Iron Coating; Iron Oxide; Ma- chinery; Metallic; Min- ers; Oxide; Paste; Prim- ing; Railroad; Ready Mixed; Roofing; Rust Proof) .....B  
 N. Y.—Clinton  
 Clinton Metallic Paint Co. (Coating; Preserving for Iron; Steel; Metallic; Rust Proof) .....C  
 N. Y.—Ellenville  
 Kimble & Hombeck Co....D  
 N. Y.—Elmira  
 Elmira Oxide Paint Co. (Iron) .....D  
 Elmira Paint Wks. ....D  
 N. Y.—Fishkill on Hudson  
 Hammond, Benj. ....D  
 N. Y.—Long Island City  
 L. I. Paint & Color Wks. ....AAAA  
 Queens Co. Varnish Wks. (Marine) .....E  
 N. Y.—New Brighton  
 Muralo Co. (Cold Water).A  
 N. Y.—Newburgh  
 Fabrikoid Co. (Marine; Me- tallic; Artificial Leather) A  
 New York City  
 Am. Lucol Co., 44 B'way.A  
 Anderton, Robt. J., 107 4th Av. ....D  
 Austen & Co., L. H., 2 South .....D  
 Billings, King & Co., 438 Pearl (Coating; Preserv- ing for Iron; Steel; Roof- ing) .....A  
 Binney & Smith Co., 81 Fulton .....AAA  
 Carbolineum Co., 426 Gwich. (Bridge; Pres.; Railroads; Roofing) .....B  
 Childs & Co., Chas. M., 225 Pearl .....A  
 Chilton Paint Co., 69 Cort- landt (Roofing) .....A  
 Connors Paint Mfg. Co., Wm. (Bridges; Car; Car- riages; Roofing) .....A  
 Coulston & Co., J. W., 81 West .....A  
 De Ronde Co., F. S., 46 Cliff (Fire Resisting; Coating; Preserving for Iron; Steel; Insulating; Roofing; Waterproof)....C  
 Devoe, F. W. & C. T. Ray- nolds Co., 103 Fulton

# PAINTS (Con.)

man (Dry) .....A  
 Dunham, Thos. C., 68 Murray .....D  
 Feigel & Bro., M., 149 Mercer (Smoke Stack).A  
 Fox & Co., M. Ewing, E. 186th & Ridge Av. (Cold Water) .....D  
 Freed, David, 458 Pearl.D  
 Gerstendorfer Bros., 231 E. 42d (Enamel; Gold)....A  
 Graves & Co., N. Z., 296 Pearl .....AAA  
 Grote, Geo. W., 605 W. 39th .....D  
 Hacenbaig & Co., F., 714 E. 166th .....D  
 Heller & Merz Co., 22 Cliff A  
 Hoyt, Arthur, 90 W. B'way (Cold Water) .....B  
 Illsley, Doubleday & Co., 229 Front .....C  
 Kohnstamm & Co., H., 87 Park Pl. ....AA  
 Leggett & Bro., 301 Pearl.B  
 Longman & Martinez, 207 Pearl (Copper; Roofing) AAA  
 Messner Paint & Color Wks., 383 Pearl .....D  
 National Lead Co., 100 William .....AAAA  
 Newcomb, Jas. G., 26 B'way (Aluminum; Anti-Rust; Asphalt; Asphaltum; Brick; Bridge; Car; Car- riage; Copper; Dipping; Enamel; Fireproof; Floor; Graphite; House; Iron Casting; Mchry; Metal- lic; Preservative; Prim- ing; Railroad; Ready Mixed; Roof; Rust Proof) AAAA  
 Pierce Co., F. O., 170 Fulton .....A  
 Piper, Geo. W., 54 South..D  
 Prince Mfg. Co., 71 Maiden Lane (Coating; Preserv- ing for Iron; Steel; Roof- ing) .....B  
 Schlegel, Oscar, 182 Grand D  
 Seaboard Paint Co., 11 B'way .....D  
 Smith & Co., Edw., 45 B'way (Coating; Preserv- ing for Iron; Steel; Smoke Stack) .....A  
 Standard Graphite Co., 11 B'way (Graphite; Roof- ing) .....E  
 Standard Paint Co., 100 William (Coating; Pres- erving for Iron; Steel; Insulating; Roofing)....A  
 Stewart Mfg. Co., W. H., 81 Fulton .....B  
 Tieman & Co., D. F., 44 Duane .....AAA  
 Toch Bros., 85 Pearl (Coat- ing; Preserving for Iron; Steel; Insulating; Rust Proof; Smoke Stack; Trol- ley Pole) .....F  
 Water Paint Co. of America, 100 William (Water)....A  
 Williams, Sam. J., 11 B'way .....A  
 Zibell Damp Resisting Paint Co., 290 Front .....O  
 N. Y.—Ogdensburg  
 Rossie Iron Ore Paint Co. (Metallic) .....D  
 N. Y.—Poughkeepsie  
 N. Y. Marine Paint Co. (Marine) .....A  
 N. Y.—Randolph  
 Elko Paint Co. (Enamel; Oxide; Roofing) .....D  
 N. Y.—Rochester  
 Clark Paint Oil & Hdw. Co., 131 State .....A  
 N. Y.—Schenectady  
 Egleman & Boinger, 212 S. Centre .....O  
 N. Y.—Troy  
 Troy Cold Water Kalsomine Co., 72 Canal (Cold Wa- ter) .....A

# PAINTS (Con.)

**M. C.—High Point**  
 Alexander, H. ....D  
**M. C.—Wilmington**  
 Sprittine Chemical Co.  
 (Roofing) .....D  
**OHIO—Akron**  
 Akron Varnish Co. (As-  
 phaltum) .....A  
**OHIO—Barberton**  
 Carara Paint Co. ....A  
**OHIO—Canton**  
 Goheen Mfg. Co. (Car; Fire-  
 proof; Graphite; Iron;  
 Machy.; Metallic; Miner-  
 al; Preservative; Rail-  
 road; Ready Mixed; Roof-  
 ing; Smoke Stack; Trol-  
 ley Pole; Waterproof)...B  
**OHIO—Cincinnati**  
 Allen Anti-Rust Mfg. Co.,  
 413 Vine (Rust Proof)...D  
 Barron, Boyle & Co., 428  
 Main .....B  
 Bolce & Co., Louis H., 2311  
 Gilbert Av. ....C  
 Eagle White Lead Co., 1030  
 B'way (Paint) ....AAAA  
 Iridian Paint Co., 2d &  
 Main .....D  
 Kolbe Co., John, 229 W.  
 5th .....B  
 Long & Co., Edwin, 845  
 Clinton .....D  
 Moser & Co., Chas., 213  
 Main .....AAA  
 Ohio Oil & Varnish Co., 230  
 E. Pearl .....A  
 Peale & Bro., W. C., 904  
 Central Av. ....A  
 Richmond Bros., 177 E.  
 8th .....D  
 Washburn Co., Ira D., 1010  
 Central Av. ....C  
 Western Paint Co., 117 E.  
 8th .....D  
**OHIO—Cleveland**  
 Atlantic Paint Wks., Besse-  
 mer Av. & P. R. R.  
 (Bridge; Car; Carriage;  
 Graphite; Machy.; Metal-  
 lic; Oxide; Paste; Ready  
 Mixed; Zinc) .....A  
 Atlantic Refining Co., Gar-  
 field Bldg. (Fire Resist-  
 ing; Elastic Carbon)...A  
 Billings-Chapin Co., 37 Case  
 Av. (Coating; Preserving  
 for Iron; Steel; Roofing)  
 A  
 Cleveland Color Co., Mason  
 & Belden .....B  
 Cleveland Iron Ore Paint Co.  
 (Iron Ore) .....A  
 Colonial Paint & Varnish Co.  
 Marquette & St. Clair..B  
 Forest City Paint & Varnish  
 Co., Hamilton & Kirkland  
 (Asphalt; Barrel; Graph-  
 ite; Iron; Oxide; Machy.;  
 Roofing; Rust Proof;  
 Smoke Stack; Steam  
 Proof; Trolley Pole;  
 Waterproof) .....B  
 Garfield Paint Co., Rose  
 Bldg. ....D  
 Garry Iron & Steel Co., Coe  
 & Lake (Iron) .....A  
 Glenmore Color Wks.....A  
 Hascall Wise Co., Garfield  
 Bldg. (Roofing) .....A  
 Iron Clad Paint Co., 535  
 Seneca (Coating; Preserv-  
 ing for Iron; Steel; Gra-  
 phite; Roofing; Smoke  
 Stack; Rust Proof)...C  
 McNairy & Co., A. B., 160  
 Scranton (Brick; Bridge;  
 Car; Carriage; Dipping;  
 Enamel; Family; Floor;  
 Graphite; House; Iron;  
 Iron Casting; Machy.; Me-  
 tallic; Mineral; Paste;  
 Priming; Railroad; Ready  
 Mixed; Proof) .....B  
 Natl. Paint & Varnish Co.,  
 37 St. Clair .....C  
 Patterson-Sargeant Co., Wa-  
 son & Hamilton (Fire Re-  
 sisting; Coating; Preserv-  
 ing for Iron; Steel; Roof-  
 ing)  
 Peerless Paint & Varnish

# PAINTS (Con.)

Co. ....A  
 Sherwin Williams Co., 100  
 Canal .....AAA  
 Ullmann & Philpott Mfg.  
 Co., 95 Merwin .....B  
**OHIO—Columbus**  
 Columbus Paint Mfg. Co.,  
 272 Kimball .....D  
 Hanna Paint Mfg. Co., 111  
 E. Long (Roofing).....D  
 Orr, Dean & Barry Co....D  
**OHIO—Dayton**  
 Irvin Paint Glass Co., 124  
 E. 3d .....B  
 Jewell & Vinson, 436 E. 5th  
 D  
 Lowe Bros. Co., 452 E. 3d  
 AA  
**OHIO—Findlay**  
 Ohio Paint & Varnish Co.  
 (Coating; Preserving for  
 Iron; Steel; Roofing;  
 Smoke Stack) .....D  
**OHIO—Lackland**  
 Carey Mfg. Co., Ph. (As-  
 bestos) .....A  
**OHIO—Marietta**  
 Marietta Paint & Color Co.  
 C  
**OHIO—Piqua**  
 Piqua Paint & Putty Co.  
 (Brick; Bridge; Car; Car-  
 riage; Dipping; Enamel;  
 Floor; Graphite; House;  
 Iron Casting; Machy.;  
 Paste; Priming; Railroad;  
 Ready Mixed; Roof)...D  
**OHIO—Toledo**  
 Buckeye Paint & Varnish  
 Co., 719 So. 15th (Coating;  
 Preserving; Iron; Steel;  
 Graphite; Roofing; Steam  
 Proof; Rust Proof)...B  
 Dolphin Color Wks., 30  
 Sunnet .....C  
 Neel Glass & Paint Co., Hy.,  
 418 Monroe .....B  
**OHIO—Warren**  
 Warren Paint Co. ....B  
**PA.—Alburtis**  
 Bass Paint Co. (Metallic).C  
**PA.—Allegheny**  
 Diamond Paint & Oil Co.,  
 273 Spring Garden Av...D  
 Eagle Paint & Varnish Wks.  
 225 Grand Av. ....B  
 Gerdes & Bro., F. W.,  
 Grand & South Av....A  
 Natl. Lead & Oil Co., 2  
 Natl. Bank Bldg. (Quick  
 Drying) .....AAAA  
 Nevin Co., T. H., Preble &  
 Island Aves. ....A  
 Wisconsin Graphite Co.,  
 Grand Av. & Boquet  
 (Coating; Preserving; for  
 Iron; Steel; Graphite;  
 Iron Oxide; Machy.; Roof-  
 ing; Rust Proof; Smoke  
 Stack; Trolley Pole)...A  
**PA.—Allentown**  
 Allentown Mfg. Co., Law  
 & Maple (Oil) .....B  
 Princess Metallic Paint Co.  
 (Dry Metallic; Mineral).A  
**PA.—Bethlehem**  
 Erwin & Sons., Hy. (Metal-  
 lic) .....B  
 Semple, Frank G. (Mineral)  
 D  
**PA.—Easton**  
 Wagener & Co., J. O.  
 (Mineral) .....A  
 Williams & Co., C. K.  
 (Dry; Earth) .....A  
**PA.—Franklin**  
 Riesenman Mfg. Co. ....B  
**PA.—Jamestown**  
 Jamestown Paint & Varnish  
 Co. (House) .....B  
**PA.—Johnstown**  
 Cambria Paint & Color Wks.  
 (Brick; Dry; Graphite;  
 Machy.; Oxide; Ready  
 Mixed; Roofing; Rust  
 Proof) .....B  
**PA.—Lancaster**  
 Schroeder, Smith &  
 Schroeder .....D  
**PA.—Philadelphia**  
 Bennett-Lindeman Co., 1400  
 Fkd. Av. ....B

# PAINTS (Con.)

Binswanger & Co., B., 115  
 N. 4th (Coating; Preserv-  
 ing for Iron; Steel; Iron  
 Oxide; Machy.; Porcelain  
 Enamel; Smoke Stack;  
 Rust Proof) .....A  
 Bowens Sons, S., N. 4th  
 & Venango (Coating; Preserv-  
 ing for Iron; Steel;  
 Roofing) .....A  
 Butterworth & Co., C. H.,  
 125 Mkt. ....B  
 Evans & Son, Wm., 56 N.  
 Front .....B  
 Felton, Sibley & Co., 140  
 N. 4th (Coating; Preserv-  
 ing for Iron; Steel; Roof-  
 ing) .....AA  
 French & Co., Sam. H., 4th  
 & Callowhill (Aluminum;  
 Gold; Barrel; Brick; Cop-  
 per; Coating; Preserving  
 for Iron; Steel; Graphite;  
 Iron Oxide; Machy.; Roof-  
 ing; Rust Proof; Smoke  
 Stack) .....AAA  
 Harrison Bros. & Co., 35th  
 & Grays Ferry Rd. ....AAA  
 Howell & Co., C. H., 212  
 Race (Roofing) .....A  
 Lewis & Bro., Jno. T., 231  
 So. Front (Zinc) ....AAA  
 Lucas & Co., John, 322 Race  
 (Cold Water; Copper;  
 Fire Resisting; Coating;  
 Preserving for Iron; Steel;  
 Graphite; Iron Oxide;  
 Roofing; Rust Proof) ....  
 AAA  
 Maxwell & Co., John, 1420  
 S. Front .....D  
 Nice, Eugene, 272 S. 2d. ....B  
 Phila. Graphite Co., Steph-  
 en Girard Bldg. (Graph-  
 ite) .....B  
 Phoenix Paint & Varnish  
 Co., 124 Mkt. ....D  
 Phoenix Plumbago Mining  
 Co. (Graphite) .....A  
 Pittsburgh Plate Glass Co.,  
 Frick Bldg. ....AAA  
 Rambo, Theo. G., 1134  
 Beach .....D  
 Rinaldo Bros., 600 Arch  
 (Anti-Rust; Enamel; Bath  
 Tube; Outside Porcelain;  
 Radiator; Graphite; Iron;  
 Mineral; Priming; Roof)  
 .....E  
 Sauter & Co., F. W., 909 N.  
 9th .....B  
 Schrack & Co., C., 152 N.  
 4th .....A  
 Shoemaker & Co., Robt., 201  
 N. 4th .....A  
 Thompson Wood Finishing  
 Co., 115 N. 4th .....C  
 Waterall & Co., Wm., 200  
 N. 4th (Coating; Preserv-  
 ing for Iron; Steel;  
 Machy.; Roofing) .....A  
 Wetherill & Co., G. D., 114  
 N. Front (Iron) .....A  
 Wetherill & Co., S. P.,  
 Penn. Mutual Bldg.  
 (Iron; Metallic; Mineral;  
 Oxide) .....A  
 Wilbur Co., Job, E. Tioga &  
 Carbon (Dry) .....A  
 Wocker & Son, H. M., 1218  
 W. College Av. (Black;  
 Carriage; Floor; House;  
 Marine; Mixing; Shellac)  
 .....C  
 Woodhouse, S. F., Trinity  
 & Franklin Fkd. (House;  
 Roofing) .....D  
 Varnall, H. E. & G. D., 1026  
 Race .....D  
**PA.—Pittsburg**  
 Davis Lead Co., Park Bldg.  
 .....A  
 Iron City Oil & Varnish Co.,  
 Inwood & Frankstown Av.  
 .....B  
 Lawrence & Co., M. W.,  
 Water & Penn. Av. (Coat-  
 ing; Preserving for Iron;  
 Steel; Graphite; Roofing)  
 .....A  
 McClintock & Irvine Co.,

# PAINTS (Con.)

Neville & P. E. R. (Coat-  
 ing; Preserving for Iron;  
 Steel; Rust Proof) .....B  
 Pittsburg Iron Paint Co.  
 (Iron) .....B  
 Pittsburg Paint Supply Co.,  
 713 Liberty av. ....B  
 Specialty Paint Co., 3d  
 Natl. Bank Bldg. ....D  
 Suydam Co., M. B., 61st &  
 Butler (Acid Proof; As-  
 phalt; Fire Resisting;  
 Coating; Preserving for  
 Iron; Steel; Graphite; In-  
 sulating; Iron Oxide;  
 Machy.; Roofing; Rust  
 Proof; Smoke Stack; Trol-  
 ley Pole; Waterproof) ...B  
 U. S. Graphite Co.  
 (Graphite) .....C  
**PA.—Pulaski**  
 Reno Bros. (Mineral) ....C  
**PA.—Reading**  
 Reading Paint Mills (Car;  
 Bridge; House; Roofing;  
 Rust Proof) .....AA  
 Ruth & Co., B. F., 216 S.  
 8th .....AA  
 Wilhelm Co., A., 217 Pop-  
 ular (Cold Water; Graph-  
 ite; Iron Oxide; Roofing)  
 .....A  
**PA.—Sharpsburg**  
 Bender & Alldred .....B  
**PA.—Williamsport**  
 National Paint Wks. (Iron;  
 Bridge; Graphite; Machy.;  
 Metallic; Mineral; Oxide;  
 Paste; Railroad; Ready  
 Mixed; Roofing; Rust  
 Proof) .....B  
 U. S. Paint Co. (Asphalt;  
 Asphaltum; Bridge; Car;  
 Dipping; Dry; Family;  
 Floor; Graphite; House;  
 Iron; Iron Casting; Mach-  
 etallic; Mineral; Oxide;  
 Priming; Ready Mixed;  
 Roofing; Zinc) .....F  
**R. I.—Providence**  
 Johnson, Oliver & Co., 3  
 Exch. ....AA  
 U. S. Gutta Percha Paint  
 Co., 34 Matthewson (Wa-  
 terproof; Ready Mixed) .A  
**TENN.—Chattanooga**  
 Chattanooga Paint Co.  
 (Coating; Preserving for  
 Iron; Steel; Metallic  
 Roofing) .....D  
**TENN.—Memphis**  
 Bartholomew Roofing Co.,  
 412 2d .....C  
 Memphis Dry Color Co. ....D  
 True Tagg Paint Co., 457  
 Shelby .....B  
**TEXAS—Houston**  
 Bute, James .....A  
 Randolph & Sons, N. ....C  
**UTAH—Ogden**  
 Ogden Paint, Oil & Glass Co.  
 .....D  
**VT.—Bellows Falls**  
 Caseln Co. of America (Cold  
 Water; Dry) .....A  
**VT.—Bennington**  
 Adams & Co., Enos .....D  
 Godfrey, S. L. ....C  
 Lyons & Bros., S. C. ....C  
**VT.—Saxtons River**  
 Edson Starks & Co. (Cold  
 Water) .....C  
**VA.—Lynchburg**  
 Natl. Paint & Manganese  
 Co. ....D  
**VA.—Richmond**  
 Armitage Mfg. Co., 3200  
 Williamsburgh Av. ....B  
 Worthington Co., 1424 E.  
 Main .....B  
**W. VA.—Huntington**  
 Parsons Southern Agency  
 Co. (Rubber) .....D  
**W. VA.—Wheeling**  
 Wilson & Sons, W. A. ....B  
**WIS.—Milwaukee**  
 Carbolineum Wood Preserv-  
 ing Co., 128 Reed .....D  
 O'Neil Oil & Paint Co. ....B  
 Patton Paint Co., 213 Lake  
 .....A

**PAINTS (Con.)**  
 Ricketson Mineral Paint  
 Wks., 111 Mason.....D

## PALETTES

**New York City**  
 Friedrichs, E. H., 140  
 Sullivan (Artists).....A  
 Reilly Bros., (Artists)....D  
**Pa.—Harrisburg**  
 Hickok Mfg. Co., W. O.  
 (Lettering) .....AA

## PALLETS

**IOWA—Keokuk**  
 Scott Mfg. Co (Brick)....D  
**MICH.—Saginaw**  
 Merahon & Co., W. B.  
 (Wood; Brick) .....A  
**OHIO—Cleveland**  
 Avery Stamping Co. (Brick)  
 B  
**National Box Co. (Brick)...**B  
**OHIO—New London**  
 Arnold-Creager Co. (Brick)  
 B  
**OHIO—Niles**  
 Ohio Galvanizing & Mfg. Co.  
 (Steel; Brick) .....B  
 Sheet Metal Mfg. Co.  
 (Steel) .....C

## PALMS

**CONN.—Torrington**  
 Union Hardware Co.  
 (Sailors) .....AA  
**N. Y.—Brooklyn**  
 Smith & Sons, James, 40  
 Franklin Av. (Sailors)..D  
**New York City**  
 Russell, & Erwin Mfg. Co.  
 (Sailors) .....AAAA  
 Tiebout, W. & J. 118 Cham-  
 bers (Sailors) .....B

## PANCREATIN

**MICH.—Detroit**  
 Parke, Davis & Co....AAAA  
**New York City**  
 Fairchild Bros & Foster  
 (Inc.) .....AA  
 McKesson & Robbins.AAAA  
**PA.—Philadelphia**  
 Pennsylvania Chemical W'ks  
 AAA

## PANELS

See also Woodwork; Carriage

**CONN.—New Haven**  
 Dann Bros. & Co. (Car-  
 riage) .....B  
**ILL.—Chicago**  
 Decorators Supply Co.....B  
**KY.—Covington**  
 Ohio Scroll & Lumber Co.  
 (Carriage) .....B  
**MAINE—Foxcroft**  
 Ranger & Ayers Mfg. Co.  
 (Veneer; Carriage; Sleigh)  
 D  
**MAINE—Newport**  
 Cooper Bros. (Carriage)...E  
**MASS.—Worcester**  
 Phenix Plate Co. (Photo-  
 graph) .....C  
**MICH.—Grand Rapids**  
 Grand Rapids Veneer Wks.  
 (Veneer; Carriage) ...AA  
**N. Y.—Binghamton**  
 Roberson & Son, A.....AA  
**New York City**  
 Frost Veneer Seating Co. 208  
 Canal (Veneer) .....X  
 Sjöberg & Co., J. P. (Car).D  
**OHIO—Portsmouth**  
 Portsmouth Veneer & Panel  
 Co .....B  
**PA.—Philadelphia**  
 Brill Co., J. G. (Car).AAAA  
**WIS.—Algoma**  
 Almabee Veneer & Seating  
 Co. (Veneer) .....A

## PANS

See also Tinware; Enamel-  
 led Iron Ware; Holloware

**CAL.—San Francisco**

**PANS (Con.)**  
 Hendy Machine Wks., Josh.  
 88 Tremont (Amalgamat-  
 ing) .....AA  
**Krogh Mfg. Co., 9 Stevenson**  
 (Amalgamating) .....C  
**Marshuts & Lantrell, Main**  
 & Howard (Amalgamat-  
 ing) .....A  
**Howard (Amalgamating)**A  
**Risdon Iron & Locomotive**  
 Wks., Stewart & Folsom  
 (Vacuum) .....AAAA  
**Union Iron Wks., 222 Mar-**  
 ket (Amalgamating; Cyan-  
 ide, &c) .....AAAA  
**COLO.—Denver**  
 Mine & Smelter Supply Co.  
 (Amalgamating; Cyanide,  
 &c.) .....AAA  
**CONN.—Meriden**  
 Manning, Bowman & Co.  
 (Baking; Bread; Sauce;  
 Copper) .....AA  
**CONN.—New Britain**  
 New Britain Machine Co.  
 (Chips) .....A  
**CONN.—New Haven**  
 Seamless Rubber Co. (Bed)  
 AA  
**DEL.—Marshallton**  
 Marshallton Iron & Steel Co.  
 (Baking; Dripping; Roast-  
 ing) .....B  
**DEL.—Wilmington**  
 Pusey & Jones Co. (Vacuum)  
 AAA  
**GA.—Savannah**  
 Kehoe & Sons, Wm. (Va-  
 cuum; Sugar) .....A  
 Rourke & Sons., Jno. (Va-  
 cuum) .....A  
**ILL.—Batavia**  
 Sperry & Co., D. K. (Va-  
 cuum) .....B  
**ILL.—Chicago**  
 Allis-Chalmers Co., Home  
 Ins. Bldg. (Amalgamat-  
 ing; Dry; Gravel; Grind-  
 ing; Vacuum; Combina-  
 tion; Gold; Ore).....AAAA  
**Amer. Foundry & Machy. Co.**  
 (Vacuum) .....AA  
 Goetz & Floding Mfg. Co.  
 (Brewers' Vacuum) ...A  
 Harris & Bro., Geo. P., 64  
 W. Lake (Vacuum).....B  
 Katzinger, Edw., 163 W.  
 Washn. (Baking) .....D  
 Laubenhelmer Co., Geo. H.  
 (Brewers' Vacuum) ...D  
 Lyons Metallic Mfg. Co., 18  
 So. Ann (Lathe).....F  
 Stier Mfg. Co., Herman  
 (Brewers' Vacuum) ....D  
 Trenkhorst, Frank (Brewers'  
 Vacuum) .....F  
 Wolf Co., Fred, 138 Rees  
 (Vacuum) .....AAA  
**ILL.—Galesburg**  
 Frost Mfg. Co. (Dry)....A  
**IND.—Anderson**  
 Anderson Foundry & Mach.  
 Wks. (Dry) .....B  
**IND.—Brazil**  
 Crawford & McCrimmon Co.  
 (Combination) .....A  
**IND.—Terre Haute**  
 Columbian Enameling &  
 Stamping Co. (Frying)  
 AAA  
**IOWA—Burlington**  
 Murray Iron Wks. Co. (Cool-  
 ing) .....A  
**IOWA—Des Moines**  
 Eagle Iron Wks. (Dry)...A  
**IOWA—Ottumwa**  
 Ottumwa Iron Wks. (Com-  
 bination) .....B  
**KANS.—Fort Scott**  
 Fort Scott Foundry & Mach.  
 Co. (Vacuum) .....A  
**LA.—New Orleans**  
 Hauptman & Loeb Co.  
 217 Gravier (Vacuum).AA  
 Murphy, Jno. H., 643 Maga-  
 zine (Vacuum) .....AA  
 Payne & Joubert, 423 Caron-  
 delet (Vacuum) .....A  
**MASS.—Andover**  
 Tyer Rubber Co. (Bed)...AA  
**MASS.—Boston**  
 Badger & Sons Co., E. B.,  
 6 Pitts (Vacuum).....B

**PANS (Con.)**  
 Burton Electric Smelting Co., 183 Summer (Amalgamating) .....AAA  
 Strater & Sons, Herman (Sauce; Copper) .....A  
**MASS, Cambridge**  
 Dover Stamping & Mfg. Co. (Refrigerator) .....C  
**MICH.—Detroit**  
 Colton, Arthur, 184 Brush (Revolving Sugar Coating) .....C  
**MICH.—Fenton**  
 Case Mfg. Co. (Dust)....H  
**MICH.—Grand Rapids**  
 Grand Rapids Brass Co. (Umbrella) .....A  
**MICH.—Manistee**  
 Manistee Iron Wks. Co. (Vacuum) .....C  
**MO.—St. Louis**  
 Firnholtz Brick Machy. Co., Boyle & Old Manchester Aves. (Dry) .....D  
 Nevins Mfg. Co. (Dust)..F  
 St. Louis Stamping Co. (Baking; Corncake; Cracker; Deep Dish; Dust; Egg Fry; Fry; Milk; Muffin; Pudding; Sauce; Stew; Stove; Tart; Gold Mining) .....AAAA  
**N. J.—Burlington**  
 Stewart & Peterson Co. (Sauce; Stew) .....A  
**N. J.—Camden**  
 Bingham & Co. (Drip)...X  
**N. J.—Elizabeth**  
 Beerbower & Co., L. B. (Bed; Douche) .....X  
**N. J.—Jersey City**  
 Flynn, W. S., 74 Hudson (Vacuum) .....C  
**N. Y.—Albany**  
 Townsend Furnace & Mach. Shop Co. (Evaporating)B  
**N. Y.—Bath**  
 Richardson Mfg. Co. (Dust) E  
**N. Y.—Brooklyn**  
 Burkhead, Thomas, 494 Flushing Av. (Vacuum).C  
 Gold-Burkum Co., 53 Bartlett (Bed) .....E  
 Guild & Harrison, ft. of So. 10th (Vacuum) .....B  
 New York Stamping Co. (Fry; Omelet; Chafing Dish) .....A  
 Pioneer Iron Wks. William cor. King (Vacuum)...A  
 Sweeney Mfg. Co., W. H. (Crumb; Dust) .....A  
**N. Y.—Buffalo**  
 Aldrich Mfg. Co. (Stew; Copper) .....A  
 Dopp Co., H. W., 522 Elliott (Vacuum) .....D  
 Shepard & Co., Sidney (Bread; Corncake; Dust; Fry; Dripping; Muffin; Refrigerator; Roasting; Baking; Miners' Gold) .....AAAA  
 Squier Mfg. Co., G. L. (Vacuum) .....AAA  
**N. Y.—Manlius**  
 Cheney & Son, S. (Gem)...A  
**N. Y.—Newburg**  
 Coldwell-Wilcox Co. (Vacuum) .....B  
**New York City**  
 Bartlett, Hayward & Co., 100 Bway. (Vacuum)..B  
 Central Stamping Co. (Hat Rack; Self Roasting).AA  
 Chatillon & Sons, John, 85 Cliff (Candy) .....A  
 Cordley & Hayes (Milk; Fibre; Refrigerator)...A  
 Cornell Co., J. B. & J. M., 26th & 11th Av. (Chemical; Vacuum) .....AA  
 Crandall & Godley Co. (Candy) .....AA  
 Deeley & Co., Robert, 541 W. 32d (Vacuum; Salt) AA  
 Goodyear Rubber Co. (Bed) AAAA  
 Goodyear's India Rubber

**PANS (Con.)**  
 Glove Mfg. Co. (Bed) AAAA  
 Gould-Mersereau Co. (Umbrella) .....B  
 Hodgman Rubber Co. (Bed) AA  
 Judd & Co., H. L. (Umbrella) .....AA  
 Koven & Bro., L. O., 50 Cliff (Dry) .....A  
 Krajewski-Pesant Co. (Vacuum) .....AA  
 Lalance & Grosjean Mfg. Co. (Baking; Bread; Cake; Corn Cake; Crumb; Dish; Dust; Egg Fry; Fry; Lady Finger; Muffin; Patty; Pudding; Sauce; Stew; Fortilla; Gold Mining; Bidet Bath) .....AAAA  
 Mattson Rubber Co. (Bed).B  
 Meinecke & Co., 50 Park Pl. (Bed) .....O  
 Russell & Erwin Mfg. Co. (Gem) .....AAAA  
 Stoutenborough, X, (Cracker; Egg Fry, Hat Rack; Lady Finger; Self Roasting; Stove; Fortilla, Wire, Iron) .....D  
 Turl's Sons, John, 534 W. 28th (Vacuum) .....D  
 Wheeler Condenser & Engineering Co., 120 Liberty (Vacuum; Multiple Effects) .....A  
**N. Y.—Troy**  
 Troy Stamping Wks. (Baking; Bread; Cake; Corn Cake, Deep Dish; Dust; Milk; Muffin; Patty; Pudding) .....AAAA  
**OHIO—Akron**  
 Akron Mfg. Co. (Drip)...D  
 Goodrich Co., B. F. (Bed) AAAA  
 Taplin, Rice & Co. (Clay; Drying; also Wet)....B  
 Webster Camp & Lane Mach. Co. (Clay Drying).AAAA  
**OHIO—Buoyrus**  
 Am. Clay Working Machine Co. (Clay Drying).AAAA  
**OHIO—Canton**  
 Bohnot Co. (Dry).....A  
**OHIO—Cincinnati**  
 Blymyer Iron Wks. Co. (Salt; Vacuum) .....B  
 Day & Co., J. H., (Steam Revolving) .....A  
 Van Range Co., John (Sauce; Copper) .....A  
**OHIO—Cleveland**  
 Avery Stamping Co. (Sheet Steel; Shop; Conveyor; Fry) .....B  
 Bronson-Walton Co. (Bread; Dripping; Roasting; Baking) .....B  
 Cleveland Wire Spring Co. (Annealing Steel, Drying; Medicine; Shop) .....A  
 Dyer & Co., E. H., New England Bldg. (Vacuum) AAA  
 Globe Machine & Stamping Co. (Shop) .....O  
 Kilby Mfg. Co. (Copper; Bronze; Cast Iron; Vacuum) .....X  
**OHIO—Columbus**  
 Kilbourne & Jacobs Mfg. Co. (Steel, Shop, Seamless Steel; Boxes; Troughs) AAAA  
**OHIO—Cuyahoga Falls**  
 Turner, Vaughn & Taylor Co. (Dry; Grinding; Annealing; Lead; Clay Mixing; Ore; Fry).....B  
**OHIO—Dayton**  
 Raymond Co., C. W. (Dry) A  
**OHIO—Delphos**  
 Delphos Can Co. (Dust)..B  
**OHIO—Ravenna**  
 Williams, A. O. (Gem)...A  
**OHIO—Salem**  
 Clark Co., W. J. (Steel Shop; Conveyor; Steel Furnace; Funnels; Draining; Endless Trough Conveyor; Seamless Steel Boxes;

**PANS (Con.)**

Troughs; Charging; Drying; Medicine).....A  
**OHIO**—Stevensville  
 Means Foundry & Machine Co. (Dry).....C  
**OHIO**—Wellsville  
 Stevenson Co. (Dry; Dry Grinding).....B  
**OHIO**—Youngstown  
 Pollock Co., Wm. B. (Charging; Drying) ..AA  
**OHIO**—Zanesville  
 Griffith & Wedge Co. (Amalgamating).....B  
**PA.**—Allegheny  
 Carlson's Sons, Thos. (Ore; Milling; Clay; Emery Grinding; Grinding)....A  
**PA.**—Allentown  
 Allentown Foundry & Machine Co. (Vacuum)....A  
**PA.**—Clearfield  
 Clearfield Mach. Shops (Ltd) (Dry; also Wet; Grinding).....X  
**PA.**—Hazleton  
 Koenig, M. F. (Baking)....X  
**PA.**—Lancaster  
 Martin Brick Mach. Mfg. Co., Henry (Dry).....B  
**PA.**—Philadelphia  
 Borton & Tierney Co., Steph. Girard Bldg. (Grinding; Mgrs, Agts.).....D  
 Hibbs, E. A. (Est. of) 213 Quarry (Drip; Gravel)....B  
 Morris, Henry G., Phila. Bourse (Vacuum).....B  
 Morris, P. Hollingsworth, 1501 So. Front (Vac'm).....C  
 North Bros. Mfg. Co. (Cake) AA  
 Oat & Sons, Jos. 232 Quarry (Vacuum).....A  
 Paxson Co., J. W., 1021 N. Del. Av. (Dry Grind)....AA  
 Pfeiffer & Son, Jno. Ltd. (Sheet Iron).....A  
 Wood & Co., R. D., 400 Chestnut (Vacuum).....AAAA  
 Whitall, Tatum & Co., Barclay.....AAAA  
**PA.**—Pittsburg  
 Budke Mfg. Co. (Bread; Dripping; Roasting)....B  
 Lewis Foundry & Mach. Co., 1001 Bingham (Grinding) A  
 Phillips & McLaren, 24th & Smallman (Dry; also Wet; Grinding; Clay).....B  
 Riter-Conly Co. (Galvanizing).....AAA  
 Scaife & Sons Co., Wm. B. (Charging; Clay Mixing; Ore; Cook! Hot Air)....AAA  
 United Engineering & Foundry Co., 54th & A. V. E. R. (Grinding).....AAAA  
**PA.**—So. Bethlehem  
 Bethlehem Foundry & Mach. Co. (Dry; Acid).....C  
**R. I.**—Providence  
 Davol Rubber Co. (Bed)....AA  
 Hill Mfg. Co., Jas. (Refrigerator).....B  
**TENN.**—Chattanooga  
 Chattanooga Roofing & Foundry Co. (Drip)....A  
**WIS.**—Cudahy  
 Power & Mining Machy. Co. (Amalgamating; Chemical; Dry Evaporating; Gravel; Grinding).....AAAA  
**WIS.**—Milwaukee  
 Allis-Chalmers Co. (Amalgamating).....AAAA

**PANTOGRAPHS**

**ILL.**—Rockford  
 Air Brush Mfg. Co.....X  
**MASS.**—Boston  
 Amer. Steam Guage & Valve Mfg. Co. ....A  
 New York City  
 Kenffel & Esser Co.....AA  
**N. Y.**—Seneca Falls  
 Westcott-Jewell Co.....D

**PANTS**

See Clothing: Men's

**PAPER**

For Wall Paper & Carbon Paper, see following Headings

**CAL.**—Antioch  
 Cal. Paper & Board Mills (Straw; Boards; Roofing Felt; Sheathing).....A  
**CAL.**—Floriston  
 Floriston Pulp & Paper Co. (Book; Manila; Tissue).....AA  
**CAL.**—Los Angeles  
 Los Angeles Paper Mfg. Co. (Building; Roofing; Straw; Wrapping; Straw Boards).....D  
**CAL.**—Sequel  
 O'Neill Bros. & Callaghan (Manilla; Rag Wrapping) A  
**COLO.**—Denver  
 Rocky Mountain Paper Co. (Super; News; Manila; Wrapping).....M  
**CONN.**—Andover  
 Case Paper Co., The F. L. (Super; Album; Binders; Jacquard; Leather Board) B  
**CONN.**—Beverly  
 Bingham & Co., W. A. (Tissue; Toilet).....D  
**CONN.**—Bridgport  
 Tait & Sons Paper Co. (Box Boards).....B  
**CONN.**—Burnside  
 Case & Marshall (Boards; Rope Manila).....C  
 East Hartford Mfg. Co. (Bond; Linen; Super)....C  
 Taylor-Atkins Paper Co. (Bonds; Linen; Velum; Tablet).....C  
 Walker, J. H. (Book; Envelope; Linen; Writing)....A  
**CONN.**—Chaplin  
 Wright, Case, Wright Paper Co. (Leather Board)....D  
**CONN.**—Comstock Bridge  
 Brown Bros. (Card; Middles; Coating).....A  
**CONN.**—Danbury  
 McArthur Bros. (Hardware; Manila; Wrapping)....M  
**CONN.**—Glastonbury  
 Nahbuc Paper Co. (Heavy; Wrapping; Album; Button; Binders; Millboards) D  
 Riverside Paper Co. (Binders; Trunk Boards)....E  
**CONN.**—Hartford  
 Hartford Board Co. (Trunk; Album; Air Dried Straw Board).....D  
 Hartford Paper Co. (Book; Chromo; Colored; Newspaper).....A  
**CONN.**—Hop River  
 International Hidelite Co. (Leather Board).....F  
**CONN.**—Manchester  
 Case, Co., A. Willard (Imitation Press Boards; Decorated; Mat Boards; Cover Papers).....B  
 Foulds Co., The Wm. (Button; Straw; Binders; Leather Board).....D  
 Lydall & Foulds Paper Co. (Sheathing).....B  
 Oakland Paper Co. (Envelope; Duplex).....AAAA  
**CONN.**—Montville  
 Robertson Co., The C. M. Hanging Duplex; Anti-Rust).....A  
**CONN.**—New Haven  
 New Haven Pulp & Board Co. (Manilla Boards; Card Middles).....C  
 Parker & Son Co., Joseph (Blotting; Matrix)....AA  
**CONN.**—New London  
 Robertson, Est. of Jno. (Bogus; Manila; Bleached; Unbleached; Rope)....X  
**CONN.**—No. Westchester  
 Norton C. H. (Binders; Board).....F  
**CONN.**—Norwich

**PAPER (Con.)**

Hubbard Co., A. H. (Colored).....A  
 Uncas Paper Co. (Box Board; Card Middles)...B  
**CONN.—Oneco**  
 Case & Lincoln Paper Co. (Binders; Electric; Bobbin Head Boards).....X  
**CONN.—Poquonock**  
 Hartford Paper Co. (Book; French Folio).....A  
**CONN.—Rainbow**  
 Hartford Paper Co. (Blotting; Manilla; Newspaper; Poster; Colored; Wrapping; Anti-Rust).....A  
 Miller Paper Co., O. A. (Press; Jacquard Card; Electric; Shield; Slate; Fender Boards).....X  
 Vernon, Rich. R. (Tissue; Copy; H. R. R. Impression; Newspaper).....B  
**CONN.—Seymour**  
 Beach Paper Co. S. Y. (Colored; Seidlitz).....C  
**CONN.—Shelton**  
 United Box Board & Paper Co. (Manilla Boards) AAAAA  
**CONN.—So. Glastonbury**  
 Wausac Mills Co. (Album; Binders; Straw Board).C  
**CONN.—So. Manchester**  
 Brookside Paper Co. (Album; Binders; Straw Board).....E  
 Case Bros. (Press; Insulating Board; Jaquard Card) B  
 Rogers Paper Mfg. Co. (Press Insulating; Jacquard; Insulating Boards) C  
**CONN.—Talcottville**  
 Swett, B. K. (Leather; Binders; Board).....A  
**CONN.—Unionville**  
 Am. Writing Paper Co. (Coupon Bond; Blank Ledger) AAAAA  
 Case Mfg. Co. (Colored; Hardware; Manilla; Pattern; Rope).....B  
**CONN.—Versailles**  
 Eastern Straw Board Co. (Manilla Lined Folding Box Boards; Mill Wrappers)C  
**CONN.—Westport**  
 Westport Paper Co. (Binders; Leather; Trunk Board).....D  
**CONN.—Westville**  
 Parker & Son Co., Joseph (Blotting).....A  
**CONN.—Winsor Locks**  
 Am. Writing Paper Co. (Boards; Manillas).AAAA  
 Anchor Mills Paper Co. (White; Colored; Manilla Tissue; Toilet; Pattern; White Shoe; French Folio; Stereotype; Yellow; White; Manilla R. R. Copy).....A  
 Dexter & Sons, C. H. (Silver Tissue; Colored Tissue; Bristol; Covers Deckle Edge; Manifold; Type-writer).....A  
 Whittelsey Frank H. (White & Colored Tissue; Manifold; R. R. Copying; Stereotype; Oiled Board) B  
**DEL.—Newark**  
 Curtis & Bro. (Book Env.; Writing; Colored; Cover) A  
**DEL.—Wilmington**  
 Jessup & Moore Paper Co. (Book).....AAAA  
**DEL.—Wooddale**  
 Marshall & Mitchell (Manilla).....D  
**DEL.—Yorklyn**  
 Marshall Bros. (Manilla Wrapping; Roll; Filter; Flour Sack; Hanging; Newspaper).....A  
**D. C.—Washington**  
 Dist. of Columbia Paper Mfg. Co. (Blotting; Cover:

**PAPER (Con.)**

Matrix).....D  
**GA.—Atlanta**  
 Atlanta Paper Co. (Wrapping).....A  
**GA.—Marietta**  
 Marietta Paper Mills (Book; News; Manilla; Rag Wrapping).....A  
**ILL.—Carlyle**  
 Carlyle Paper Co. (Carpet Lining; Straw Wrapping; Wool Felt Sheathing; Express; Straw Board)....D  
**ILL.—Centralia**  
 Centralia Pulp & Water Power Co. (News).....A  
**ILL.—Chicago**  
 Abbott & Co., A. H. (Oil; Sketching).....B  
 American Straw Board Co. (Straw Board).....AAAA  
 Armour Sand Paper Wks. (Sand).....AAAA  
 Chicago Coated Board Co. (Box; Jute; Pulp Boards) AA  
 Dietzgen Co., Eugene (Oil; Sketching).....A  
 Hopkins, H. H. (Building Roofing).....B  
 Krembs & Co. (Fly).....C  
 Peele, C. D. M. (Lace; Shelf).....H  
 Smith & Co., Bradner (Inc.) (Manilla; Wrapping) AA  
 Union Sand Paper & Factory (Sand).....AAAA  
 Utility Mfg. Co. (Fly)....E  
 Wood & Co., Chas. H. (Carbon; Transerotype)....F  
**ILL.—Lockport**  
 Am. Straw Board Co. (Straw; Plain; Mill Lined Board).....AAAA  
**ILL.—Marseilles**  
 Boyce, W. D. (News).....A  
 Crescent Paper Co. (Plain; Manilla Lined Straw; Chip Board).....C  
 Marseilles Wrapping Paper Co. (Rag Wrapping; Glazed; Rope Express).....B  
**ILL.—Morris**  
 Morris Paper Co. (Straw; Wood Pulp; Jute Fibre Boards).....C  
**ILL.—Mt. Carmel**  
 United Box Board & Paper Co. (Straw Board).AAAA  
**ILL.—Peoria**  
 United Box Board & Paper Co. (Straw Board).AAAA  
**ILL.—Quincy**  
 American Straw Board Co. (Straw; Egg Case; Building Board).....AAAA  
**ILL.—Rockford**  
 Ills. Straw Products Co. (Straw; Rags Wrapping) X  
 Rockford Paper Mills (Straw Board; Wrapping).....C  
**ILL.—Rock Island**  
 Lewis Roofing Co. (Building; Roofing; Red Rosin Sized Sheathing).....C  
**ILL.—Rockton**  
 Smith & Co., Bradner Building (Carpet Lining; Wrapping; Straw Board) AA  
 Coons, Fred M. (Carpet; Lining; Deadening Felt).C  
**ILL.—St. Elmo**  
 St. Elmo Paper Co. (Butcher's Manilla; Carpet Lining Rag Wrapping; Roofing).....C  
**ILL.—Taylorville**  
 Prairie State Paper Co. (Bag; Express; Manilla Wrapping).....C  
**ILL.—Wilmington**  
 Am. Straw Board Co. (Straw Board).....AAAA  
**ILL.—Vandalia**  
 Ford Mfg. Co. (Roofing; Deadening Felt; Carpet Linings).....B  
**ILL.—Waldron**  
 United Box Board & Paper Co. (Straw & Chip Boards) AAAAA

**PAPER (Con.)**

**IND.—Albany**  
Albany Paper Co. (Plain; Lined Straw Board)....B

**IND.—Alexandria**  
Alexandria Paper Co. (M. F. Book; Manila News; Express; Wrapping) ..B

**IND.—Anderson**  
Am. Straw Board Co. (Mill; Sheet Lined Straw Board) ..AAAA

**IND.—Brookville**  
Thompson & Norris Co. of Ind. (Straw; Fibre for Corrugating) .....AA

**IND.—Brownstown**  
Brownstown Straw Board & Paper Co. (Straw Wrapping) .....X

**IND.—Carthage**  
U. S. Board & Paper Co. (Straw; Cloth; Binders' Board) .....A

**IND.—Delphi**  
Dodge, Levi (Straw Board) ..A

**IND.—Eaton**  
United Box Board & Paper Co. (Straw Board).AAAA

**IND.—Elkhart**  
Elkhart Paper Co. (Book) ..A

Union Waxed & Parchment Paper Co. (Plain & Waxed Tissue) .....AA

**IND.—Evansville**  
Funke's Sons, Ferd. (Absorbent Ham Paper Wrapping & Cloth).....D

**IND.—Gas City**  
Western Straw Board Co. (Jute; Manila Lined Straw Board) .....C

**IND.—Hartford City**  
Hartford City Paper Co. (Butchers' Fibre; Manila) ..A

Wayne Paper Mills (Rope Manila) .....B

**IND.—Indianapolis**  
Beveridge Paper Co. (White; Colored Box Boards; Brackets; Mill Blanks).....C

**IND.—Knightstown**  
Knightstown Paper Co. (Straw; Rag Wrapping).X

**IND.—Kokomo**  
Am. Straw Board Co. (Straw Board) ....AAAA

Kokomo Paper Co. (Pulp Folding Box; Manila Lined Boards; Bond Paper).C

Kneer Paper Co. L. (Binders; Trunk and Backing Board) .....A

**IND.—Lafayette**  
Lafayette Box Board Co. (Straw Board) .....A

**IND.—Madison**  
Madison Board & Paper Mfg. Co. (Rag Wrapping; Building; Light Board)..C

**IND.—Marion**  
Marion Paper Co. (Folding Box Boards) .....C

United Box Board & Paper Co. (Wood Pulp & Combination Board)....AAAA

Viet's Paper Mills (Box Boards) .....C

**IND.—Mishawaka**  
Mishawaka Paper & Pulp Co. (Manilla & Butchers' Fibre) .....X

**IND.—Muncie**  
La Salle Paper Co (Wrapping & Express).....F

United Box Board & Paper Co. (Straw Board).AAAA

**IND.—Nashville**  
Am. Straw Board Co. (Plain; Mill; Sheet Lined Straw Board) .....AAAA

**IND.—Richmond**  
Richmond Paper Mill (Manilla; Wrapping) .....X

**IND.—Rockport**  
United Box Board & Paper Co. (Straw Board)..AAAA

**IND.—South Bend**  
Havercamp-Whitney Paper Co. (M. F. Book; News; Manila; Paper; Bag)....X

**PAPER (Con.)**

**IND.—Terre Haute**  
Am. Straw Board Co. (Straw Board) ....AAAA

**IND.—Vincennes**  
Empire Paper Co. (Straw Board) .....X

Vincennes Paper Co. (Plain; Mill Lined Straw; Chip Boards) .....A

**IND.—Wabash**  
United Box Board & Paper Co. (Straw Board).AAAA

**IOWA—Clinton**  
Clinton Paper Co. (Straw; Rag Wrapping; Express) ..B

Iowa Paper Mills Co. (Roofing; Felt; Gray Wrapping) .....X

**IOWA—Ft. Madison**  
Brown Paper Co (Straw; Rag Wrapping Building Board) .....C

**IOWA—Tama**  
Tama Paper Mills & Filler Co. (Straw Board).....A

**IOWA—Waterloo**  
Nat. Fibre Co. (Wrapping; Straw Boards).....A

**KANS.—Coffeyville**  
No. Star Mfg. Co. (Straw Board) .....D

**KANS.—Lawrence**  
Lawrence Paper Mfg. Co. (Straw; Rag Wrapping; Express; Bag; Hammond Candy) .....A

**LA.—Baton Rouge**  
Baton Rouge Sugar Co. (Bagasse Wrapping)....X

**LA.—Orange Grove**  
United Railway & Trading Co. (Wrapping) ....AAAA

**MAINE—Auburn**  
Auburn Leather Board Sup. Co. (Leather Board)....X

**MAINE—Augusta**  
Cushnoc Paper Co. (Envelope; Bag; Sack; White Sulphite Manila Wrapping; Yellow Writing)....A

**MAINE—Bangor**  
Eastern Mfg. Co. (Wrapping) .....AA

Orono Pulp & Paper Co. (Manilla) .....AA

**MAINE—Belfast**  
Sherman & Co. (Leather Board) .....D

**MAINE—Benton Falls**  
United Box Board & Paper Co. (Wood Pulp Board) ..AAAA

**MAINE—Brunswick**  
Androscooggin Pulp Co. (Pulp Board) .....AA

Bowdoin Paper Mfg. Co. (News) .....B

**MAINE—Chisholm**  
International Paper Co. (News) .....AAAA

**MAINE—Cumberland Mills**  
Warren & Co., S. D. (Book; Coated) .....AAAA

**MAINE—East Poland**  
Nat. Fibre Board Co. (Fibre Board) .....AAAA

**MAINE—Gardiner**  
Hollingsworth & Whitney Co. (E. R. Writing; Manila; Parchment).AAAA

Warren & Co., S. D. (book) .....AAAA

**MAINE—Kennebunk**  
Nat. Fibre Board Co. (Fibre Board) .....AAAA

**MAINE—Lisbon Falls**  
Lisbon Falls Fibre Co. (News) .....A

**MAINE—Livermore Falls**  
International Paper Co. (Pulp Boards; Mill Wrappers) .....AAAA

**MAINE—Madison**  
Great Northern Paper Co. (News) .....AAAA

**MAINE—Mechanics Falls**  
Poland Paper Co. (Book; Writing; Newspaper; Lithograph) .....AA

**MAINE—Millinockett**  
Great Northern Paper Co. (News) .....AAAA



**PAPER (Con.)**  
**MAINE—Orono**  
 International Paper Co.  
 (News) .....AAAA  
 Orono Pulp & Paper Co.  
 (Bag; Sack; Manilla).AA  
**MAINE—Portland**  
 Berlin Mills Co. (News-  
 paper) .....AAAA  
**MAINE—Rumford Falls**  
 International Paper Co.  
 (News Manilla; Bag) .....AAAA  
 Oxford Paper Co. (M. F.  
 Super; Book; Envelope;  
 Tablet) .....AAAA  
**MAINE—South Brewer**  
 Eastern Mfg. Co. (Bond;  
 Linen; Envelope; R. R.  
 Writing; Manilla; Wrap-  
 ping) .....A  
**MAINE—South Windham**  
 Androscoggin Pulp Co.  
 (Wood Pulp Board)...AA  
**MAINE—Winslow**  
 Hollingsworth & Whitney  
 Co. (Manilla Fibre & Wax-  
 ed) .....AAAA  
**MD.—Bentley Spgs.**  
 Young, Sam'l & James R.  
 (Bag; Manilla Wrapping) D  
**MD.—Chesterfield**  
 Am. Straw Board Co.  
 (Straw Board) .....AAAA  
**MD.—Childs**  
 Garrett & Son, C. S.  
 (Hanging) .....AAA  
**MD.—Cumberland**  
 Southern Paper Co. (Manil-  
 la; R. R.; Writing; Ex-  
 press; Water Finish;  
 Fibre) .....X  
**MD.—Hagerstown**  
 Antietam Paper Co. (M. F.;  
 Super) .....A  
**MD.—Hoffmanville**  
 Rockdale Powder Co.  
 (Manilla) .....B  
**MD.—Lake**  
 W. Va. Pulp & Paper Co  
 (Super; M. F. Book; En-  
 velope; Writing; Litho-  
 graph; Varnish Label) .....AAAA  
**MD.—Providence**  
 Kenmore Pulp & Paper Co.  
 (Book; Writing; Deckle  
 Edge) .....X  
**MD.—Rowlandsville**  
 West & Co., W. T. (Roof-  
 ing; Deadening Felt;  
 Sheathing) .....E  
**MASS.—Adams**  
 Brown Paper Co., L. L.  
 (Hand Made Linen Led-  
 ger; Record; Drawing;  
 Parchment) .....AA  
**MASS.—Baldwinsville**  
 Carey Mfg. Co., Phillip  
 (Asbestos) .....AAA  
**MASS.—Bancroft**  
 Bulkley, Dunton & Co.  
 (Card Middles; Book)AAA  
**MASS.—Boston**  
 Dennison Mfg. Co. ....AAAA  
 Ditson Co., Oliver (Music) AA  
 Hollingsworth & Whitney  
 Co. (Manilla; Newspaper) .....AAAA  
 Hollingsworth & Vose Co.  
 (Flour Sack; Manilla;  
 Sand) .....AA  
 Jones & Co., Melville D.  
 (Fly) .....A  
 Tileston & Hollingsworth Co.  
 (Card; Book; Plate).AAA  
 Train-Smith Co. (Manilla).B  
 Valley Paper Co. (Bond;  
 Linen; Ledger; Photo-  
 graphic) .....A  
 Warren & Co., S. D. (Glaz-  
 ed; Coated; Book).AAAA  
 Webster Co., F. S.  
 (Carbon) .....AA  
 Wheelwright Paper Co., Geo.  
 W. (Card; Manilla; Book;  
 Music) .....AA  
 Whiting Paper Co. (Writ-  
 ing) .....AAAA  
 Whitmore Mfg. Co (Coated) B

**PAPER (Con.)**  
 Wilder & Co. (Newspaper) AA  
**MASS.—Bridgewater**  
 Jenkins Bros. & Co. (Leath-  
 er Board; Herling) .....A  
**MASS.—Brightwood**  
 Holyoke Card & Paper Co.  
 (Coated) .....A  
**MASS.—Dalton**  
 Crane, Z. & W. M. (Extra  
 Fine Writing) .....AAAA  
 Crane & Co. (Bank Note;  
 Bond; Parchment).AAAA  
 Old Berkshire Mills Co.  
 (Writing; Bristol Board) A  
 Weston Co., Byron  
 (Linen Ledger; Record) AA  
**MASS.—East Pepperell** ...  
 Champion Card & Paper Co.  
 (Coated) .....AAA  
 Nashua River Paper Co.  
 (Book; Envelope; Writ-  
 ing) .....A  
 Parker & Co., H. A. (Bogus  
 Manilla; Rosin Sized  
 Sheathing) .....X  
**MASS.—East Walpole**  
 Bird & Son, F. W. (Hard-  
 ware; Building; Roofing) AAA  
 Hollings & Vose Co. (Rope  
 Manilla) .....AA  
**MASS.—Fairfield**  
 Woronoco Paper Co. (Bond;  
 Linen; Ledger; Writing;  
 Typewriter) .....A  
**MASS.—Farley**  
 Farley Paper Co. (Colored  
 Bristol; Card Middles).B  
**MASS.—Fitchburg**  
 Croker, Burbank & Co.  
 (Book; Blotting; Writing;  
 News; Manilla; Cards;  
 Bristol Board) .....AAAA  
 De Jonge & Co., Louis  
 (Coated) .....AAAA  
 Falulah Paper Co. (Coated) B  
 Fitchburg Paper Co. (Card;  
 Coating; Book; Hanging) AAA  
 Wheelright Paper Co.  
 (Coating) .....AA  
**MASS.—Croton Centre**  
 Tileston & Hollingsworth  
 Co. (Book) .....AAA  
**MASS.—Haverhill**  
 Haverhill Box Board Co.  
 Coated; Folding Box;  
 Bristol Boards) .....B  
**MASS.—Holyoke**  
 Amer. Writing Paper Co.  
 (Wedding Folios; Linen;  
 Ledger; Cover; Drawing;  
 Colored Writing; Bristol  
 Board; Papeterie) .AAAA  
 Chemical Paper Co. (Enve-  
 lope; Manilla) .....AA  
 Crocker-McElwain Co.  
 (Coated; Colored; Cover;  
 Embossed; Hardware; Ma-  
 trix; Ticket, Book)....AA  
 Excelsior Paper Co. (Book;  
 Card; Matrix) .....X  
 Franklin Paper Co. (Duplex  
 Envelope; Wrapping) ...A  
 Griffith, Axtell & Cady  
 (Fly; Embossed) .....D  
 Hampden Glazed Paper &  
 Card Co. (Blotting; Card;  
 Chromo; Coated; Glazed;  
 Lithograph; Pattern;  
 Plate; Silver) .....A  
 Newton Paper Co. (Build-  
 ing; Lining; Manilla;  
 Wrapping) .....A  
 Parsons Paper Co. (Bond;  
 Banknote; Colored; Enve-  
 lope; Parchment) .AAA  
 Valley Paper Co. (Bond;  
 Banknote; Typewriter) AA  
 Whiting Paper Co. (Bond;  
 Banknote; Parchment) .....AAAA  
 Whitmore Mfg. Co. (Blot-  
 ting; Card; Chromo; Coat-  
 ed; Cover; Glazed; Litho-  
 graph; Manilla; Plate)...A  
**MASS.—Housatonic**  
 Rising Paper Co., B. D.,

**PAPER (Con.)**  
 (Bond; Linen; Ledger;  
 Wedding Bristol) ....AA  
**MASS.—Huntington**  
 Am. Writing Paper Co.  
 (Papeterie) .....AAAA  
**MASS.—Lawrence**  
 Champlou-International Co.  
 (Roll for Coating, also  
 Coated Paper) .....AAA  
 Merrimac Paper Co. (Super;  
 M. F. Enamelled; Coated;  
 Litho.; Writing; Music)  
 AA  
 United Box Board & Paper  
 Co. (Box Board).....AAAA  
 Munroe Felt & Paper Co.  
 (Manilla; Hanging; Roof-  
 ing; Carpet Lining).....A  
 Nat. Fibre Board Co. (Leath-  
 er Board) .....A  
**MASS.—Lee**  
 Am. Writing Paper Co.  
 (Blotting; Card) ..AAAA  
 Benton Bros. (Writing;  
 Ledger) .....O  
 Eaton-Dikeman Co. (Blot-  
 ting; Cover; Plate).....A  
 Smith Paper Co. (Copying;  
 Silver; Book; Newspaper)  
 AA  
**MASS.—Leominster**  
 Leominster Handifold Toilet  
 Paper Co. ....B  
**MASS.—Loudville**  
 Loudville Paper Mill (Leath-  
 er; Binders' Board)....X  
**MASS.—Middlefield**  
 Bancroft Mill (Hanging;  
 Manilla; Book; News-  
 paper) .....D  
**MASS.—Middleton**  
 Middleton Paper Mills  
 (Hanging; Book Manilla)  
 A  
**MASS.—Millers Falls**  
 Millers Falls Paper Co.  
 Book; Cover; Folding;  
 Bristol) .....AA  
**MASS.—Milton**  
 Tilleston & Hollingsworth  
 Co. (Book; Litho; Card)  
 AAA  
**MASS.—Mittineague**  
 Am. Writing Paper Co.  
 (Ledger Bond, etc.; Type-  
 writer; Parchment).....AAAA  
 Mittineague Paper Co.  
 (Writing; Cover; Draw-  
 ing) .....AA  
 Southworth Co. (Bond; Lin-  
 en Ledger) .....A  
 Worthy Paper Co. (Bond;  
 Ledger; Linen) .....A  
**MASS.—Monroe Bridge**  
 Ramage Paper Co., Jas.  
 (Manilla; White; Colored  
 Bristol; Tag; Box Board;  
 Duplex Paper) .....X  
**MASS.—New Bedford**  
 Pairpoint Corporation  
 (Straw Board; Heavy  
 Baling; Case Lining)....A  
**MASS.—Newton Lower Falls**  
 Crehove & Son, Chas. F.  
 (Press Board) .....A  
**MASS.—Norfolk**  
 Norfolk Paper Co. (Sheath-  
 ing; Carpet Lining; Wrap-  
 ping; Box Board; Bristol)  
 X  
**MASS.—No. Amherst**  
 Cushman, A. R. (Leather;  
 Button; Straw Board)....D  
**MASS.—No. Dighton**  
 Lincoln & Co., L. (Manilla;  
 Sheathing; Pattern) ....C  
**MASS.—No. Grafton**  
 Washington Mills Emery  
 Mfg. Co. (Emery; Flint)B  
**MASS.—No. Leominster**  
 Nat. Fibre Board Co. (Leath-  
 er; Fibre Board; Tissue;  
 Book) .....A  
 Wheelwright Paper Co..  
 Geo. W. (Bristol Board;  
 White; Tinted Coating;  
 Book) .....AA  
**MASS.—No. Wilbraham**  
 Collins Mfg. Co. (Writing)  
 AA  
**MASS.—Russell**  
 Chapin & Gould Paper Co.  
 (Writing) .....A

**PAPER (Con.)**  
**MASS.—Somerville**  
 Middlesex Paper Co. (Box  
 Board; Sheathing; Wrap-  
 ping) .....O  
**MASS.—So. Hadley**  
 Japanese Tissue Mills  
 (Tissue) .....C  
 Stony Book Paper Co.  
 (Cimmeran Black Paper)  
 O  
**MASS.—So. Hadley Falls**  
 Carew Mfg. Co. (Ledger;  
 Bond; Linen; Typewriter)  
 AA  
 Hampshire Paper Co. (Bond;  
 Banknote; Typewriter;  
 Card) .....AA  
**MASS.—So. Lee**  
 Am. Writing Paper Co.  
 (Bond; Linen; Super;  
 Banknote) .....AAAA  
**MASS.—Springfield**  
 Am. Writing Paper Co.  
 (Writing) .....AAAA  
 Holyoke Card & Paper Co.  
 (Chromo; Coated; Glazed;  
 Plate; Parchment) ....A  
 Morgan Envelope Co.  
 (Toilet) .....AAAA  
 New England Card & Paper  
 Co. (Coated; Glazed)....A  
 Springfield Glazed Paper Co.  
 (Coated) .....B  
**MASS.—Townsend Harbor**  
 Spaulding Bros. Co. (Leather  
 Fibre Board) .....O  
**MASS.—Ware**  
 Ware Paper Co. (Book;  
 Manilla) .....O  
**MASS.—Westfield**  
 Columbian Photo Paper Co.  
 (Photo) .....A  
 Crane Bros. (Linen Ledger)  
 AAA  
**MASS.—West Groton**  
 Groton Leather Board Co.  
 (Leather Board) .....O  
 Hollingsworth & Vose Co.  
 (Rope Manilla) .....AA  
**MASS.—Wheelwright**  
 Wheelwright Paper Co.  
 (Book; Music) .....AA  
**MASS.—Woronoco**  
 Woronoco Paper Co. (Bond;  
 Banknote; Hanging; Type-  
 writer) .....AA  
**MICH.—Allegan**  
 Dayton Allegan Paper Co.  
 (Straw; Lining; Rag  
 Wrapping) .....X  
**MICH.—Alpena**  
 Fletcher Paper Co. (Water  
 Fibre) .....AA  
**MICH.—Cheboygan**  
 Cheboygan Paper Co.  
 (News; Fibre) .....AA  
**MICH.—Childsdales**  
 Childs, Horace H. (Straw  
 Boards) .....X  
**MICH.—Constantine**  
 Constantine Paper Mills (Ex-  
 press; Fibre; Rag Wrap-  
 ping) .....X  
**MICH.—Detroit**  
 Decoy Fly Paper Co. (Fly)  
 O  
 Detroit Sulphite Fibre Co.  
 (Sulphite Fibre Wrap-  
 ping) .....A  
 Ingram & Co., F. F. (Fly)  
 B  
**MICH.—Flint**  
 Lewis Mfg. Co. (Corrugated  
 Card Board for Cop Tubes)  
 X  
**MICH.—Grand Rapids**  
 Grand Rapids Sticky Fly  
 Paper Co. (Fly).....A  
 Thum Co., O. & W. (Fly)  
 AA  
**MICH.—Jackson**  
 Mich. Paper & Bag Co.  
 (Waxed; Oiled; Boards)  
 D  
**MICH.—Kalamazoo**  
 Bryant Paper Co. (Map;  
 Lith; Plate; Book; Blot-  
 ting; Writing) .....A  
 Gibson Paper Co. (M. F.;  
 Super Book; Litho; Card;  
 coating) .....B  
 Kalamazoo Paper Co. (Book-

**PAPER (Con.)**

Half-tone; Litho; Envelope, &c.).....AA  
**King Paper Co.** (Book; Folder; Litho; Map)....B  
**Superior Paper Co.** (Super; M. F. Book) .....B  
**MICH.—Menominee**  
 Marinette & Menominee Paper Co. (Manilla; News) .....AAAA  
**MICH.—Monroe**  
 River Raisin Paper Co. (Bag; Express; Fly; Wrapping) .....X  
**MICH.—Munising**  
 Munising Paper Co. (Fibre; Manilla) .....B  
**MICH.—Niles**  
 Mich. Wood Pulp Co. (Book; Litho.) .....X  
 Niles Board & Paper Co. (Straw; Bag Wrapping) X  
**MICH.—Otsego**  
 Bardeen Paper Co. (Book; Map; Lithographers; Bag; Fly; Felt; Ham; Wrapping; Blotting; Music) AA  
**MICH.—Palmyra**  
 Mitchell & Son (Bag Wrapping; Sheathing; Manilla) D  
**MICH.—Potoskey**  
 Potoskey Fibre Paper Co. (Fibre) .....A  
**MICH.—Plainwell**  
 Michigan Paper Co. (M. F. Book; White; Colored French Folio Catalogue; Drug Rolls) .....O  
**MICH.—St. Joseph**  
 Mullen Bros. Paper Co. (Building) .....O  
**MICH.—Tecomseh**  
 Smith, Henry (Est. of) (Straw Wrapping) ....X  
**MICH.—Watervliet**  
 Amer. Writing Paper Co. (Book; Envelope; Writing; Coated) .....AAAA  
**MICH.—Ypsilanti**  
 Peninsular Paper Co. (M. F. Book; Super; Colored; Lithograph) .....A  
 Ypsilanti Paper Co. (Colored Express; Book; Newspaper) .....B  
**MINN.—Brownsdale**  
 Bacon & Co., B. F. (Fly) D  
**MINN.—Cloquet**  
 Northwest Paper Co. (News; Manilla) .....AAA  
**MINN.—Grand Rapids**  
 Itasca Paper Co. (News) AA  
**MINN.—Little Falls**  
 Hennepin Paper Co. (News; Manilla) .....B  
**MINN.—Minneapolis**  
 Nelson Paper Co. (Building; Roofing; Wrapping) ..B  
**MINN.—St. Paul**  
 Selbert, H. E. (Fly)....O  
**MO.—Kansas City**  
 Kansas City Star Co. (News) .....B  
**MO.—St. Louis**  
 Amer. Roll Paper Co. (Roll; Wrapping) .....B  
**NEBR.—Kearney**  
 Kearney Paper Mills (Straw Wrapping) .....X  
**NEBR.—Lincoln**  
 Lincoln Strawboard & Paper Mill Co. (Sheathing; Strawboard; Straw Wrapping, &c.) .....D  
**N. H.—Ashland**  
 International Paper Co. (Manilla Tissue) .....AAAA  
**N. H.—Bennington**  
 Barker & Co., W. T. (M. F.; Super Book) .....A  
**N. H.—Berlin**  
 Berlin Mills Co. (News) AAAA  
 International Paper Co. (News) .....AAAA  
**N. H.—Exeter**  
 Mason Perkins Paper Co.

**PAPER (Con.)**

(News; Colored; Wrapping) .....A  
**Train Smith Co.** (Manilla; News; Drawing) .....O  
**N. H.—Claremont**  
 Claremont Paper Co. (M. F.; Super Book) .....X  
**N. H.—Davisville**  
 United Box Board & Paper Co. (News; Pulp Lined; Chip Board) .....AAAA  
**N. H.—Franklin**  
 International Paper Co. (News; Manilla) .....AAAA  
**N. H.—Gorham**  
 Berlin Mills Co. (News) AAAA  
**N. H.—Groveton**  
 Odell Mfg. Co. (Fibre; Manilla) .....A  
**N. H.—Hinsdale**  
 Fisk Paper Co. (Toilet; White; Manilla; Tissue; Cigarette) .....B  
**Robertson & Co., G. A.** (Manilla; Tissue) ....D  
**N. H.—Lincoln**  
 Henry & Sons, J. E. (News; Manilla) .....AAAA  
**N. H.—Manchester**  
 Amoskeag Paper Mills Co. (Book; Newspaper)....A  
**N. H.—Milton**  
 United Box Board & Paper Co. (Wood; Manilla Board; Card Middles) AAAA  
**Milton Leather Board Co.** (Leather Board) .....O  
**N. H.—Nashua**  
 Nashua Card & Glazed Paper Co. (Coated) .....AA  
**N. H.—Sunapee**  
 Emerson Paper Co (White; Colored) .....B  
**N. H.—West Claremont**  
 Coy Paper Co. (Manilla Tissue) .....O  
**Jarvis Paper Mills** (Toilet; Sheet; Roll; Tissue Manilla) .....D  
**N. H.—West Henniker**  
 Contoocook Valley Paper Co. A  
**N. J.—Bloomfield**  
 Diamond Mills Paper Co. (Copying; Carbon; Cigarette) .....A  
**N. J.—Bloomingsdale**  
 Pequannock Valley Paper Co. (Toilet) .....F  
**N. J.—Bogota**  
 United Box Board & Paper Co. (Manilla; Pulp Lined Strawboard) .....AAAA  
**N. J.—Boonton**  
 Field & White (Saturating Felts) .....O  
**N. J.—Camden**  
 Fay Manilla Roofing Co. (Roofing; Sheathing) ..D  
**West Jersey Mfg. Co.** (Building; Sheathing; Coating; Tag)....B  
**N. J.—Elizabeth**  
 Rankin Co., W. H. (Sheathing; Roofing) .....A  
**N. J.—Franklin**  
 Kingsland Paper Mills (Safety Check; Ticket, &c.) .....D  
**N. J.—Hamburg**  
 Union Waxed & Parchment Co. (Tissue; Waxed) AA  
**N. J.—Hoboken**  
 Hoboken Paper Mill Co. (Building; Lining; Bogus; Mill Wrappers) .....D  
**Pownall, F. S.** (Wrapping; Grey; Bogus; Manilla; Carpet Lining) .....B  
**N. J.—Jersey City**  
 Davey & Sons, W. A. (Binders; Friction; Trunk Boards) .....AA  
**Jersey City Paper Co.** (White; Colored) .....B  
**Leo Box Board Co., Jas.** (Box Board) .....A  
**Reynolds, Boyle Co.** (News; Straw Board) .....B  
**N. J.—Lambertville**

<b>PAPER (Con.)</b>	<b>PAPER (Con.)</b>
Gandey, Wm. H. (Tissue)	(Cork) .....AA
Manilla; Copying) ....C	<b>N. Y.—Brownville</b>
Lambertville Paper Co.	Brownville Board Co. (Tag;
(Manifolding; Parch-	Manilla; Folding Box
ment; Copying; Jute; Ma-	Boards) .....A
nilia Tissue) .....A	Harmon Paper Co. (Book;
<b>N. J.—Millburn</b>	News; Manilla; Colored
Diamond Mills Paper Co.	Specialties) .....C
(Tissue) .....A	<b>N. Y.—Canajoharie</b>
Fandango Mills (Binders	Arkell & Smith (Coated;
Board) .....A	Flour Sack) .....A
Lighttype & Co., Ernest (Al-	<b>N. Y.—Carthage</b>
bum; Binders; Trunk	Carthage Tissue Paper Mills
Boards) .....B	(Manilla; White; Colored
<b>N. J.—Morristown</b>	Tissue; Toilet in Rolls)
Muir, Jas. A. (Binders;	B
Leather; Pattern Board)	Champion Paper Co. (Ma-
C	nilia) .....B
<b>N. J.—Newark</b>	Island Paper Co. (Special
Albey Bros. (Binders; Box	Manilla; Screening; Bag;
Button; Trunk Board) ..D	Fibre) .....B
Downs, Geo. W. (Box	West End Paper Co. (News)
Board) .....H	B
<b>N. J.—Passaic</b>	<b>N. Y.—Castleton</b>
Carlton Paper Mills (Sheath-	Fort Orange Paper Co.
ing; Roofing; Felt) ....C	(Pulp Boards; Card Midd-
Paterson Parchment Paper	les, &c.) .....D
Co. (Lining; Parchment;	Ingalls & Co. (Binders;
Wrapping) .....AA	Friction; Trunk; Wagon;
<b>N. J.—Pleasant Mills</b>	Pattern; Wagon Board)
Pleasant Mills Paper Co.	B
(Rope; Manilla) .....A	<b>N. Y.—Chatham</b>
<b>N. J.—Riegelsville</b>	Hughes, E. T. (Cigarette)
Warren Mfg. Co. (Jute	D
Rope; Cover; Manilla) AA	Stony Brook Box Board
<b>N. J.—Wanaque</b>	Mills (Blue Tint Board)
Wanaque River Paper Co.	D
(Chin Straw Board; Hea-	<b>N. Y.—Chatham Center</b>
vy Bogus) .....A	Haner & Son, M. L. (Straw
<b>N. J.—Waverly Park</b>	Wrapping; Bogus) ....D
Wheeler Mfg. Co. (Chip;	<b>N. Y.—Dansville</b>
Straw Board; Heavy Bo-	McNairn, J. H. (White;
gus) .....E	Colored Tissue) .....X
<b>N. J.—Whippany</b>	<b>N. Y.—De Feriet</b>
United Box Board & Paper	St. Regis Paper Co. (News)
Co. (News; Combination;	AAA
Patent Coated Boards)	<b>N. Y.—Dexter</b>
AAAA	Dexter Sulphite Pulp & Pa-
McEwan & Bros., A. (Box	per Co. (Manilla; Fibre)
Boards) .....X	A
<b>N. Y.—Albany</b>	<b>N. Y.—Elbridge</b>
Albany Card & Paper Co.	Paddock, S. D. (Straw
(Coated) .....B	Board for Tubes) ....AA
Albany Perforated Wrap-	<b>N. Y.—Evergreens</b>
ping Paper Co. (Butter;	Lyons, Jas. (Roofing; Dead-
Roll; Toilet; Tissue;	ening Felts; Sheathing) X
Waxed) .....A	<b>N. Y.—Felts Mills</b>
<b>N. Y.—Amsterdam</b>	Taggarts Paper Co. (Col-
Smealie & Co., P. H.	ored Poster; News; Ma-
(Hanging; News; Lining)	nilia) .....A
AAA	<b>N. Y.—Fort Edward</b>
<b>N. Y.—Ancram</b>	International Paper Co.
Ancram Paper Mill (White;	(News; Manilla; Hanging;
Colored; Manilla; Anti	Wrappers) .....AAAA
Rust Tissue) .....C	<b>N. Y.—Fort Miller</b>
<b>N. Y.—Ausable Forks</b>	Fort Miller Pulp & Paper
Rogers Co., J. & J. Express;	Co. (Hanging) .....A
Manilla) .....AAA	<b>N. Y.—Fulton</b>
<b>N. Y.—Baldwinsville</b>	Eureka Paper Co. (Rope;
Colored; Tissue; Wrap-	Tag; Fibre; Oyster Pall;
ping Straw; Manilla Tis-	Heavy Wrapping) ....D
sue) .....C	United Box Board & Paper
<b>N. Y.—Ballston Spa</b>	Co. (Manilla News; Box
Nat. Folding Box & Paper	Board) .....AAAA
Co. (Box Board) ..AAAA	Victoria Paper Mills Co.
Union Bag & Paper Co.	(Manilla Fibre; Rope) B
(Bag; Manilla) ..AAAA	Volney Paper Co. (Roofing;
<b>N. Y.—Battenville</b>	Sheathing; Building;
Phoenix Paper Co. (White;	Wrapping) .....B
Manilla Tissue) .....C	<b>N. Y.—Glens Falls</b>
<b>N. Y.—Beaver Falls</b>	International Paper Co.
Lewis Co., J. P., The	(News) .....AAAA
(Pulp; Folding Box; Tag;	<b>N. Y.—Gt. Bend</b>
Document; Oyster Pall	Taggarts Paper Co. (Hang-
Jute; Fibre; Mat. Boards)	ing; News; Manilla) AA
B	<b>N. Y.—Greenwich</b>
Lewis & Slocum (Wood;	Blandy Paper Co. (Spec.
Pulp; Sulphite Boards in	for Coating; Card Mills)
Natural & Tinted Colors)	D
B	Phoenix Paper Co. (Hang-
<b>N. Y.—Binghamton</b>	ing Newspaper) .....D
Bayless Pump & Paper Co.	<b>N. Y.—Greig</b>
(Hanging; Newspaper)	Moyer & Pratt (Drab Ex-
AA	press; Manillas) .....D
<b>N. Y.—Black River</b>	<b>N. Y.—Hadley</b>
Jefferson Paper Co. (But-	Union Bag & Paper Co.
chers Manilla; Hanging;	(Bag; Manilla) ..AAAA
Wax) .....A	<b>N. Y.—Hart Lot</b>
<b>N. Y.—Brooklyn</b>	Hart Lot Paper Co. (Ma-
McLoughlin Bros. (Coated)	nilia) .....B
AAA	<b>N. Y.—Herkimer</b>
Thompson & Morris Co.	International Paper Co.

**PAPER (Con.)**  
(News; Manilla; Fibre)  
AAAA

**N. Y.—Herring**  
Jefferson Board Mills Co.  
(Box; Tag; Wood Pulp  
Board) .....D

**N. Y.—Honeye Falls**  
United Box Board & Paper  
Co. (News; Board; Chip)  
AAAA

**N. Y.—Ithaca**  
Ithaca Falls Paper Mills  
(Building; Rag Wrapping)  
O

Ithaca Paper Co. (Wrap-  
ping; Building) .....X

**N. Y.—Little Falls**  
Kingston's Sons, Wm.  
(Roofing Dry; Deadening  
Felt) .....C

Little Falls Paper Co. (Tis-  
sue) .....C

**N. Y.—Lockport**  
Lockport Paper Co. (Roof-  
ing; Sheathing; Wrap-  
ping) .....A

Niagara Paper Mills (Book;  
Cover; Colored) .....D

United Box Board & Paper  
Co. (Manilla Boards;  
Car Middles, &c.) AAAA

**N. Y.—Long Island City**  
Central Felt & Paper Co.  
(Roofing; Felt Sheath-  
ing) .....B

**N. Y.—Lyonsdale**  
Ager, C. Leonard (Tea) E  
Moyer & Pratt (Sulphite;  
Butchers Manilla) ....D

**N. Y.—Lyon Falls**  
Gould Paper Co. (Manilla)  
A

**N. Y.—Malone**  
Malone Paper Co. (Manilla;  
Bag; Fibre; Hanging;  
Colored) .....B

**N. Y.—Marcellus Falls**  
Lawless & Co., M. J. (Ma-  
nilla; Wrapping; Straw)  
O

Onondaga Paper Co. (Ex-  
press; Manilla; Fibre;  
Wrapping) .....X

**N. Y.—Mechanicsville**  
Duncan Co., The (Super  
Book) .....AAAA

**N. Y.—Mellenville**  
Osborn Flexible Conduit Co.  
(Insulated) .....B

**N. Y.—Middle Falls**  
Bennington Falls Pulp Co.  
(Tissue) .....X

Bosson Mfg. Co. (Leather;  
Fibre Board) .....D

Stevens & Thompson (Ma-  
nilla; Tissue) .....AA

**N. Y.—Middle Grove**  
Leggett & Son, Jno. (Chip  
Board) .....AA

**N. Y.—Middleport**  
United Box Board & Paper  
Co. (Chip; Manilla; News  
Board) .....AAAA

**N. Y.—Napanoch**  
Pillsbury, M. M. (Tissue)  
D

**N. Y.—Natural Dam**  
Aldrich Paper Co. (News;  
Manilla) .....AA

**N. Y.—Newburgh**  
Grove Mills Paper Co. (M.  
F.; Super Book; Litho-  
Writing) .....X

Little Falls Paper Co.  
(White; Manilla Tissue)  
B

**N. Y.—New Hampton**  
Diamond Mills Paper Co.  
(Tissue) .....B

**N. Y.—Newton Falls**  
Newton Falls Paper Co.  
(Tags; Manilla; White;  
Bag; Fibre) .....AA

**New York City**  
Adams Paper Co., Peter  
(Book; Gesso; Coated;  
Lithograph; Map) ....A

Amer. Banknote Co. (Cur-  
rency) .....AAAA

Bainbridge, Sons, Chas. T.  
(Tissue) .....A

**PAPER (Con.)**  
Barrett Mfg. Co. (Build-  
ing) .....AAAA

Beck & Co., F. (Wall) .....A  
Behr & Co., Herman (Flint;  
Garnet; Sand) .....AA

Berlin & Jones Envelope Co.  
(Bond; Banknote; Card;  
Lined) .....AA

Bower Co., F. M. (Chewing  
Gum; Motto) .....AA

Bulkley; Dunton & Co.  
(Book; Newspaper) AAA  
Champion Coated Paper Co.  
(Coated) .....AAAA

Clark, Chas S. (Newspaper)  
A

De Jonge & Co., Louis  
(Coated) .....AAAA

Devoc, F. W. & O. T. Ray-  
nolds Co. (Oil; Sketching)  
AAAA

Doty & Scrimgeour (Coated)  
A

Diamond Mills Paper Co.  
(Cigarette; Copying; Tis-  
sue; Toilet) .....AA

Frasse & Co. (Emery) D  
Friedrichs, E. H. (Oil;  
Sketching) .....A

Gerber Co., Henry (Carbon)  
F

Gledhill Wall Paper Co.  
(Wall) .....A

Hammerschlag Mfg. Co.  
(Waxed; Sheathing; Wa-  
terproof) .....B

Hess & Harburger (Sand)  
B  
Hoogland's Sons, B. T., 88  
John (Mediated Toilet) X

International Paper Co.  
(Book; Hanging; Manilla;  
Newspaper) .....AAAA

Johns-Manville Co., H. W.  
(Asbestos) .....AAAA

Keuffel & Esser Co. (En-  
gineers' Section Profile)  
AA

Kringsland Paper Mills  
(Calendar Roll; Embossed;  
Safety) .....B

Mann Co., Wm. (Copying;  
Tissue) .....AA

Mansell, Hunt Catty & Co.  
(Lace; Shelf) .....AAAA

Manufacturers' Paper Co.  
(Newspaper) .....A

New York Blank Book Co.  
(Shelf) .....A

N. Y. Carbon & Transfer  
Paper Co. (Carbon) .....X

Osborn & Wilson, 56 Frank-  
lin (Silk Ribbon; Warp-  
ing; Beaming; Blocking)  
X

Perkins, Godwin & Co.  
(Book; Newspaper) AAA

Pond & Co., Wm. A.  
(Music) .....D

Raynor & Perkins Envelope  
Co. (Mourning) .....A

Schirmer, G. (Music) .....B  
Standard Paint Co. (Build-  
ing; Roofing; Sheath-  
ing) .....A

Standard Wall Paper Co.  
(Wall) .....AAAA

Underwood & Co., John  
(Carbon) .....B

United Box Board & Paper  
Co. (Box Board) AAAA

United Mfg. Co. (Cloth  
Faced) .....A

Waddell & Co., R. J.  
(Sand) .....AA

Walther & Co. (Coated) A  
Warren Chemical Mfg. Co.  
(Roofing) .....A

West Virginia Pulp & Pa-  
per Co. (Book) .....AAAA

Wilkinson Bros. & Co. (Col-  
ored; Express; Hardware;  
Tissue; Wrapping) ....A

Wood & Son, Henry P.  
(Trunk) .....B

York Haven Paper Co.  
(Manilla; Wrapping) AA

**N. Y.—Niagara Falls**  
Cliff Paper Co. (Hanging;  
Newspaper) .....AA

Niagara Surface Coating Co.  
(Coated; Lithograph) ..C

<b>PAPER (Con.)</b>	<b>PAPER (Con.)</b>
Pettebone-Cataact Paper Co. (News; Manila; Hanging) .....AAAA	Co. (Hanging) .....C
N. Y.—Norfolk	Skaneateles Paper Co. (Boards; Mill Wrappers) B
Remington - Martin Co. (News; Hanging; Bag) A	N. Y.—Stillwater
N. Y.—North Hoosick	Pemble, W. (Leather Board) .....A
Stevens & Thompson (Hanging; Newspaper; Colored Specialties) .....AA	Stillwater Straw Board Co. (Straw Board) .....D
N. Y.—Patchogue	N. Y.—Stockport
Gilmore Mfg. Co. (Board; Sheathing; Wrapping) B	Van de Carr, C. R. (Straw Wrapping; Cigarette) ..O
N. Y.—Penn Yan	N. Y.—Syracuse
Andrews & Co., Jno. T. (Butchers'; Manila; Sheathing) .....A	Syracuse Pulp & Paper Co., (Hanging) .....O
Fox & Curtis (Straw Wrapping) .....B	N. Y.—Ticonderoga
United Box Board & Paper Co. (News; Manila) AAAAA	International Pulp & Paper Co., (News) .....AAAA
N. Y.—Phoenix	Ticonderoga Pulp & Paper Co., (News; Book; Drawing) .....AAA
Carrier, Leman J. (Manilla; Tissue) .....B	N. Y.—Tonawanda
Oswego River Paper Mills (Toilet) .....C	Tonawanda Board & Paper Co. (Pulp; Manila; Jute Coated; Duplex Boards) X
Phoenix Toilet & Paper Mfg. Co. (White; Manila Tissue; Toilet) .....C	N. Y.—Troy
Sweet Bros. Paper Mfg. Co. (Colored; Manila Tissue) .....D	Albia Box & Paper Co. (Box Boards) .....A
N. Y.—Piermont	Leversee & Snyder Mfg. Co. (Chip Board) .....X
Piermont Paper Co. (Folding Box Boards) .....AA	Manning Paper Co., Jno. A. (Rope Manila; Flour Sack; Sand) .....AA
N. Y.—Pyrites	Orr Co., The (News; Tissue; Book) .....AA
De Grasse River Paper Co. A	Smart, R. T. (Toilet; Straw; Wrapping) .....B
N. Y.—Pt. Leyden	N. Y.—Valatie
Gould Paper Co. (Heavy Manila; Drab) .....A	Davis & Richmond (Straw Wrapping) .....D
N. Y.—Potsdam	N. Y.—Walesville
Baquette River Paper Co. (Manilla; Fibre) .....AA	Oriskany Paper Co. (Tissue Manila) .....X
N. Y.—Raymondville	N. Y.—Walloomsac
Raymondville Paper Co. (News) .....X	Walloomsac Paper Co. (Colored) .....AA
N. Y.—Rochester	N. Y.—Warrensburgh
Amer. Ribbon & Carbon Co. (Carbon) .....D	Schroon River Pulp & Paper Co. (Hanging; News) ..A
Eastman Kodak Co. (Bromide; Negative; Transferotype) .....AAAA	N. Y.—Waterford
Elbs, John G. (Fly) .....D	Gilbert Paper Co., Frank (Book; Cotton Waste News) .....B
Genesee Paper Co. (News; Tissue) .....B	N. Y.—Watertown
Reed Chemical Co. (Fly) E	International Paper Co. (News; Manila) ..AAAA
N. Y.—Rock City Falls	Knowlton Bros. (Cover; Colored Laid Writing; Coated) .....A
Union Waxed & Parchment Paper Co. (Flexible; Non Flexible Parchment) AA	Remington-Martin Co. (Manilla; Roll Newspaper) AA
Brown Paper Co., The E. M. (Heavy Card; Duplex) B	Taggart Bros. Co. (Rope; Coated) .....A
N. Y.—Salisbury Mills	Watertown Paper Co. (Hanging; News; Manila) B
Arlington Paper Co. (Book; Writing) .....A	N. Y.—West Milton
N. Y.—Sandy Hill	Jacobs, Jno. (Textile Wrappers; Hardware; Bristols, etc.) .....O
Allen Bros. Co. (Blank Wall; Manilla Fibre; Express) AA	<b>OHIO—Akron</b>
Union Bag & Paper Co. (Bag; Manilla Wall) AAAAA	Cleveland-Akron Bag Co. (Rope; Manilla) ..AAAA
N. Y.—Saugerties	Phillips Co., Thomas (Rope; Coated Manila; Flour Sack) .....AA
Cantner, E. Martin (Coated) A	<b>OHIO—Baltimore</b>
Diamond Mills Paper Co. (Typewriter; Carbon; Tissue; Copying; Cigarette) X	Twin City Paper Co. (Glazed; M. F. Hardware; Rope) .....O
N. Y.—Schuylerville	<b>OHIO—Barberton</b>
Amer. Wood Board Co. (Coating Board) .....B	Am. Straw Board Co. (News; Coated; Pulp Lined; Combination) AAAAA
Schuylerville Paper Co. (Book; News) .....A	<b>OHIO—Cedarville</b>
United Box Board & Paper Co. (Jute Fibre Boards) AAAAA	Hagar Straw Board & Paper Co. (Light Straw Board; Straw Wrapping) .....O
N. Y.—Seneca Falls	<b>Ohio—Chagrin Falls</b>
Ingersoll & Son, E. S. (Tissue) .....D	Adams Bag Co. (Manilla) A
N. Y.—Shortsville	<b>OHIO—Chillicothe</b>
Jones, James (Bogus Manilla) .....C	Mead Paper Co. (Book; Litho; Writing) .....A
Lawless Paper Co. (Manilla; Manilla Tissue) .....D	<b>OHIO—Cincinnati</b>
N. Y.—Skaneateles	Chatfield & Woods Co. (Newspaper) .....A
Rose & Moses Pulp & Paper	Church Co., John (Music) AAAAA
	<b>OHIO—Circleville</b>
	Am. Straw Board Co. (Straw Board) .....AAAA
	<b>OHIO—Cleveland</b>
	Bruce & West Mfg. Co.

**PAPER (Con.)**

(Fly) .....D  
 Cleveland Paper Mfg. Co.  
 (Colored Book; Manilla;  
 News; Roll) .....B  
 Cleveland-Akron Bag Co.  
 (Rope; Manilla) .....A  
**OHIO—Coshocton**  
 Coshocton Straw Paper Co.  
 (Straw Wrapping) .....E  
**OHIO—Cuyahoga Falls**  
 Walsh Paper Co. (Colored;  
 News; Starch; Lining; To-  
 bacco) .....B  
**OHIO—Dayton**  
 Aetna Paper Co. (Bond;  
 Ledger; Linen; Flat Envel-  
 ope; Map; Writing) ...B  
 Am. Straw Board Co.  
 (Binders' Board) ...AAAA  
 Dayton Paper Novelty Co.  
 (Waxed) .....A  
 Levis Paper Co. (Bond;  
 Linen; Bristol; Writing) ...AAA  
 Knerr Paper Co., Lewis  
 (Binders; Trunk Board) X  
 Mead Paper Co. (Book;  
 Litho; Writing) .....A  
 Nixen & Costello Co.  
 (Colored) .....E  
**OHIO—Delphos**  
 Hinde & Dauch Paper Co.  
 (Straw Board; Wrapping) B  
**OHIO—Franklin**  
 Am. Writing Paper Co.  
 (Writing) .....AAAA  
 Perfect Safety Paper Co.  
 (Safety) .....B  
 Perrine Paper Co. (Rope  
 Manilla; Wrapping) ...X  
 Richardson Paper Co. (Roof-  
 ing; Wrapping; News-  
 paper) .....C  
 Union Waxed & Parchment  
 Paper Co. (Tissue) ...AA  
**OHIO—Hamilton**  
 Beckett Paper Co. (Colored  
 Cover; Poster; Starch; To-  
 bacco) .....A  
 Champion Coated Paper Co.  
 (Book for Coating; Coat-  
 ed; Lithograph) ...AAAA  
 Rockdale Tissue & Waxed  
 Paper Co. (Waxed; Plain  
 Tissue) .....X  
 Sterling Paper Co. (Parch-  
 ment) .....C  
**OHIO—Kenton**  
 Am. Straw Board Co.  
 (Straw Board) ....AAAA  
**OHIO—Lima**  
 Am. Straw Board Co. (Straw  
 Board; Plain; Lined Egg  
 Case Fillers) .....AAAA  
**OHIO—Lockland**  
 Bowen, E. (Carpet Lining;  
 Cloth; Building; Roofing;  
 Bottle Wrapper; Candy;  
 Furniture; Tapped Roof-  
 ing; Slaters' Felt) ....B  
 Fox Paper Co. (Roofing;  
 Wrapping; Express; Build-  
 ing; Manilla) .....AA  
 Haldeman Paper Co. (Carpet  
 Lining; Felt Roofing;  
 Wrapping) .....A  
**OHIO—Massillon**  
 Massillon Paper Co. (Straw  
 Wrapping) .....C  
**OHIO—Maumee**  
 Fly Button Co. (Fly) ....D  
 Maumee Paper Co. (Colored  
 Cover; Bogus; Bristol;  
 Mask; Porous; Fly; Tobac-  
 co; Macaroni; Seidlitz Pat-  
 tern; Rag Wrapping) X  
 Mitchell-Westcott Paper Co.  
 (Express; Straw Wrap-  
 ping) .....X  
**OHIO—Miamisburg**  
 Miamisburg Paper Co.  
 (Book; News; Butchers'  
 Manilla; Wax) .....B  
 Ohio Paper Co. (Super Book;  
 R. R. Manilla) .....A  
**OHIO—Middletown**  
 Crystal Paper Co. (White;  
 Manilla; Tissue; Waxed  
 Tissue; White Waxed) B  
 Gardiner Paper Co., Collin  
 (Coated; Box Boards;  
 White Blanks) .....A  
 Oglesby Paper Co., The W.

**PAPER (Con.)**

B. (High Grade Bag;  
 Book) .....AAAA  
 Sorg Paper Co., The Paul A.  
 (Flour Sack; Wax) .....A  
 United Box Board & Paper  
 Co. (Coated Cards; Card  
 Middles; Comb Cards; Ma-  
 nilla) .....AAAA  
 Wardlow-Thomas Paper Co.  
 (Rope; Jute; Manilla;  
 Coated) .....AA  
 Wrenn Paper Co. (Blotting;  
 Filter; Newspaper) ....B  
**OHIO—Monroe Falls**  
 Monroe Falls Paper Co.  
 (Carpet Lining; Express;  
 Straw; Rag Wrapping) D  
**OHIO—Piqua**  
 Am. Straw Board Co.  
 (Straw; News; Comb.  
 Pulp; Chip Board) AAAA  
**OHIO—Sandusky**  
 Hinde-Dauch Paper Co.  
 (Straw Board; Wrapping) B  
**OHIO—St. Mary's**  
 Western Straw Board Co.  
 (Jute; Pulp Lined; Fold-  
 ing Box; Straw Boards) C  
**OHIO—Staubenville**  
 Hartle Paper Mfg. Co. (Ma-  
 nilla; News; Carpet Lin-  
 ing; Wrapping Straw;;  
 Pulp Board) .....AAA  
**OHIO—Tiffin**  
 Am. Straw Board Co. (Straw  
 Board) .....AAAA  
**OHIO—Toledo**  
 Shepler, Jno. B. (Binders';  
 Trunk; Friction Board) F  
**Ohio—Urbana**  
 United Box Board & Paper  
 Co. (Straw Board) AAAA  
**OHIO—West Carrollton**  
 Friend Paper Co., Geo. H.  
 (Book; Manilla; Roofing;  
 Tobacco, Newspaper) AAA  
 Xenia Board & Paper Co.  
 (White Folding Box  
 Board) .....B  
**OREGON—Lebanon**  
 O'Neill Bros. & Callaghan  
 (Straw Wrapping) ....A  
**OREGON—Oregon City**  
 Crown Paper Co. (Manilla;  
 Fruit Bag; Express) ...A  
 Willamette Pulp & Paper  
 Co. (News) .....AAAA  
**PA.—Atglen**  
 Hults, E. H. Jr., (Binders';  
 Trunk Board) .....C  
 Chalfant, Thos. S. (Binders'  
 Board) .....C  
**PA.—Austin**  
 Bayless Pulp & Paper Co.  
 (Pure Fibre) .....AA  
**PA.—Avcndale**  
 Keating, Jos. M. (Binders';  
 Box Board) .....C  
**PA.—Bloomsburg**  
 Bloomsburg Paper Co.  
 (Rope; Manilla; Water  
 Sheathing; Mill Boards) B  
**PA.—Bridgeport**  
 Diamond State Fibre Co.  
 (Fibre) .....B  
**PA.—Buck Run**  
 Garrett & Son Co., C. S.  
 (Hanging; Card; Middles;  
 Fibre) .....AAA  
**PA.—Catawissa**  
 Penna. Paper Mills (Pure  
 Fibre; Drab; Express; Im-  
 itation Press Board) ..B  
**PA.—Chambersburg**  
 Hollywell Paper Mills  
 (Building; Dry Roofing;  
 Deadening Felt; Rosin  
 Sized Sheathing; Heavy  
 Wrapping; Manilla) ..X  
**PA.—Cly**  
 Chase Felt & Paper Co.  
 (Roofing; Rosin Sized  
 Sheathing; Deadening  
 Felt; Corrugated Carpet  
 Lining) .....D  
**PA.—Darby**  
 Garrett, E. T. (Book; Card  
 Middles; Fibre; Hanging) X  
**PA.—Dowington**  
 Bicking, S. Austin, (Wrap-  
 ping; Rosin Sized Sheath-

<b>PAPER (Con.)</b>	
ing) .....	C
Eagle Paper Mills (Mill Wrappers) .....	X
Miller Paper Co., Frank P. (Box; Binders' Boards) C	
<b>PA.—Easton</b>	
Baker-Adamson Chemical Co. (Filter) .....	A
<b>PA.—Ercildown</b>	
Garrett & Son Co., C. S. (Hanging) .....	AAA
<b>PA.—Erie</b>	
Hammermill Paper Co. (Bond; Ledger; Superfine) .....	AAA
Watson Co., H. F. (Building; Manilla; Roofing; Fireproof) .....	AAAA
<b>PA.—Franklin</b>	
Franklin Mfg. Co. (Tag; Document; Manilla; Ice Cream; Oyster Pail; Box Boards) .....	B
General Manifold Co. (Carbon) .....	B
<b>PA.—Glen Mills</b>	
Glen Mills Paper Co. (Parchment; Music; Fibre, etc.) .....	AA
<b>PA.—Huntington Mills</b>	
Koons & Son, J. R. (Straw; Bogus Wrapping; Building) .....	C
<b>PA.—Johnsonburg</b>	
N. Y. & Penna. Co. (Bond; White & Colored M. F.; Litho.; Supers; Envelope; Label; Writing) .....	AAAA
<b>PA.—Lancaster</b>	
Oecil Paper Co. (Hanging) B	
<b>PA.—Latrobe</b>	
Peters Paper Co. (Carpet Lining; Roofing; Sheathing; Wrapping) .....	A
<b>PA.—Lewisville</b>	
Megargee Paper Mills (Book) .....	A
<b>PA.—Lock Haven</b>	
N. Y. & Penna. Co. (Bag; Express; Fibre; Hardware; Press Board; Writing) .....	AAAA
<b>PA.—Lykens</b>	
Fisher & Jones (Sheathing) .....	C
<b>PA.—Modena</b>	
Jessup & Moore Paper Co. (Book) .....	AAAA
Megargee Paper Mills (Book) .....	A
<b>PA.—Mt. Holly Springs</b>	
Mt. Holly Paper Co. (Writing; Map; Safety) .....	A
<b>PA.—New Castle</b>	
Dilworth Paper Co. (Rope; Glazed; Express; Hardware; Sugar Bag) .....	A
<b>PA.—New Hope</b>	
Union Mills Paper Mfg. Co. (Manilla Rope for Insulating; Colored; Copying; Tissue) .....	A
<b>PA.—North Water Gap</b>	
Anolomink Paper Co. (Manilla; Fibre) .....	C
<b>PA.—Philadelphia</b>	
Baeder & Adamson Co. (Flint; Garnet; Sand) .....	AAAA
Beck Paper Co., Chas. (Coated; Embossed) .....	B
Carey Bros. Co. (Wall) AAA	
Dill & Collins Co. (Coated Book; Lithograph) .....	AAA
Downing Paper Co. (Roofing & Deadening Felt; Carpet Lining; Wrapping) .....	C
Elliot & Co., A. G. (Book; Chromo; Newspaper) .....	A
Garrett & Son Co., C. S. (Book; Building; Card; Hanging; Manilla; Newspaper) .....	AA
Hamilton & Sons, W. C. (Book; Writing) .....	AA
Haworth Co., John (Sensitized) .....	D
Jessup & Moore Paper Co. (Book; Newspaper) .....	AAAA
Lang Paper Co., John (Roofing; Deadening Felt; Carpet Lining) .....	A
McCollins & Co., Thos. H.	
<b>PER (Con.)</b>	
(Sensitized) .....	H
McDowell Paper Mills (Colored Fibre; Drug; Tissue; Book) .....	B
Moorhouse, R. T. (White & Colored M. F.; Super. Book; Wrapping; Fibre) B	
Nixon Paper Co., Martin & Wm. H. (Book; Manilla; Wrapping) .....	AAAA
Phila. Paper Mfg. Co. (Box Boards) .....	B
Queen & Co. (Engineers' Section Profile) .....	AA
Ramsey, Jr., Jas. B. (Manilla; Wrapping) .....	D
Rudolph & Son, Philip (Manilla; Wrapping) .....	D
Shryock Bros. (Express; Wrapping) .....	D
Warren-Ehret Co. (Building) .....	A
Willis & Clements (Sensitized) .....	B
<b>PA.—Pittsburg</b>	
Tarentum Paper Mills (Bogus Manilla; Express; Wrapping) .....	X
<b>PA.—Pittston</b>	
Rommell, G. B. (Colored; Macaroni; Starch; Blue Lining) .....	D
<b>PA.—Raubsville</b>	
Uhlersville Paper Co. (Tissue; Toilet; Waxed) .....	X
<b>PA.—Reading</b>	
Reading Paper Mills (Book; Coated; Lithograph; Manilla; Plate) .....	AA
<b>PA.—Roaring Spring</b>	
Bare & Co., D. M. (Book; Lithograph; Writing) .....	AA
<b>PA.—Spring Forge</b>	
Glatfelter, P. H. (Bond; Writing; Book; Newspaper) .....	AAAA
<b>PA.—Stillwater</b>	
Stillwater Mfg. Co. (Manilla; Straw; Wrapping; Bogus) .....	D
<b>PA.—Swarthmore</b>	
Franklin Paper Mills (Writing; Manilla; Blank Book) .....	D
<b>PA.—Tarentum</b>	
Tarentum Paper Mills (Rope; Express Writing) .....	AAA
<b>PA.—Tyrone</b>	
Morrison & Cass Paper Co. (Book; Newspaper) .....	AAA
W. Va. Pulp & Paper Co. (Super.; M. F. Book; Litho; Varnish Label; Writing) .....	AAAA
<b>PA.—Upper Darby</b>	
Garrett & Son Co., C. S. (Book; Card; Fibre; Hanging) .....	AAA
<b>PA.—William Penn</b>	
Hamilton & Sons, W. C. (Book) .....	AA
<b>PA.—Williamsburg</b>	
Williamsburg Paper Mfg. Co. (Writing; Book; Cover; Envelope; Fibre) .....	AA
<b>PA.—Willistown Inn</b>	
Garrett & Son, H. S. (Manilla; Filter; Felt) .....	D
<b>PA.—York</b>	
Lefeau Mfg. Co. (Sheathing; Gray; Bogus Wrapping; Manilla Lined Mill) .....	C
Schmidt & Ault Paper Co. (Manilla; Bogus Wrapping; Roofing; Sheathing) .....	D
York Felt & Paper Co. (Saturating; Deadening Felts) .....	D
<b>PA.—York Haven</b>	
York Haven Paper Co. (Fibre Building; Insulating) .....	AA
<b>S. C.—Hartsville</b>	
Carolina Fibre Co. (Butchers Manilla; Fibre) .....	A
<b>TEXAS—Oak Cliff</b>	
Fleming & Sons, Jno. G. (Butchers Manilla; Straw) .....	C
<b>TEXAS—Orange</b>	
Orange Paper Co. (Fibre	



**PAPER (Con.)**

Wrapping) .....D  
**TEXAS**—Sugarland  
 Cunningham & Co., Ed. H.  
 (Butchers; Grocers Wrapping) .....X  
**R. I.**—Pawtucket  
 Linton Bros. & Co. (Coated) .....A  
 Pawtucket Glazed Paper Co.  
 (Glazed) .....C  
**R. I.**—Cardboard Co. (Coated) .....A  
**VT.**—Bellows Falls  
 Blake & Higgins (Manilla) .....C  
 Flint & Sons Co., Wyman  
 (Manilla; Roll Newspaper) .....A  
 International Paper Co.  
 (News; Manilla; Card Board) .....AAAA  
 Moore & Sons, Jno. T. (Manilla; Envelope; Toilet) .....A  
 Moore & Thompson Paper Co. (Manilla; Envelope; Coating; R. B. Writing; Wax Writing) .....A  
 Robertson & Son, Jno. (Tissue Manilla) .....A  
 Robertson Paper Co. (Envelope; Manilla, R. B. Writing; Parchment Writing; Waxed Manilla; Tissue) .....A  
**VT.**—Brattleboro  
 Vinton & Son, Wm. H. (Blotting; Matrix) .....D  
**VT.**—Fitzdale  
 Dalton Paper Mills (News) .....A  
**VT.**—Morrisville  
 Nat. Fibre Board Co. (Fibre Board) .....AAAA  
**VT.**—No. Bennington  
 Stark Paper Co. (Hanging) .....A  
**VT.**—Passumpsig  
 Passumpsig Fibre Leather Co. (Leather Board) .....E  
**VT.**—Putney  
 Cole Paper Co., Wm. A. (Manilla Tissue; Toilet) .....B  
 Robertson Wm. (Tissue; Toilet; Tissue Manilla; Fruit Wrappers) .....D  
**VT.**—Readsboro  
 Nat. Metal Edge Box Co. (Wood Pulp Board) .....A  
**VT.**—St. Johnsbury  
 Pierce Bros. (Leather Board) .....D  
**VT.**—So. Lunenburg  
 Dalton Paper Mills (News) .....A  
**VT.**—Wells River  
 Adams Paper Co. (Manilla Tissue; Toilet; Anti-Tarnish) .....D  
**VT.**—Wildor  
 International Paper Co. (News) .....AAAA  
**VA.**—Big Island  
 Bedford Pulp & Paper Co. (Manilla; News; Hanging; Drawing; Fibre; Pad) .....B  
**VA.**—Buena Vista  
 Columbian Paper Co. (Card; Writing) .....AAA  
**VA.**—Covington  
 W. Va. Pulp & Paper Co. (Super & M. F. Book; Litho; Varnish; Label; Writing Tablet; Music) .....AAAA  
**VA.**—Manchester  
 Standard Paper Mfg. Co. (Blotting; Matrix) .....B  
**VA.**—Richmond  
 Albermarle Paper Mfg. Co. (Blotting) .....A  
 Armitage Mfg. Co. (Roofing) .....B  
 Manchester Paper Twine Co. (Gray; Rag Wrapping; Butchers' Manilla Drab; Express; Mill Wrappers; Tissue Manilla) .....B  
 Richmond Paper Mfg. Co. (Blotting; Book; News) .....AA  
 Wortendyke Mfg. Co. (Toilet) .....B

**PAPER (Con.)**

**VA.**—Winchester  
 Old Dominion Paper Co. (News; Board; Chip Board) .....X  
**WASH.**—Camas  
 Columbia River Paper Co. (Newspaper; Wrapping; Straw Wrapping) .....AA  
 Leadbetter, F. W. (News; Wrapping; Building) .....D  
**WASH.**—Everett  
 Everett Pulp & Paper Co. (Super & M. F. Book; R. B. Writing; Bonds; Cardtride) .....AAA  
**W. VA.**—Haltown  
 Eyster & Son, S. P. (Box Boards) .....D  
**W. VA.**—Wellsburg  
 George Co., S. (Rope Manilla) .....A  
 Harvey Paper Co. (Flour; Cement Sack; Gray Wrapping) .....D  
**WIS.**—Appleton  
 Atlas Paper Co. (Manilla; Colored Fibre; News) .....AA  
 Fox River Paper Co. (Bond; Ledger; Linen; Map; Drawing; Ruled) .....AA  
 Kimberly & Clark Co. (Book; Manilla; Newspaper) .....AAAA  
 Patten Paper Co., The (Book; News) .....A  
 Riverside Fibre & Paper Co. (Manilla; Fibre) .....D  
 Telulah Paper Co. (Book; Envelope; Writing; R. B. Manilla) .....AA  
 Wisc. Tissue Paper Co. (Tissue) .....O  
**WIS.**—Beloit  
 Barrett Mfg. Co. (Roofing; Building; Box; Straw Board) .....AAAA  
**WIS.**—Brokaw  
 Wausau Paper Mills Co. (Butchers Manilla) .....A  
**WIS.**—Combined Locks  
 Combined Locks Paper Co. (News) .....AAA  
**WIS.**—De Pere  
 Am. Writing Paper Co. (Bond; Linen Ledger) .....AAAA  
**WIS.**—Eau Claire  
 Dells Paper & Pulp Co. (Manilla; Fibre; News) .....AAA  
**WIS.**—Grand Rapids  
 Cons. Water Power & Paper Co. (News) .....AA  
 Grand Rapids Pulp & Paper Co. (News) .....A  
 Pioneer Wood Pulp Co. (Wood Pulp Board) .....D  
**WIS.**—Green Bay  
 Hoberg Co., Jno. (White; Manilla; Tissue; Toilet; Fruit) .....D  
 Northern Tissue Paper Mills (Roll Toilet) .....B  
**WIS.**—Kaukauna  
 Outagamie Paper Co. (News) .....A  
 Thilmany Pulp & Paper Co. (Tissue; Poster; French Folio; R. R. Manilla) .....A  
 Union Bag & Paper Co. (Manilla; Bag) .....AAAA  
**WIS.**—Kimberly  
 Kimberly & Clark Co. (Straw Wrapping; Express) .....AAAA  
**WIS.**—Marinette  
 Marinette & Menominee Paper Co. (News; Manilla) .....AAA  
**WIS.**—Menasha  
 Menasha Paper Co. (Manilla; Colored Poster; News) .....A  
 Gilbert Paper Co. (Ledger; Bond; Envelope) .....AA  
 Howard Co., C. W., The (Fibre) .....A  
 Strange Paper Co., Jno. (Poster; Fibre; Manilla; Rag; Express) .....A  
 Whiting, Geo. A. (Book; Writing) .....AA  
 Wisconsin River Paper & Pulp Co. (Newspaper) .....A

**PAPER (Con.)**

**WIS.—Milwaukee**  
 Milwaukee Lace Paper Co.  
 (Lace Shelf) ..... B  
**WIS.—Neenah**  
 Kimberly & Clark Co.  
 (News) ..... AAAA  
 Neenah Paper Co. (Super.;  
 M. F. Book) ..... A  
 Winnebago Paper Mills  
 (Flats; Bonds; Env.; Su-  
 per.; M. F. Book; Matrix) .. AA

**WIS.—Nekoosa**  
 Nekoosa Paper Co. (News;  
 Manilla; Fibre Book) AA  
**WIS.—Niagara**  
 Kimberly & Clark Co.  
 (News; Manilla) ..AAAA  
**WIS.—Oconto Mills**  
 Falls Mfg. Co. (Manilla;  
 Fibre) ..... A  
**WIS.—Oshkosh**  
 Diamond Sticky Fly Paper  
 Co. (Fly) ..... B  
**WIS.—Park Falls**  
 Flambeau Paper Co.  
 (News) ..... A  
**WIS.—Port Edwards**  
 Edwards Mfg. Co. (News) A  
**WIS.—Rhinelander**  
 Rhinelander Paper Co.  
 (News; Manilla) ..... B  
**WIS.—Shawano**  
 Wolf River Paper & Fibre  
 Co. (Bag; Manilla; Envel-  
 ope) ..... A  
**WIS.—Sparta**  
 Newton's Sons, O. J. (Bo-  
 gus Manilla; Wrapping) C  
**WIS.—Stevens Point**  
 Plover Paper Co. (Book;  
 Writing) ..... A  
 Wis. River Paper & Pulp Co.  
 (News) ..... A  
**WIS.—Tomahawk**  
 Tomahawk Pulp & Paper Co.  
 (News) ..... C

**PAPER:  
CARBON**

**ILL.—Aurora**  
 Miller-Bryant-Pierce Co. C  
**MASS.—Boston**  
 Carter's Ink Co. .... A  
**MASS.—Lee**  
 Smith Paper Co. .... AA  
 New York City  
 Cooke, Douglas H., 18  
 Beaver ..... F  
 Little, A. P., 201 Broadway .. AA  
 Pen Carbon Manifold Co.,  
 145 Centre ..... D  
 Whitfield Carbon Paper  
 Works ..... X  
**N. Y.—Rochester**  
 Little A. P. .... AA  
 Non-Smut Carbon Mfg. Co. D  
 Vacuo-Static Carbon Co. D

**PAPER STOCK**

See Rags

**PAPER: WALL**

**ILL.—Chicago**  
 Art Wall Paper Co. .... AA  
 Audebert Wall Paper Mills,  
 16th & State ..... B  
 Freund Bros. Mfg. Co.,  
 2911 Wentworth ..... B  
 Janeway & Carpenter, 265  
 S. Canal ..... AAA  
 Potter Wall Paper Mills,  
 408 Illinois ..... D  
**IOWA.—Des Moines**  
 Stoner Wall Paper Co. .... B  
**MASS.—Boston**  
 Boston Wall Paper House C  
 Middleton Paper Mills,  
 147 Milk ..... B  
 Munroe & Co., J. S., 79  
 Summer ..... C  
**MASS.—Chelsea**  
 Strahan & Co., Thomas... B  
**MASS.—Worcester**  
 Allen-Higgins Co. .... B

**PAPER: WALL (Con.)**

**N. J.—Hackensack**  
 Campbell Wall Paper Co.,  
 Wm. .... X  
**N. J.—Hoboken**  
 Benton, Heath & Co., 18th  
 & Willow Ave. .... B  
 Potter Wall Paper Mills.. A  
**N. J.—Newark**  
 Essex Wall Paper Co. .... C  
**N. J.—New Brunswick**  
 Janeway & Carpenter... AA  
 Janeway & Co. .... AA  
**N. Y.—Brooklyn**  
 Graves, Robt. J. .... D  
**N. Y.—Buffalo**  
 Birge & Sons Co., M. H... A  
 Potter Wall Paper Mills  
 AAA  
**N. Y.—Geneva**  
 Fairfax Bros. .... B  
**N. Y.—Ithaca**  
 Ithaca Wall Paper Mill... C  
**N. Y.—Cortland**  
 Wallace Wall Paper Co... B  
**N. Y.—Brooklyn**  
 Graves Co., Robt., 927 3d  
 Av. .... AA  
 Mairs & Co., Wm. H., 68  
 Sackett ..... AAAA  
 New York City  
 Beck & Co., Fr., 334 7th  
 AA  
 Graves Co., Robt., 483 5th  
 Av. .... AA  
 James Co., F. E., 483 10th  
 Av. .... A  
 Leatherole Co., The, 142 W.  
 23d ..... A  
 Potter Wall Paper Mills, 1  
 E. 13th ..... A  
 Standard Wall Paper Co.,  
 503 5th Av. .... A  
 Strahan & Co., Thomas, 156  
 5th Av. .... B  
**N. Y.—Sandy Hill**  
 Standard Wall Paper Co...  
 AAA  
**N. Y.—Syracuse**  
 Empire Wall Paper Co.... C  
 Syracuse Wall Paper Co.. A  
**N. Y.—Tarrytown**  
 Tarrytown Wall Paper Co. D  
**N. Y.—Walloomsac**  
 Walloomsac Paper Co... AA  
**OHIO.—Steubenville**  
 Steubenville Wall Paper Co. B  
**PA.—New Brighton**  
 Pittsburg Wall Paper Co.. B  
**PA.—Philadelphia**  
 Becker, Smith & Page,  
 (Inc.) Snyder Av. &  
 Water ..... C  
 Carey Bros Co., 2228 N.  
 10th ..... AA  
 Cresswell & Washburn,  
 (Ltd.), 1727 Alter Av... A  
 Gossler & Wilt Wall Paper  
 Co., The, 802 So. 11th.. C  
 Graves Co., Robt., 319  
 Held Bldg. .... AA  
 Hitchener's Wall Paper Co.,  
 Ashbourne ..... C  
 Quaker City Wall Paper  
 Co. .... C  
**PA.—York**  
 York Card & Paper Co... B  
 York Wall Paper Co.... A

**PAPETERIES**See also Pads & Tablets;  
also Paper

**MASS.—Dalton**  
 Crane, Z. & W. M. .... AAAA  
**MASS.—Holyoke**  
 Whiting Paper Co. .... AAAA  
**MASS.—South Lee**  
 Amer. Writing Paper Co...  
 AAAA  
**MASS.—Springfield**  
 Birnie Paper Co. .... A  
 Morgan Envelope Co....  
 AAAA  
 National Papeterie Co.... A  
 New York City  
 Berlin & Jones Envelope Co.  
 AA  
 Hake Mfg. Co., Philip... A

**PAPERERIES (Con.)**  
 Raynor & Perkins Envelope Co. ....A  
**PA.—Huntingdon**  
 Blair Co., J. C. ....AA

## PAPIER MACHE GOODS

**ILL.—Chicago**  
 Petersen, O. B. ....H  
 New York City  
 Berger's Sons, H. ....E  
**PA.—Philadelphia**  
 Schoenhut Co., A. ....A

## PARAFFINE

See also Wax

**ILL.—Chicago**  
 Clark, F. C. ....D  
 New York City  
 Tidewater Oil Co. ....AAAA  
**OHIO—Cincinnati**  
 Moore Oil Co., Chas. H. ....A  
**PA.—Petrolia**  
 Petrolia Mfg. Co. ....H  
**PA.—Titusville**  
 Pennsylvania Paraffine Wks. ....B

## PARASOLS

See Umbrellas

## PARCHMENT

See Paper

## PARERS

**MD.—Baltimore**  
 Sinclair, Scott C. (Fruit) ..E  
**MASS.—Leominster**  
 Hudson Parer Co. (Apple) ..E  
**MASS.—Worcester**  
 Jamblen & Pearsall Mfg. Co. (Wire) ....B  
 Parker Wire Goods Co. (Apple; Potato) ....D  
**N. H.—Antrim**  
 Goodell Co. (Apple) ....A  
**N. J.—Newark**  
 Bannister & Co., A. F. (Fruit) ....A  
 Heller Bros. Co. (Hoof) ..AA  
 New York City  
 Livingston Nail Co. (Apple; Potato) ....A  
**N. Y.—Rochester**  
 Boutell Mfg. Co. (Power Apple) ....C  
**PA.—Reading**  
 Penn. Hardware Co. (Fruit) ..AA  
 Reading Hardware Co. (Apple) ....AAA

## PARQUETRY

See Floors; Carpet: Wood

## PARTITIONS

**ILL.—Chicago**  
 Dodge & Co., H. B. (Wood Rolling) ....D  
 Illinois Terra Cotta Lumber Co., The Rookery Bldg. (Floors; Fireproof) ...AA  
 Imperial Expanded Metal Co., Monadnock Bldg. (Floors; Fireproof) ....D  
 Mackolite Fireproofing Co., 1303 Schiller Bldg. (Mackolite; Floors; Fireproof) ..B  
 Voss, Frederick, 621 Austin Av. (Floors; Wire Lath) ..B  
**IND.—Kokomo**  
 Kokomo Fence Mach. Co. (Wire) ....AAA  
**KY.—Bowling Green**  
 Hartman Sliding Blind Co. (Ball Bearing; Wood Rolling) ....D  
**MASS.—Boston**  
 Eastern Expanded Metal Co., Pemberton Bldg. (Floors; Fireproof) .....A

**PARTITIONS (Con.)**  
**MASS.—Clinton**  
 Clinton Wire Cloth Co. (Floors; Fireproof) ...AAA  
**MICH.—Detroit**  
 Amos & Co., Chas. (Metal) ..F  
**MO.—Kansas City**  
 Swearingen Mfg. Co. (Steel Rolling) .....X  
**MO.—St. Louis**  
 Lasar Letzig Mfg. Co., 16th & O'Fallon (Floors; Fireproof) .....C  
 Schoenthaler Mfg. Co. (Bottle Packing) .....C  
**N. Y.—Brooklyn**  
 Forman, Robert J., 127 Court (Stock) .....E  
 Schratwieser Fire Proof Construction Co., 3d Av. & 7th (Floors; Fireproof) ..D  
**N. Y.—Buffalo**  
 Buffalo Expanded Metal Co., D. S. Morgan Bldg. (Floors; Fireproof) ....B  
 New York City  
 Bailey, Thos., 501 W. 151st (Floors; Fireproof) ....B  
 City Fire Proofing Co., 611 W. 51st (Floors; Fireproof) .....F  
 Doebling Fireproof Construction Co., 1123 B'way (Floors; Fireproof) ....B  
 Hayes Co., Geo., 71 8th Av. (Floors; Fireproof) ....B  
 Maurer & Son, Henry, 420 E. 23d (Floors; Fireproof) ..AA

Metropolitan Fire Proofing Co., 13 Burling Slip (Floors; Fireproof) ....D  
 Monahan, Martin J., 1123 B'way (& Floors; Fireproof) .....F  
 Roebling Construction Co., 121 Liberty (& Floors; Fireproof) .....B  
 Sanitary Fireproofing & Contracting Co., 422 E. 106th (& Floors; Fireproof) ....D  
 White Fireproof Construction Co., 162 W. 27th (Floors; Fireproof) ....D  
 Wilson Mfg. Co., Jas. G., 3 W. 29th (Steel Rolling; Wood Rolling) .....A  
**OHIO—Cleveland**  
 Garry Iron & Steel Co. (Metal) .....A  
 National Concrete Fireproofing Co., New England Bldg. (Floors; Fireproof) ..C

**OHIO—Columbus**  
 Columbus Steel Rolling Shutter Co. (Steel Rolling) .....D  
 International Fence & Fireproofing Co., Buttes Av. (Floors; Fireproof) ....A  
 Kinnear Mfg. Co. (Steel Rolling) .....AA  
**OHIO—Youngstown**  
 Youngstown Iron & Steel Roofing Co. (Metal) ...AA  
**PA.—Philadelphia**  
 Merritt & Co., 1024 Ridge Av. (Floors; Fireproof) ..B  
**PA.—Pittsburg**  
 National Fireproofing Co., Frick Bldg. (Floors; Fireproof) .....AAAA

## PASSE-MENTERIES

New York City  
 Hertlein, Christopher, 15 Mercer .....AA  
 Ohle & Broeker, 537 B'way ..C  
**PA.—Philadelphia**  
 Loeb Lipper & Co. ....A

## PASSE-PARTOUTS

**MASS.—New Bedford**  
 Pierce Mfg. Co. ....AAA

**PASSEPARTOUTS**  
**MASS.**—Springfield  
 Taber-Prang Art Co. ....AA

## PASTE

**ILL.**—Chicago  
 Chapman & Smith Co.  
 (Almond) .....A  
 Martell Co. (Shoe Black-  
 ing) .....E  
 Sanford Mfg. Co., 223  
 Fulton (Sticky) .....B

**ILL.**—Geneva  
 Kleinbeck, C. K. (Caramel)  
 D

**IND.**—Indianapolis  
 Bessire Co., H. (Almond) .D

**MD.**—Baltimore  
 Meyers & Hicks Co., 104 S.  
 Howard (Almond) ....E

**MASS.**—Boston  
 Baker & Co., Chas. F.  
 (Shoe Blacking) .....A

Brown & Co., B. F. (Shoe  
 Blacking) .....B

Carter's Ink Co. (Flour) .A  
 Wood Co., Geo. H. (Shoe  
 Blacking) .....C

**MASS.**—Cambridge  
 Whittemore Bros. & Co.  
 (Shoe Blacking) .....AA

**MASS.**—Lowell  
 Hoyt & Co., E. W. (Tooth;  
 Powders) .....AA

**MO.**—St. Louis  
 Lewison & Blythe Mfg. Co.  
 (Flour) .....D

**N. Y.**—Albany  
 Diamond Paste Co. (Flour;  
 Bookbinders'; Dry; Of-  
 fice; Paperhangers'  
 Shoemakers'; Trunkmak-  
 ers'; Photographers') .AA

**New York City**  
 Arabol Mfg. Co., 100 Wil-  
 liam (Bottlers') .....A

Bixby & Co., S. M. (Shoe  
 Blacking) .....B

Caswell, Massey & Co.  
 (Tooth; Powders) .....X

Devoe, F. W., & C. T. Ray-  
 nolds Co. (Photographers')  
 AAAA

Helde, H., 88 Vandam  
 (Almond) .....AA

Hoyt, Arthur S. (Flour;  
 Bookbinders'; Dry; Paper-  
 Hangers; Powdered) ....B

Johnson & Johnson (Inc.) .  
 (Tooth; Powders) .AAAA

Lazell, Dalley & Co. (Tooth;  
 Powders) .....A

Miller Co., Frank (Shoe  
 Blacking) .....A

Prescott & Co., J. L. (Shoe  
 Blacking) .....A

Rickslecker Co., Theo.  
 (Tooth; Powders) .....C

Silberstein, A. L. (Razor)  
 A

Stafford, S. S. (Photograph-  
 ers') .....B

Wood & Selick, 38 Hudson  
 (Almond) .....A

**N. Y.**—Rochester  
 Scott's Arabian Hoof Paste  
 Co. (Hoof) .....E

**N. Y.**—Utica  
 Tacks Mfg. Co. (Bottlers';  
 Brewers'; Canners'; Com-  
 mercial; Condensed;  
 Liquid) .....F

**OHIO**—Cleveland  
 Cuyahoga Chemical Co.  
 (Chicle) .....D

**OHIO**—Columbus  
 Buckeye Paste Co. (Carriage  
 Trimmers') .....H

**PA.**—Easton  
 World Refining Co. (Shoe  
 Blacking) .....X

**PA.**—Philadelphia  
 Continental Mfg. Co.  
 (Photographers') .....D

Diamond, McDonnell & Co.  
 (Shoe Blacking) .....D

Guano & Reggia (Fancy  
 Italian) .....B

Mason Co., Jas. S.  
 (Shoe Blacking) .....A

Nice Co., Eugene (Label) .A

**PASTE (Con.)**  
 Vall Bros. (Tooth; Powders)  
 X

White Dental Mfg. Co., The  
 S. S., 120 Chest. (Tooth)  
 AAAA

**PA.**—Pittsburg  
 Atlas Paint Co. (Ltd.), 2638  
 Liberty Av. (Anti-Rust)  
 X

**R. I.**—Providence  
 Calder Co., A. L. (Tooth;  
 & Powders) .....B

**PASTEURIZERS**  
 See Apparatus; Brewers

## PATCHES

**N. Y.**—Binghamton  
 Crandal, Stone & Co. (Car-  
 riage; Wagon) .....A

**PATTERNS**  
 See also Models

**CONN.**—Bridgeport  
 Grant Mfg. & Machine Co.  
 (Metal) .....E

Schwerdtle Stamp Co.  
 (Metal) .....F

**CONN.**—Bristol  
 Smith, Ira B. ....E

**CONN.**—New Haven  
 Burgess, E. A., 67 Court  
 (Wood; Metal) .....F

**CONN.**—South Norwalk  
 Colonial Foundry & Machry.  
 Co. ....B

**CONN.**—Waterbury  
 Blake & Johnson (Metal) .A

**DEL.**—Wilmington  
 Walker & Kyle .....F

**ILL.**—Chicago  
 Elmes Engineering Wks.,  
 Chas. F. ....A

New Idea Pattern Co., 234  
 5th Av. (Dress) .....A

Ryan & Co., J. J. (Metal) .C

Van Pelt, Geo. H. (Boot;  
 Shoe) .....C

**ILL.**—Freeport  
 Stover Mfg. Co. (Metal) ..  
 AA

**ILL.**—Harvey  
 Whiting Foundry Equipment  
 Co. (Wood; Metal) ....AA

**MASS.**—Boston  
 Hartford Bros. (Shoe) ...E

White & Son, W. B. (Boot)  
 D

Whitemore, W. E. (Shoe)  
 C

**MASS.**—Brocton  
 Brocton Last Co. (Sole) ..B

**MASS.**—Worcester  
 Kidder, R. E. (Metal) ....E

**MICH.**—Detroit  
 Buhl Malleable Co. ....A

Cope Pattern Wks., G. W.  
 (Stove) .....D

Kahl Pattern Co., Fred  
 (Wood; Metal) .....D

**MO.**—St. Louis  
 Pleunger & Henger Mfg. Co.  
 (Metal) .....A

**N. J.**—Jersey City  
 Williams & Sons, E. A.  
 (Metal) .....AA

**N. Y.**—Albany  
 Clark, Jno. W. (Wood;  
 Metal) .....D

**N. Y.**—Buffalo  
 Acme Steel & Malleable Iron  
 Wks. (Wood; Metal) ...A

Buffalo Gear & Pattern  
 Wks., 20 Elk (Gear, cut  
 by Machinery) .....G

Buffalo Pattern Wks. (Edw.  
 Simon, Prop.) (Wood;  
 Metal) .....F

**N. Y.**—Manlius  
 Cheney & Son, S. ....A

**New York City**  
 Butterick Publishing Co.  
 (Ltd.), 7 W. 18th (Paper)  
 AAAA

Demorest Pattern Co.  
 (Paper) .....X

McCall Co., 113 W. 31st  
 (Paper) .....A

**PATTERNS (Con.)**

McDowell Garment Drafting  
Mach. Co. (Paper) .....X  
Oldens Son, Geoffry J.  
(Shoe) .....E  
N. Y.—Rochester  
Rochester Last Wks. (Shoe)  
D

N. Y.—Syracuse  
Smith & Caffrey .....D  
N. Y.—Troy  
West Side Foundry Co., 3rd  
n. 28th (Wood; Metal)...A

OHIO—Canton  
Canton Foundry & Machine  
Co. ....B

OHIO—Cleveland  
Cleveland Punch & Shear  
Wks. ....A

Forrest City Brass Wks.  
(Metal) .....B  
Forrest City Foundry &  
Mfg. Co. ....A

Garry Iron & Steel Co....A  
Gobelle Pattern Co.  
(Stove) .....D

Macbeth Iron Co., 57 W.  
Center .....A  
Palmer & De Mooy Foundry  
Co. (Metal) .....A

Taylor & Boggis Foundry  
Co. (Metal) .....AA  
Wellman-Seaver-Morgan Co.  
AAAA

OHIO—Columbus  
Case Mfg. Co. ....A  
OHIO—Toledo

Baker Bros. ....A  
Donovan Wire & Iron Co.  
C

OHIO—Warren  
Trumbull Mfg. Co. ....C  
OHIO—Youngstown

Forsyth Pattern Co. (for  
Castings from ¼ lb. to  
75 tons) .....D

Mahoning Pattern Co. (all  
Kinds) .....F  
Mahoning Foundry & Ma-  
chine Co. ....A

PA.—Bloomsburg  
Harmon-Cogger Co. ....C  
PA.—Chester

Penn Pattern Wks. ....D  
PA.—Columbia  
Columbia Gray Iron Co.  
(Metal) .....D

PA.—Lancaster  
Barry & Zecher (Metal)...F  
PA.—Nazareth

Nazareth Foundry & Ma-  
chine Co. ....B  
PA.—Philadelphia

Eynon-Evans Mfg. Co., 1519  
Clearfield .....A  
Kempton & Son, C. C.  
(Shoe) .....C

Philadelphia Gear Wks., 135  
N. 7th (Wood; Metal).D  
PA.—Pittsburg

Brush & Stephens Co., 106  
Penn Av. ....D  
Carron & Co., A. M., 108  
Market (Metal) .....D

Standard Pattern Co., 3rd  
Av. & Ferry (All Kinds)  
E

PA.—South Bethlehem  
Bethlehem Foundry & Mach.  
Co. (Metal) .....C

PA.—Wrightsville  
Susquehanna Castings Co.  
(Metal) .....AA

PA.—York  
York Pattern Wks. (Metal)  
E

VA.—Richmond  
Richmond Pattern Wks.  
(Wood) .....E

**PAULINS**  
ILL.—Chicago

Carpenter & Co., Geo. B...  
AA

**PAVEMENTS**  
MD.—Baltimore

Maryland Pavement Co.  
(Concrete) .....D  
N. Y.—Brooklyn

Wilson & Baillie Mfg. Co.  
(Concrete) .....B

**PAVEMENTS (Con.)**

New York City  
Barber Asphalt Paving Co.,  
144 Liberty (Asphalt)...  
AAAA

Continental Asphalt Paving  
Co., 32 B'way (Asphalt)  
D

OHIO—Lockland  
Carey Mfg. Co., Philip  
(Asphalt) .....AAA

PA.—Philadelphia  
Krause & Son, Wm. (Arti-  
ficial Stone) .....D

**PAWLS**

MASS.—Boston  
Boston Gear Wks.  
(Ratchet) .....B

**PEACHES:**

See Canned Goods  
Dried Fruits

**PEANUTS**

FLA.—Tampa  
Crenshaw Bros. ....C  
KY.—Milldale

Weller Co., J. (Br.)....A  
MO.—St. Louis  
Bayle, Geo. A., 18 S. 2nd B  
Barnhart Merc. Co., 518  
N. 2nd .....B

St. Louis Edible Nut Co.,  
216 N. Coml. ....C  
N. C.—Weldon

Carolina Peanut Co. ....C  
N. C.—Wilmington  
American Peanut Co. ...B

Cooper, W. B. ....B  
OHIO—Cincinnati  
Shinkle, Wilson & Kreis  
Co. ....AA

PA.—Bedford  
Heckerman, H. C. ....C  
PA.—Norristown

Scheetz, Remandus .....A  
PA.—Philadelphia  
Brown & McMahon, 334 N.  
Front .....B

Lumms & Co. (Inc.), 148  
N. Del. Av. ....B  
TENN.—Britts Landing

Anchor Peanut Co. ....B  
TENN.—Nashville  
Cooley & Co., J. S. ....A

VA.—Courtland  
Bain & Co. ....B  
VA.—Franklin

Pretlow Peanut Co. ....A  
Virginia Peanut Co. ....C  
VA.—Holland

Holland Edible Nut Co....C  
Holland & Lee Co. ....A  
VA.—Norfolk

Columbian Peanut Co. ....C  
Cotton Oil & Fibre Co.  
(Peanut Oil) .....AAAA

Merchants' & Farmers'  
Peanut Co. ....B  
Norfolk-Va. Peanut Co....C

VA.—Petersburg  
Chieves & Co. ....B  
Hartley & Bro., E. A. ....B

Levy Peanut Co., M. ....C  
MacIn Peanut Co., J. H.  
C

Rodgers, McCabe & Co....A  
Petersburg Peanut Co....C  
VA.—Smithfield

Gwaltney-Bunkley Peanut  
Co. ....A  
Smithfield Peanut Co. ...B

VA.—Suffolk  
Lumms & Co. (Inc.) ...B  
Nausemond Peanut Co....C

VA.—Wakefield  
Wakefield Peanut Co. ....B  
VA.—Waverly

Waverley Peanut Co.....C

**PEARL GOODS**  
See Jewelry for Pearls &  
Imitation Pearls

MASS.—Taunton  
Taunton Pearl Wks. ....B  
N. J.—Newark

Cory & Bro., W. F. ....B

**PEARL GOODS (Con.)**  
 Huebner & Sons, O. ....O  
 N. Y.—Brooklyn  
 Union Pearl Works, 235  
 Berry .....D  
 Wengenroth, Chas. W., 176  
 N. 4th .....D  
 New York City  
 Freidman, J., 92 Spring..B  
 Juergens Bros., 83 Cham-  
 bers .....B  
 Roberts, A., 289 Centre..X  
 Wallbot, Hy., 440 Canal..D

## PEARS

See Canned Goods; Dried  
 Fruits

## PEAS

See also Canned Goods

**CAL.**—San Francisco  
 Amer. Milling Co. (Green;  
 Split, etc.) .....A  
 Capitol Mills (Green;  
 Split, etc.) .....AA  
 Hins & Plagemann (Green;  
 Split, etc.) .....B  
 Volkman & Co., C. S.  
 (Green; Split, etc.) ....C  
**CONN.**—Hartford  
 Fitzgerald, R. N. (Green;  
 Split, etc.) .....B  
**DEL.**—Seaford  
 Greenbaum & Bros.  
 (Canned) .....A  
**FLA.**—Tampa  
 Crenshaw Bros. (Green;  
 Split, etc.) .....C  
**ILL.**—Chicago  
 Dickinson Co., Albert  
 (Green; Split, etc.)...AA  
 M. O. H. Co. (The)  
 (Roasted; Cooked, etc.)..B  
**KY.**—Owensboro  
 Blue Grass Canning Co.  
 (Canned) .....B  
**MD.**—Baltimore  
 Bolgiano & Son, J. (Green;  
 Split, etc.) .....C  
 Gibbs Preserving Co.  
 (Canned) .....A  
**MICH.**—Adrian  
 Acme Preserving Co.  
 (Canned) .....D  
**MICH.**—Carsonville  
 Tellson Co., E. D. (Green;  
 Split, etc.) .....A  
**MICH.**—Jackson  
 Isbell & Co., S. M. (Green;  
 Split, etc.) .....A  
**MICH.**—Port Huron  
 McMorran Milling Co.  
 (Green; Split, etc.) ...A  
 N. Y.—Buffalo  
 Erie Preserving Co.  
 (Canned) .....AAA  
 N. Y.—Cape Vincent  
 Cape Vincent Seed Co.  
 (Ltd.) (Green; Split,  
 etc.) .....C  
 Cleveland Seed Co. (Green;  
 Split, etc.) .....A  
 New York City  
 Jackson, E. N. (Green;  
 Split, etc.) .....C  
 Miles & Holman, 19 White-  
 hall .....A  
 Wakeman & Co., Jno.  
 (Green; Split, etc.) ...A  
**OHIO**—Cleveland  
 Haserot Canneries Co.  
 (Canned) .....B  
**PA.**—Philadelphia  
 Barker & Co. (Green;  
 Split, etc.) .....O  
**VA.**—Richmond  
 Wood & Sons, T. W.  
 (Green; Split, etc.) ...B  
**WIS.**—Kewaunee  
 Kewaunee Grain Co.  
 (Green; Split, etc.) ...A  
**WIS.**—Manitowoc  
 Schuette Bros. (Green;  
 Split, etc.) .....A  
**WIS.**—Milwaukee  
 Courteen, S. G. (Green;  
 Split, etc.) .....O  
 Pierce Co., A. J. W.  
 (Green; Split, etc.) ...B  
 Wisconsin Seed Co. (Green;

**PEAS (Con.)**  
 Split, etc.) .....D

## PEAVIES

**MICH.**—Ewart  
 Champion Tool & Handle  
 Wks. (Solid Socket)...AA  
**MICH.**—Saginaw  
 Morley Bros. ....AA  
**OHIO**—Cleveland  
 Gerlach Co., Peter .....A  
**PA.**—Eldred  
 Prouty & Co., C. (also  
 Peavie Handles) .....B  
**WIS.**—Oshkosh  
 Sanford Logging Tool Co.,  
 A. ....D

## PECANS

See Nuts: Edible

## PEDALS

**CONN.**—Bridgeport  
 Bridgeport Gun Implement  
 Co. (Bicycle) .....AA  
**ILL.**—Chicago  
 Walker & Ehrman Mfg. Co.  
 (Bicycle) .....A  
**IND.**—Indianapolis  
 Leedy Mfg. Co. ....E  
**MASS.**—Worcester  
 Bay State Stamping Co.  
 (Bicycle) .....E  
 N. Y.—Buffalo  
 Forsyth Mfg. Co. (Bicycle)  
 O  
 New York City  
 N. Y. Belting & Packing  
 Co. (Bicycle; Rubber)...  
 AAA  
 N. Y.—Syracuse  
 Syracuse Arms Co. (Bicycle)  
 B  
**OHIO**—Akron  
 Goodrich Co., B. F. (Bicy-  
 cle; Rubber) .....AAAA  
**OHIO**—Cleveland  
 Federal Mfg. Co. (Bicycle)  
 AAAA  
**OHIO**—Elyria  
 Topliff & Ely Co. (Bicycle)  
 B  
**PA.**—Philadelphia  
 Faxon Co., Geo. H.  
 (Piano) .....D

## PEDESTALS

See also Woodwork; Furni-  
 ture

**CONN.**—Meriden  
 Bradley & Hubbard Mfg.  
 Co. (Metal) .....AAAA  
**IND.**—Evansville  
 Bockstege Furniture Co.  
 (Wooden) .....O  
**MD.**—Baltimore  
 Ellicott Machine Co.  
 (Shaft) .....O  
**MICH.**—Grand Rapids  
 Oriell Cabinet Co. ....AAA  
 N. J.—Trenton  
 Trenton Potteries Co..AAA  
 New York City  
 Homan Co., Andrew ....D  
 Judd & Co., H. L. (Brass)  
 AA  
**OHIO**—Cincinnati  
 Mitchell Furniture Co.  
 Robert .....AAAA  
**OHIO**—Zanesville  
 Owens Pottery Co., J. B.  
 (Jardenier) .....A  
 Zanesville Art Pottery Co.  
 (Pottery) .....B  
**PA.**—Allegheny  
 Pittsburg Lamp Brass  
 & Glass Co. (Brass)....  
 AAAA  
**PA.**—Philadelphia  
 Cresson Co., Geo. V.  
 (Shaft) .....AA  
 Smith & Co., Geo. W. ...A  
**PA.**—Wilkesbarre  
 Vulcan Iron Wks. (Shaft)  
 AAAA  
**WIS.**—Milwaukee  
 Flier & Stowell Co. (Ltd.)  
 (Shaft) .....AAA

**PEDESTALS (Con.)**  
 Meinecke & Son, A. ....AA

## PEDOMETERS

**CONN.—New Haven**  
 American Pedometer Co..F  
 New York City  
 Spaulding & Bros., A. G...  
 AAAA

## PEGS

**MASS.—Boston**  
 McCarter, J. G. (Shoe)...D  
**MASS.—Brookton**  
 Brockton Stay Co. (Shoe)  
 D

**N. H.—Bartlett**  
 Kearsarge Peg Co. (Shoe).D  
**N. H.—Lisbon**  
 Moore Peg Co. (Shoe)....F  
**N. H.—Plymouth**  
 Foster, Jacob R. (Shoe)..B  
**N. Y.—Salisbury Center**  
 Kingsley Bros. (Shoe) ...F  
**OHIO—Dayton**  
 Crawford, McGregor &  
 Canby (Shoe) .....AA

## PENCILS

For Gold Pencils see Pens:  
 Gold

**CONN.—East River**  
 Munger & Son (Slate).....C  
**MASS.—Boston**  
 Cutter-Tower Co. (Lead).B  
**MASS.—Northampton**  
 Clark's Indelible Pencil Co.  
 (Indelible) .....X  
**N. J.—Jersey City**  
 Dixon Crucible Co., Jos.  
 (Lead) .....AAA  
**N. Y.—Albany**  
 Cox Brass Mfg. Co. (Paper)  
 O

**New York City**  
 Aiken, Lambert & Co.  
 (Gold) .....A  
**Amer. Lead Pencil Co., 491**  
 B'way (Colored; Auto-  
 matic; Lead; Nickel).AA  
**Eagle Pencil Co., 377**  
 B'way (Colored; Auto-  
 matic; Copying Ink;  
 Lead; Lumber; Slate)...  
 AAA  
**Faber. Eberhard, 545 Pearl**  
 (Colored; Slate; Automati-  
 c; Lead; Lumber) ...  
 AAA

**Foley Pen Co., John (Gold)**  
 X  
**Foley, Jr., John (Gold)...**  
 D  
**Johnson & Co., E. S. (Gold;**  
 Plated; Silver) .....D  
**Keuffel & Esser Co. (Lead)**  
 AA

**Mabbie, Todd & Bard ...A**  
**Soltman, E. G., 125 E.**  
 42nd (Graphite Drawing)  
 B

**Spencerian Pen Co. (Lead)**  
 AA  
**Wetmore Co., S. H. (Caus-  
 tic) .....D**

**OHIO—Cincinnati**  
 Holland Gold Pen Co., John  
 (Automatic) .....B

**PA.—Philadelphia**  
 Blaisdell Paper Pencil Co.  
 (Paper) .....B

**R. I.—Providence**  
 Pearce & Co., F. F. ....C

**TENN.—Chattanooga**  
 American Lava Co. (Slate)  
 D

**Steward Mfg. Co., D. M.**  
 (Slate) .....B

## PENDANTS

See also Jewelry

**ILL.—Chicago**  
 Baggot Co., E. (Gas) ...D  
**Edwards Mfg. Co., W. S.**  
 (Gas) .....A

**MASS.—Boston**  
 Ripley-Howland Mfg. Co.  
 (Jewelry) .....A

## PENDANTS (Con.)

**N. J.—Bound Brook**  
 Standard Gas Fixture Co.  
 (Harp) .....B

**N. J.—Newark**  
 Block & Bergfels (Jewelry)  
 B

**Durand & Co. (Inc.)**  
 (Jewelry) .....AA

**Hedges & Co., A. J. (Jew-  
 elry) .....A**

**N. Y.—Brooklyn**  
 Vosburgh Mfg. Co., W. C.  
 (Ltd.) (Gas) .....X

**New York City**  
 Alling & Co. (Jewelry)...  
 AA

**Ansonia Brass & Copper Co.**  
 (Gas) .....AAAA

**Frink, I. P. (Gas) ...AA**  
**Gleason Mfg. Co., E. P.**  
 (Gas) .....B

**Mitchell-Vance Co. (Gas)...**  
 AA

**Rothschild Bros. (Jewelry)**  
 C

**Sloan & Co. (Jewelry) ...B**  
**R. I.—Providence**  
 Corry & Reynolds (Jewelry)  
 C

**Fowler Bros. (Jewelry) ..C**  
**Hancock Co., Chas. E.**  
 (Jewelry) .....B

**Moorhead & Co., R. L.**  
 (Jewelry) .....B

**Wall & Co., A. T. (Jewelry)**  
 C

**WALL & CO., A. T. (Jewelry)**  
 C

**WALL & CO., A. T. (Jewelry)**  
 C

**WALL & CO., A. T. (Jewelry)**  
 C

**WALL & CO., A. T. (Jewelry)**  
 C

**WALL & CO., A. T. (Jewelry)**  
 C

**WALL & CO., A. T. (Jewelry)**  
 C

**WALL & CO., A. T. (Jewelry)**  
 C

**WALL & CO., A. T. (Jewelry)**  
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**WALL & CO., A. T. (Jewelry)**  
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**WALL & CO., A. T. (Jewelry)**  
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**WALL & CO., A. T. (Jewelry)**  
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**WALL & CO., A. T. (Jewelry)**  
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**WALL & CO., A. T. (Jewelry)**  
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**WALL & CO., A. T. (Jewelry)**  
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**WALL & CO., A. T. (Jewelry)**  
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**WALL & CO., A. T. (Jewelry)**  
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**WALL & CO., A. T. (Jewelry)**  
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**WALL & CO., A. T. (Jewelry)**  
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**WALL & CO., A. T. (Jewelry)**  
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**WALL & CO., A. T. (Jewelry)**  
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**WALL & CO., A. T. (Jewelry)**  
 C

**WALL & CO., A. T. (Jewelry)**  
 C

**WALL & CO., A. T. (Jewelry)**  
 C

**WALL & CO., A. T. (Jewelry)**  
 C

**PENS (Con.)**  
 Blair's Fountain Pen Co.,  
 163 B'way (Fountain)...F  
 Crawford, John (Gold)...D  
 Caws Pen & Ink Co., 163  
 B'way (Fountain; Gold;  
 Stylographic) .....D  
 Diamond Point Pen Co., 102  
 Beekman (Fountain;  
 Gold; Stylographic) ....C  
 Eagle Pencil Co., 377  
 B'way (Fountain; Gold;  
 Steel; Stylographic) ....  
 AAA  
 Faber, Eberhard, 545 Pearl  
 (Gold Fountain) ....AAA  
 Fairchild & Johnson Co.  
 (Gold) .....D  
 Foley Pen Co., John (Foun-  
 tain; Stylographic) ....X  
 Frazer & Geyer Co., 22  
 Thames (Fountain) ...D  
 Heath, & Co., Geo. W.  
 Thames & Greenwich  
 (Fountain) .....D  
 Hicks Sons, Wm. S., 235  
 Greenwich (Gold Pencils)  
 B  
 Holmes & Sons, F. W., 95  
 Cliff (Gold) .....B  
 Johnson & Co., E. S., 178  
 B'way (Fountain; Gold)..  
 D  
 Mable, Todd & Bard, 130  
 Fulton (Fountain; Gold)  
 A  
 Shipman, Asa L. (Stylo-  
 graphic) .....B  
 Spencerian Pen Co. (Steel)  
 AA  
 Todd & Co., Edw. (Gold).C  
 Ullrich & Co., J. (Foun-  
 tain; Stylographic) ...D  
 Waterman & Co., A. A., 22  
 Thames (Fountain) ....D  
 Waterman Co., L. E., 193  
 B'way (Fountain) ....A  
**OHIO—Cincinnati**  
 Holland Gold Pen Co., Jno.  
 (Fountain; Gold) .....B  
 Park Specialty Co.  
 (Stylographic) .. .X  
 Weidlich, O. E., Nevada  
 Bldg. (Stylographic) ..C  
**OHIO—Columbus**  
 Aaron Pen Co. (The), D. C.  
 (Steel Writing) .....D  
**OHIO—Toledo**  
 Standard Pen Co., Spitzer  
 Bldg. (Fountain) .....F  
**PA.—Bloomersburg**  
 Wirt, Paul E. (Fountain)  
 A  
**PA.—Harrisburg**  
 Hickok Mfg. Co., W. O.  
 (Ruling) .....AA  
**PA.—Huntingdon**  
 Blair Co., J. C. (Steel).AA  
**PA.—Philadelphia**  
 Alteneider & Son, Theo.  
 (Ruling) .....D  
 Franklin Fountain Pen Co.,  
 51 N. 10th (Fountain).D  
 Phila. Novelty Co. (Foun-  
 tain) .....D  
 Turner & Harrison Pen  
 Mfg. Co. (Steel Writing)  
 B  
**PA.—Pittsburg**  
 Safety Fountain Pen Co.  
 (Fountain) .....X  
**R. I.—Providence**  
 Cross, A. T., 53 Warren  
 (Fountain; Gold) .....O  
 Pearce & Co., F. T. (Foun-  
 tain; Gold) .....C  
**WIS.—Janesville**  
 Parker Pen Co. (Fountain)  
 A  
**WIS.—Whitewater**  
 Century Pen Co. (Fountain)  
 F

## PENSTOCKS

**ILL.—Batavia**  
 U. S. Wind Engine &  
 Pump Co. ....AA  
**MD.—Baltimore**  
 Pool Engineering & Mach.  
 Co. (for Water Wheels)..  
 AA  
**MASS.—Boston**  
 Atlantic Wks. (Turbine

**PENSTOCKS (Con.)**  
 Wheel) .....AA  
 Stearns Lumber Co., A. T.  
 (Wood) .....AA  
**MASS.—Cambridge**  
 Kendall & Sons, Edw....AA  
**MASS.—Holyoke**  
 Walsh's Holyoke Steam  
 Boiler Wks. ....D  
**MASS.—Lawrence**  
 Stafford & Son, Wright..F  
**MASS.—Lowell**  
 Scannell Boiler Wks. (Tur-  
 bine Wheel) .....B  
**MASS.—Orange**  
 Hunt, Rodney Mach Co...A  
**MASS.—Springfield**  
 Walsh Boiler & Iron Wks.  
 X  
**MICH.—Saginaw**  
 Wickes Bros. ....AAA  
**N. H.—Keene**  
 Humphrey Machine Co. ...C  
**OHIO—Cincinnati**  
 Amer. Valve & Meter Co.  
 A  
**OHIO—Dayton**  
 Dayton Globe Iron Wks. Co.  
 B  
 Gem City Boiler Co. ....B  
**OHIO—Springfield**  
 Leffel & Co., Jas. (Turbine  
 (Wheels) .....AA  
 Trump Mfg. Co. (Turbine  
 Wheel) .....A  
**OHIO—Youngstown**  
 Pollock Co., Wm. B. ....AA  
**PA.—Pittsburg**  
 Carroll, Porter Boiler &  
 Tank Co., Empire Bldg..B  
 Ritter-Conley Mfg. Co., 55  
 Water (Turbine Wheel)..  
 AAA  
 Scaife & Sons Co., Wm. B.  
 AAA  
**PA.—Warren**  
 Struthers-Wells Co. ....AA  
**PA.—Washington**  
 Petroleum Iron Wks. Co..A  
**PA.—Williamsport**  
 Keeler Co., E. ....A  
**VT.—Fair Haven**  
 Dalrymple, Geo. (Wrought  
 Steel) .....E  
**VT.—Rutland**  
 Holmes & Co., J. H. ....B  
**WIS.—Cudahy**  
 Power-Mining Machinery  
 Co. ....AAA

## PEPPER

See Teas; Coffees & Spices

## PEPSIN

**ILL.—Chicago**  
 Armour Co. ....AAAA  
 Cudahy Packing Co..AAAA  
**MD.—Baltimore**  
 Burrough Bros. Mfg. Co..A  
**MASS.—Cambridge**  
 Thayer & Co., Henry ....A  
**MICH.—Detroit**  
 Parke, Davis & Co. ....AAAA  
 Ray Chemical Co. ....B  
 Stearns & Co., Fred. ....AA  
 New York City  
 Fairchild Bros. & Foster  
 (Inc.) .....AA  
 McKesson & Robbins.AAAA  
 Schieffelin & Co., W. H...  
 AA  
**OHIO—Cincinnati**  
 Merrell Chemical Co., Wm.  
 S. ....AAA  
**PA.—Ambler**  
 Keasby & Mattison Co....  
 AAAA  
**PA.—Philadelphia**  
 Penn Chemical Wks. ....AA  
 Smith, Kline & French Co.  
 AAA

## PERAMBULA- TORS

See Carriages: Baby

## PERCALES

See Cotton Goods



## PERCOLATORS

**CONN.—Meriden**  
Manning, Bowman & Co.  
(Coffee) .....AA  
**ILL.—Chicago**  
Pelouze Scale & Mfg. Co.,  
118 W. Jackson Boul.  
(Coffee) .....C  
**MICH.—Detroit**  
Cotton, Arthur (Pharmaceu-  
tical) .....C  
**N. J.—Burlington**  
Stewart & Peterson Co....A  
**New York City**  
Sternau & Co., S., 204  
Church .....A

## PERFORATORS

See also Protectors

**ILL.—Chicago**  
Cummins Co., B. F., 42 W.  
Jackson Boul. (Check)...C  
Tengwall File & Ledger Co.  
(Paper) .....B  
**New York City**  
Wesley Mfg. Co., 31 Beek-  
man (Check) .....X  
**OHIO—Cincinnati**  
Globe-Werneck Co. (Paper)  
AAAA  
**PA.—Harrisburg**  
Hickok Mfg. Co., W. O.  
(Hand) .....AA  
**PA.—Philadelphia**  
Hill Mfg. Co., B. B., 1020  
New Market (Ticket) ..B  
Ott, Geo. F., 207 Button-  
wood (Iron) .....A

## PERFUMERY

**ILL.—Chicago**  
Kirk Bros. ....F  
Wrisley Co., Allen B., 485  
5th Av. ....X  
**MD.—Baltimore**  
McCormick & Co. ....D  
**MICH.—Detroit**  
Seeley Mfg. Co. ....C  
Stearns & Co., Fred....AAA  
Wright & Co., Chas....X  
**MO.—St. Louis**  
Eddy & Eddy, 500 Main..A  
Koken Barbers' Supply Co.  
A  
**N. Y.—Buffalo**  
Larkin Co. ....AAAA  
**New York City**  
Caswell, Massey & Co....X  
Colgate & Co. ....AAAA  
Eureka Soap Co., 382 Bway.  
AA  
Hall & Ruckel, 215  
Washington .....AAAA  
Ladd & Coffin (Colognes)  
AA  
Lazell, Dalley & Co.  
(Colognes) .....A  
McKesson & Robbins.AAAA  
Palmer, Solon .....D  
Perfume Tablet Co., 10 E.  
23rd .....X  
Ricksecker Co., Theo., 74  
Reade .....C  
Riker & Son Co., Wm. B.  
AA  
Tappan, H. ....AA  
Tarrant & Co. (Inc.) ....D  
**N. Y.—Rochester**  
Wright, Alfred .. ....A  
**OHIO—Cincinnati**  
Freeman Perfume Co....D  
**OHIO—Dayton**  
Sachs-Pruden Ginger Ale  
Co. ....D  
**OHIO—Findlay**  
Happer Extract & Perfume  
Co. ....F  
**OHIO—Toledo**  
Lorenz Co., Geo. ....D  
**PA.—Lancaster**  
Pennsylvania Soap Co.AAA  
**PA.—Philadelphia**  
Clauson Co. ....C  
Smith, Kline & French Co.  
AAA  
Tetlow, Joseph, 101 Cherry  
A  
Valle Bros. ....C

## PEROXIDE

**New York City**  
American Peroxide & Chem.  
Co., 88 Maiden Lane ..C

## PESSARIES

**ILL.—Chicago**  
Huston Bros., 35 Rand...F  
**MASS.—Andover**  
Tyer Rubber Co. (Rubber)  
AA  
**MASS.—Boston**  
Davidson Rubber Co. (Rub-  
ber) .....A  
**N. J.—Trenton**  
Stokes Rubber Co., Jos.  
(Truss) .....A  
**New York City**  
Goodyear's India Rubber  
Glove Mfg. Co. (Rubber)  
AAAA  
Parker, Stearns & Sutton  
B  
**OHIO—Akron**  
Akron Rubber Co. (Rubber)  
AAAA  
Miller Rubber Mfg. Co.  
(Rubber) .....B  
**PA.—Philadelphia**  
Horn & Bro., Wm. H.  
(Rubber) .....B  
Phila. Truss & Bandage Co.  
(Rubber; Spiral Spring).  
X  
Seeley, Isaac B. (Rubber)  
F  
Ware Co., Walter F. ....B  
Whitall, Tatum & Co.  
(Spiral Spring) ..AAAA  
B. I.—Providence  
Daval Rubber Co. ....AA

## PETROLATUM

**MD.—Baltimore**  
McCormick & Co. ....D  
**N. Y.—Binghamton**  
Binghamton Oil Refining  
Co. ....A  
**New York City**  
Cheesbrough Mfg. Co. ....  
AAAA  
Colgate & Co. ....AAAA  
Schieffelin & Co., W. H..  
AA  
**OHIO—Cleveland**  
Atlantic Refining Co. ..A  
Monitor Oil Co. ....C  
**PA.—Freedom**  
Freedom Oil Wks. Co....A  
**PA.—Philadelphia**  
Crew, Levick Co., 113 Arch  
AAA

## PETROLEUM

**N. Y.—Buffalo**  
Merchants' Refining Co...C  
**New York City**  
Born, Schrymser & Co....A  
Columbia Oil Co., 13 Wil-  
liam .....A  
Standard Oil Co., 26 B'way  
AAAA  
Tidewater Oil Co. (Crude)  
AAAA  
**OHIO—Cleveland**  
Canfield Oil Co. ....A  
Clark Co., Fred. G. ....A  
Climax Refining Co., Wil-  
liamson Bldg. ....D  
National Refining Co....  
AAA  
**OHIO—Toledo**  
Paragon Refining Co. ...AA  
Sun Oil Co. ....AAA  
**PA.—Allegheny**  
Millers' Sons Co., A. D...B  
**PA.—Bradford**  
Barnsdall, Theo. N.  
(Crude) .....AAAA  
Bisett Bros. (Crude)....C  
Cochrane, Jas. E. (Crude)  
B  
Coleman, Penny & Boyne  
(Crude) .....B  
Collins, C. P. (Crude).AA  
Devonian Oil Co. (Crude)  
AA  
Edgett, A. J. (Crude)...O  
Emery, Jr., L. (Crude)....  
AAAA

**PETROLEUM (Con.)**  
Emery Oil Co. (Crude).....  
AAAA

Haskell, J. E. (Crude)...A  
Healey, J. H. (Crude)...B  
Jones, J. T. (Crude).....  
AAAA

Kennedy & Co., W. C.  
(Crude) .....AAAA  
Lavens, C. H. (Crude)...B  
Mallory, L. E. (Crude)...B  
Potter, Geo. H. (Crude)...B  
Quintuple Oil Co. (Crude)  
AAAA

Thompson, T. P. (Crude).A  
PA.—Emlenton  
Emlenton Refining Co....AA  
PA.—Franklin  
Atlantic Refining Co. ....  
AAAA

PA.—Freedom  
Freedom Oil Wks. ....A  
PA.—Oil City  
Continental Refining Co. ....  
(Ltd.) .....A

Crystal Oil Wks. ....A  
Empire Oil Wks. ....A  
Germania Refining Co. ...A  
Independent Refining Co.  
(Ltd.) .....AA

Penn Refining Co. ....A  
PA.—Philadelphia  
Pure Oil Co., Manhattan  
Bldg. ....AAAA

Union Petroleum Co., 188  
S. 4th .....AA  
PA.—Pittsburg  
Guffey Petroleum Co., J.  
M., Frick Bldg. (Crude).  
AAAA

Gulf Refining Co. ....AA  
Haslewood Oil Co. ....AA  
Pittsburg Oil Refining Co.,  
429 1st Av. ....A

Sun Co. ....AA  
Waverly Oil Works ....AA  
PA.—Titusville  
Amer. Oil Wks. (Ltd.)...A  
McKinney Bros. (Crude)...  
AAAA

Rice Soap Co. (Crude)...C  
Titusville Oil Works ....A  
PA.—Warren  
Conewango Refining Co...B  
Cornplanter Refining Co...  
AA

Crew-Levick Co. ....AA  
Smith, Levi .....A  
Superior Oil Works .....C  
Wilburine Oil Wks. (Ltd.)  
AAA

**PETTICOATS**  
See Clothing: Ladies'

**PEWS**  
ILL.—Chicago  
Evans & Co., R. O., 210  
Madison (Church) ....A  
IOWA—Charles City  
Smith & Co., Geo. P.  
(Church) .....D

N. Y.—Brooklyn  
Brooklyn Furniture Co.  
(Church) .....A  
New York City  
Lamb, J. & B., 59 Carmine  
(Church) .....D

**PHAETONS**  
See Carriages & Wagons

**PHONO-**  
**GRAPHS**  
ILL.—Chicago  
Lambert & Co., 12 Sherman  
D  
Talking Machine Co., 107  
W. Madison .....B  
N. J.—Orange  
Edison Phonograph Wks...  
AA

National Phonograph Co.,  
83 Chambers .....AAAA  
New York City  
Amer. Graphophone Co. ...  
AAAA  
Columbia Phonograph Co..A

**PHONO-**  
**GRAPHS**  
ILL.—Chicago  
Lambert & Co., 12 Sherman  
D  
Talking Machine Co., 107  
W. Madison .....B  
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**GRAPHS**  
ILL.—Chicago  
Lambert & Co., 12 Sherman  
D  
Talking Machine Co., 107  
W. Madison .....B  
N. J.—Orange  
Edison Phonograph Wks...  
AA

**PHONOGRAPHS (Con.)**  
Edison Phonograph Agency  
D

PA.—Philadelphia  
Penn Phonograph Co., 19 S.  
9th .....D

**PHOSPHATE**  
See Fertilizers

**PHOSPHATE:**  
**ACID, CHERRY,**  
**ETC.**

ILL.—Chicago  
Thompson Phosphate Co.,  
404 Ogden Av. ....B  
Victor Chemical Wks.,  
Board of Trade .....AA

MD.—Baltimore  
Crawford Co., W. H., 112  
S. Gay .....E  
Thomsen Chem. Co., Equita-  
ble Bldg. ....B

MASS.—Natick  
Ford Cherry Phosphate Co.  
(Wild Cherry) .....F  
MICH.—Detroit  
Detroit Chem. Works, 238  
Junction Av. (Lime) ..B

N. Y.—Kingston  
Ceres Chem. Co. (for  
Bakg. Powder) .....D  
New York City  
Burnham Co., E. S., 61  
Gansevoort (Wild Cherry)  
B

Maas & Waldstein, 107  
Murray .....A  
Williamson & Co., D. D.,  
14 Dey .....B

R. I.—Providence  
Rumford Chem. Works ...  
AAA  
WIS.—Waukesha  
Jaynes Bros. (Wild Cherry)  
D

**PHOSPHOR-**  
**IZERS**  
PA.—Pittsburg  
McCullough-Dalsell Crucible  
Co. (Brass Foundry)....A

**PHOSPHORUS**  
New York City  
General Chemical Co., 25  
Broad .....AAAA  
Riker, J. L. & D. S., 46  
Cedar .....A

PA.—Easton  
Baker & Adamson Chemical  
Co. ....A  
PA.—Philadelphia  
Allen's Sons, J. J., Bourse  
Bldg. ....AA  
Crescent Phosphorized Metal  
Co. ....D  
General Chemical Co....  
AAAA

**PHOTO-**  
**GRAVURES**  
MASS.—Springfield  
Tabel-Prang Art Co. ...AA  
N. Y.—Buffalo  
Gies & Co. ....AAA  
New York City  
Ringler Co., F. A. ....A

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Tabel-Prang Art Co. ...AA  
N. Y.—Buffalo  
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Tabel-Prang Art Co. ...AA  
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Ringler Co., F. A. ....A

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Ringler Co., F. A. ....A

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MASS.—Springfield  
Tabel-Prang Art Co. ...AA  
N. Y.—Buffalo  
Gies & Co. ....AAA  
New York City  
Ringler Co., F. A. ....A

**PHOTOMETERS (Con.)**

Av. & 47th ..... B  
 Connelly Iron Sponge &  
 Governor Co. (Gas) .... B  
 National Meter Co. .... A  
 PA.—Philadelphia  
 Helme & McIlhenny .... AA

**PIANOS**

**COLO.**—Denver  
 Knight-Locke Piano Co. ... A  
**CONN.**—Derby  
 Sterling Co. .... AA  
**CONN.**—New Haven  
 Matushek Piano Mfg. Co.  
 AA  
 Shoninger Co., B. .... AAA  
 Sonnenberg Piano Co., M.  
 A  
**GA.**—Atlanta  
 Phillips & Crew Co. .... A  
**ILL.**—Chicago  
 Bent, Geo. P., 211 Wabash  
 Av. .... AAA  
 Cable Co., 240 Wabash Av.  
 AAAA  
 Detmer, Henry, 337 Wabash  
 Av. .... A  
 Kimball Co., W. W., 26th  
 & Rockwell ..... AAAA  
 Moore Organ Co. .... A  
 Newman Bros. Co., Chicago  
 Av. & Dix ..... A  
 Price & Teeple Co., 206  
 Wabash Av. .... A  
 Schaeffer Piano Mfg. Co.,  
 215 Wabash ..... A  
 Schulz Co., 373 Milwaukee  
 Av. .... AA  
 Singer Piano Co., 235 Wa-  
 bash Av. .... A  
 Smith & Barnes Piano Co.,  
 471 Clybourn Av. .... AAA  
 Steger & Sons Piano Mfg.  
 Co., 225 Wabash Av. ... AAA  
 Story & Clark Co., 255 Wa-  
 bash Av. .... AA  
**ILL.**—Oregon  
 Schiller Piano Co. .... A  
**ILL.**—Ottawa  
 Western Cottage Piano &  
 Organ Co. .... AAA  
**ILL.**—Rockford  
 Haddorf Piano Co. .... AA  
**IND.**—Fort Wayne  
 Packard Co. .... AA  
**IND.**—New Castle  
 Krell-French Piano Co. ... AA  
**IND.**—Richmond  
 Starr Piano Co. .... AA  
**KY.**—Dayton  
 Harvard Piano Co. .... AAAA  
**MASS.**—Boston  
 Champion & Co., Geo. H.,  
 118 Fremont ..... A  
 Chickering & Sons, 791  
 Fremont ..... AAAA  
 Emerson Piano Co., 120  
 Boylston ..... AA  
 Ivers & Pond Piano Co., 114  
 Boylston ..... AA  
 McPhail Piano Co., A. M.,  
 120 Boylston ..... A  
 Miller & Sons Piano Co.,  
 H. F., 88 Boylston ... A  
 Vose & Sons Piano Co., 158  
 Boylston ..... AA  
**MASS.**—Cambridge  
 Mason & Hamlin Co. ... A  
**MD.**—Baltimore  
 Knabe & Co., Wm. .... AAA  
**MICH.**—Ann Arbor  
 Ann Arbor Organ Co. ... A  
**MICH.**—Detroit  
 Clough & Warren Co. ... A  
**MICH.**—Muskegon  
 Chase-Hackley Piano Co. ... A  
**MICH.**—Saginaw  
 Germain Piano Co., E. AA  
**MO.**—St. Louis  
 Bollman Bros. Piano Co.,  
 1120 Olive ..... AA  
 French Piano & Organ Co.,  
 J. .... AAAA  
 Kieselhorst Piano Co. ... A  
**N. J.**—Washington  
 Cornish Co. .... AA  
**N. Y.**—Auburn  
 Wegman Piano Co. .... A  
**N. Y.**—Brockport

**PIAVOS (Con.)**

Brockport Piano Mfg. Co.,  
 A  
**N. Y.**—Brooklyn  
 Smith, F. G. .... AAA  
 Wissner, Otto, 1078 Atlan-  
 tic Av. .... AA  
**N. Y.**—Buffalo  
 Kurtzmann & Co., C. .... A  
 New York City  
 Cable & Sons, 554 W. 38th  
 A  
 Decker & Sons, 971 E.  
 135th ..... A  
 Doll & Son, Jacob, 92 5th  
 Av. .... AA  
 Fischer, J. & C., 417 W.  
 28th ..... AA  
 Gabler & Bro., Ernest, 109  
 E. 107th ..... AA  
 Hardman, Peck & Co., 138  
 5th Av. .... AA  
 Hazleton Bros., 66 Uni-  
 versity Pl. .... A  
 Kohler & Campbell, 601 W.  
 50th ..... A  
 Kranich & Bach, 235 E.  
 23rd ..... AA  
 Kroeger Piano Co., 81  
 Alex Av. .... A  
 Needham Piano & Organ  
 Co., 96 5th Av. .... A  
 Pense Piano Co., 128 W.  
 42nd ..... A  
 Schubert Piano Co., 1 W.  
 139th ..... A  
 Sohmer & Co., 170 5th Av.  
 AA  
 Steinway & Sons, 109 E.  
 14th ..... A  
 Tonk & Bro., Wm., 452  
 10th Av. .... A

*Manufacturers of Ern-  
 est A. Tonk Piano, an  
 instrument of extraor-  
 dinary tone quality, ele-  
 gant in design and finish,  
 extraordinary durability,  
 especially constructed for  
 extreme climates—export  
 a specialty.*

Waters & Co., Horace, 134  
 5th Av. .... A  
 Weber Piano Co., 105 5th  
 Av. .... AA  
 Weser Bros., 149 W. 33rd  
 A  
**N. Y.**—Rochester  
 Armstrong Piano Co. .... A  
 Foster-Armstrong Co. ... AA  
 Gibbons & Stone ..... A  
 Marshall & Wendell Piano  
 Co. .... A  
 Martin & Bro., J. W. .... A  
**OHIO**—Cincinnati  
 Baldwin & Co., D. H. .... A  
 Krell Piano Co. .... A  
 Smith & Nixon Piano Mfg.  
 Co. .... A  
**OHIO**—Norwalk  
 Chase Co., A. B. .... AA  
**PA.**—Easton  
 Lehr & Co., H. .... A  
**PA.**—Lebanon  
 Miller Organ & Piano Co. ... A  
**PA.**—Philadelphia  
 Blasius & Sons, 1101 Chest-  
 nut ..... AA  
 Cunningham Piano Co., 1105  
 Chestnut ..... A  
 Lester Piano Co., 1308  
 Chestnut ..... AA  
**PA.**—Scranton  
 Van Dyke Piano Mfg. Co.  
 A  
**PA.**—York  
 Weaver Organ & Piano Co.  
 AA

**PICKAROONS**

**MICH.**—Ewart  
 Champion Tool & Handle  
 Wks. .... AA  
 Ewart Tool Co. .... D

**PICKERS**

**CONN.**—Bridgeport  
 Acme Shear Co. (Flower;

- PICKERS (Con.)**  
 Fruit) .....B  
**CONN.—Danbury**  
 Helm Machine Co. (Blower) .....D  
**CONN.—Danielsonville**  
 Jacobs Mfg. Co., E. H. (Loom) .....B  
**CONN.—Georgetown**  
 Gilbert & Bennett Mfg. Co. (Fruit) .....AAA  
**ILL.—Canton**  
 Parlin & Orendorff Co. (Potato, & Diggers) .....AAAA  
**MAINE—Saco**  
 Garland Mfg. Co. ....C  
**MASS.—Dedham**  
 Abbott Mfg. Co., J. V. (Loom) .....D  
**MASS.—Fall River**  
 Union Belt Co. (Loom) ...B  
**MASS.—Franklin**  
 Clark Mach. & Foundry Co. (Rag; Shoddy; Wool) ...X  
 Milliken & Son, W. (Loom) .....D  
**MASS.—Lawrence**  
 Barlow Co., Jno. W. (Loom) .....E  
**MASS.—Lowell**  
 Dodge, C. S. (Rag; Shoddy) .....D  
 Gates & Sons, Josiah (Loom) .....X  
 Kimball, L. S. (Loom) ...X  
 Kitson Mach. Co. (Rag; Shoddy) .....AAA  
 Stott, S. E. & T. (Rag; Shoddy) .....X  
**MASS.—New Bedford**  
 Pickles, Joseph (Loom) ..F  
**MASS.—Newton Upper Falls**  
 Saco & Pettie Mach. Shop .....AAA  
**MASS.—Westfield**  
 Crane Bros. (Loom) ..AAA  
**MASS.—Westford**  
 Sargent's Sons, C. G. (Burr) .....A  
**MASS.—Whitinsville**  
 Whitin Mach. Co. ....AAAA  
**MASS.—Worcester**  
 Cleveland Mach. Wks. ....A  
 Crompton & Knowles Loom Wks. (Loom) .....AAAA  
 Curtis & Marble Mach. Wks. (Burr; Wool) ....A  
 Parker Wire Goods Co. (Flower; Fruit) .....B  
 Wire Goods Co. (Flower; Fruit) .....A  
**MICH.—Pontiac**  
 Bacon Mfg. Co. (Bean) ...X  
**N. J.—Bellefonte**  
 Atlas Foundry & Mach. Co. (Burr; Hair) .....D  
**N. Y.—Middleport**  
 Knapp, E. (Bean) .....E  
 New York City  
 Hungerford Bros. & Co. (Peanut) .....B  
**N. Y.—Rochester**  
 Streeter Co., N. R. (Flower) .....A  
**N. Y.—Utica**  
 Williams Co., J. H. (Loom) .....A  
**OHIO—Akron**  
 Akron Belting Co. (Loom) .....A  
**OHIO—Cincinnati**  
 Day & Co., J. H. (Hair) ..A  
**OHIO—Clyde**  
 Clyde Cutlery Co. (Grape).O  
**PA.—Philadelphia**  
 Darby & Sons, Edward, 233 Arch (Fruit) .....A  
 Phila. Textile Machry. Co., Hancock & Somerset...AA  
 Schofield Co., Wm. (Rag; Shoddy) .....B  
 Smith Woolen Machry. Co., Jas., 411 Race (Burr; Loom; Rag; Shoddy; Wool) .....AA  
**R. I.—Pawtucket**  
 Atherton Mach. Co., A. T. ....B  
**R. I.—Providence**  
 Brown Bros. Co. (Loom) ..B
- PICKERS (Con.)**  
 Burgess & Sons, A. (Loom) .....X  
 Holbrook, A. & C. W. (Loom) .....B  
**R. I.—Woonsocket**  
 Coburn, Fred. S., 243 Main (Loom) .....X  
 Wilkins Mfg. Co., 14 S. Main (Cotton Filled)...X
- PICKETS**  
 See also Fences; Lumber
- ILL.—Chicago**  
 Barbee Wire & Iron Wks. (Malleable) .....B  
 Braun, J. G., 322 S. Paulina (& Rosettes, Steel).A  
**N. Y.—Albany**  
 Clark, Jno. W. (& Rosettes, Iron) .....D  
 New York City  
 Eckstein, Chas. G., 249 Centre (& Rosettes, Iron)..D  
**PA.—Chester**  
 Keystone Drop Forge Wks. (& Rosettes, Drop Forged Iron) .....B  
**PA.—Pittsburg**  
 Oliver Iron & Steel Co. (Steel Fence) .....AAAA  
**WIS.—So. Milwaukee**  
 Stowell Mfg. & Foundry Co. (& Rosettes, Iron) .....A
- PICKLES**  
 See Cider; Vinegar, etc.
- PICKS**  
 See also Toothpicks
- CAL.—San Francisco**  
 Doble Co., Abner (Stone).A  
**CONN.—Chester**  
 Bates, C. J. (Tooth; Alaska Ivory) .....D  
**CONN.—Deep River**  
 Williams & Marvin Mfg. Co. (Ice) .....D  
**CONN.—Meriden**  
 Meriden Britannia Co. (Nut) .....AAAA  
 Meriden Cutlery Co. (Nut) .....AA  
**CONN.—New Britain**  
 Landers, Frary & Clark (Ice; Nut) .....AAA  
**CONN.—New Haven**  
 Harrison, Leonard D. (Mill) .....H  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co. (Ice) .....AAAA  
**CONN.—Unionville**  
 Humphrey, H. W. (Ice)...D  
**CONN.—Wallingford**  
 Simpson, Hall, Miller & Co. (Nut) .....AAAA  
 Wallace & Sons Mfg. Co., E. (Nut) .....AAAA  
**CONN.—West Port**  
 Bradley's Sons, G. W. (Mill) .....D  
**ILL.—Chicago**  
 Amer. Cutlery Co. (Nut) AA  
 Cassaday-Fairbank Mfg. Co. (Ice; Nut) .....C  
 Higgins & Son, Jno. C., 169 W. Kinzie (Mill) .....E  
 Nicol & Co. (Ice) .....D  
 Union Drop Forge Co., 68 E. Ohio (Clay; Contractors'; Drifting; Mining; Railroad; Tamping) ..A  
**ILL.—Freeport**  
 Arcade Mfg. Co. (Ice) ....A  
 Redlinger, M. (Bung) ...F  
 Stover Mfg. Co. (Ice) ...AA  
**IND.—Evansville**  
 Evansville Tool Wks. (Mill; Mining; Poll; Railroad; Stone) .....A  
**IND.—Frankfort**  
 Frankfort Handle Mfg. Co. (Railroad) .....E  
**IND.—Indianapolis**  
 Nordyke & Marmon Co. (Mill) .....AAA

**PICKS (Con.)****IOWA—Ottumwa****Hardsocg Mfg. Co. (Drifting)**.....B**MASS.—Boston****Cutter-Tower Co. (Tooth; Wood)**.....B**Harvey, H. H., 606 Atlantic Av. (Mill; Railroad; Stone)**.....D**Isele & Son, G. W. (Contractors'; Railroad; Stone)**...F**MASS.—Brookton****Tuck Mfg. Co. (Ice)**.....E**MASS.—Fiskdale****Snell Mfg. Co. (Ice)**.....B**MASS.—Northampton****Northampton Cutlery Co. (Nut)**.....A**MASS.—Shelburne Falls****Lamson & Goodnow Mfg. Co. (Nut)**.....A**Mayhew Co., H. H. (Ice)**...D**MASS.—Turners Falls****Russell Cutlery Co., John (Nut)**.....AA**MASS.—West Mansfield****Standard Tool Co. (Ice)**...H**MICH.—Detroit****Anderson & Sons, W. H. (Clay; Contractors'; Drifting; Mill; Mining; Railroad; Stone; Surface; Tamping)**.....C**N. J.—Mahwah****Amer. Brake Shoe & Foundry Co. (Coal)**.....A**N. J.—Newark****Atha Tool Co. (Contractors'; Mill; Railroad; Stone)**...A**Osborne & Co., C. S. (Ice)**...B**N. Y.—Albany****Troy Nickel Wks. (Jno. E. Gaitley, Prop.) (Nickel Plated Ice; & Breakers)**.....O**N. Y.—Brooklyn****Pollard, Jos. G., 141 Raymond (Contractors'; Mill; Railroad)**.....F**N. Y.—Buffalo****Noye Mfg. Co., John T. (Mill)**.....X**N. Y.—Elmira****Oronk & Carrier Mfg. Co. (Ice)**.....B**N. Y.—Herkimer****Quackenbush, H. M. (Nut)**.....A**New York City****Amer. Axe & Tool Co., 253 B'way (Railroad; Stone)**.....AAAA**Carey, Samuel (Mill)**.....C**Grote & Co., F. (Tooth; Ivory)**.....D**International Silver Co. (Nut)**.....AAAA**Judd & Co., H. L. (Nut)**...AA**Koppel, Arthur, 68 Broad (Contractors'; Railroad)**...A**Leavitt & Co., C. W., 15 Cortlandt (Contractors'; Railroad)**.....D**Sargent & Co. (Ice)**.....AAAA**Smith & Hemenway (Ice)**...D**Wabusch & Hilger**.....A**N. Y.—Rochester****Tisserand Mfg. Co., Essex Bldg. (Tooth)**.....F**N. Y.—Troy****Palmer Hardware Mfg. Co. (Ice)**.....D**OHIO—Cleveland****Fanner Mfg. Co. (Ice)**...A**Federal Mfg. Co., Amer. Trust Bldg. (Ice; Nut)**...AAAA**OHIO—Dayton****Dayton Malleable Iron Co. (Malleable Iron; Points; Ore; Case Hardened; Locomotive Coal)**.....AAAA**OHIO—Findlay****Findlay Axe & Tool Co. (Clay; Contractors'; Drifting; Mining; Poll; Railroad; Surface)**.....A**OHIO—Ravenna****Williams, A. C. (Ice)**....A**OHIO—Toledo****Hartley, Geo. W. (Mill)**...D**PICKS (Con.)****PA.—Allegheny****Hardsocg Mfg. Co., Martin (Drifting; Mining)**...B**Heathcote, Thos. (Stone)**...G**PA.—Beaver Falls****Beaver Falls Mfg. Co. (Clay; Mining; Stone)**.....D**PA.—Chester****Black & Co., H. B. (Firemen's Truck; Mill; Stone)**...AA**PA.—Erie****Erie Specialty Co. (Ice)**...B**PA.—Fleetwood****Kern, Amandus (Mill)**....F**PA.—Honesdale****White Axe Co., G. (Mill)**...D**PA.—Howard****Howard Iron & Tool Co. (Mining)**.....B**PA.—Muncy****Sprout, Waldron & Co. (Mill)**.....A**PO.—Ogontz****Hammond & Son, C. (Mill)**...A**PA.—Philadelphia****Plumb, Fayette R. (Inc.) (Clay; Drifting; Mining; Poll; Railroad; Stone; Surface; Tamping)**...AA**Smith Co., J. Barton, N. 4th & Somerset (Ice)**...D**Stortz & Son, Jno., 210 Vine (Boiler; Ice; Mill)**....E**PA.—Philipsburg****Gills Sons, Jno. D. (Mining)**.....E**PA.—Pittsburg****Hubbard & Co., Murtland Bldg. (Clay; Locomotive Coal; Coal Mining; Stone; Tamping)**.....AA**Iron City Tool Works (Ltd.) 32d & Smallman (Clay; Contractors'; Drifting; Mining; Poll; Railroad; Stone Surface; Tamping; Mill)**.....A**Jones & Laughlins Steel Co. (Clay; Contractors'; Mining; Stone)**.....AAAA**Klein-Logan Co., Breed & S. 13th (Clay; Contractors'; Drifting; Mining; Poll; Railroad; Stone Tamping)**.....A**Oliver Iron & Steel Co. (Clay; Contractors'; Drifting; Mining; Poll; Surface; Tamping)**.....AAAA**Pittsburg Tool & Drop Forge Co., Arrott Bldg (Clay; Mining; Tamping)**.....D**PA.—Reading****Franklin Specialty Co. (Nickel Plated; Hickory Handle Ice)**.....G**PA.—Wrightsville****Wrightsville Hardware Co.**.....B**W. VA.—Wheeling****Warwood Tool Co. (Mining)**.....B**WIS.—Racine****Foster & Williams Mfg. Co. (Flax Tow)**.....B**PICKUPS****OHIO—Cleveland****Electric Controller & Supply Co. (Crane; Electric)**.....A**PICTURES:****MOULDINGS****& FRAMES****ILL.—Chicago****Cass & Co., B. F. (Pictures; Mouldings; Frames)**....C**Great Northern Moulding Co. (Mouldings)**.....B**Harsua Mfg., L. R. (Mouldings)**.....C**Illinois Moulding Co. (Mouldings)**.....B**Kern Co., The A. F. (Mouldings Room; Picture Frames; Easels; Framed**

## PICTURES: FRAMES

Pictures; Wall Pockets;  
Art Gds.; Novelties) ...C  
Klein Co., A. S. (Pictures;  
Frames) .....A  
Larson & Co., C. (Mould-  
ings) .....C  
Mueller Bros. Art Mfg. Co.  
(Framed Pictures; Picture  
Frames; Art Gds.) .....C  
Newcomb-Macklin Co.  
(Mouldings) .....D  
Planett Mfg. Co. (Picture  
Frames; Gilt Furn.) .....D  
Raubold & Lambin (Mould-  
ings) .....C  
Schram Bros. (Mouldings) B  
Smalley Mfg. Co. (Picture  
Frames; Easels; Wall  
Pockets) .....C  
Sparr & Weiss (Picture  
Mouldings) .....B  
Vilas Co., A. H. (Picture  
Frames; Easels) .....B  
KY.—Louisville  
Lindsey, T. N. (Picture  
Frames) .....D  
MAINE—Ellsworth  
Ellsworth Hardware Co.  
(Mouldings) .....E  
MD.—Baltimore  
Esselmann Co., Geo. (Pic-  
ture Mouldings) .....D  
Furst Bros. & Co. (Picture  
Frames; Mouldings) .....C  
Hamp Co., Conrad (Picture  
Mouldings) .....B  
MASS.—Boston  
Boston Mirror Co. (Inc.)  
(Frames; Mouldings) ..D  
MASS.—Springfield  
Bradley Co., Milton (Sec-  
tional) .....A  
Taber-Prang Art Co.  
(Framed) .....AA  
MICH.—Detroit  
Hargreaves Mfg. Co. (Pic-  
ture Frame Mouldings) A  
Lawrence & Co., Leonard  
(Pictures; Picture  
Frames; Mouldings) AAA  
MINN.—Minneapolis  
Blintiff Mfg. Co. (Picture  
Mouldings) .....D  
MO.—St. Louis  
Baxter Moulding Co. (Mould-  
ings; Frames; Framed  
Pictures; Mirrors, etc.) C  
Webber Moulding Co., J. R.  
(Moulding; Frames;  
Easels; Pictures) .....C  
N. J.—Newark  
Schrafft & Co., A. (Picture  
Mouldings) .....A  
N. Y.—Brooklyn  
White, Potter & Page Mfg.  
Co. (Picture Frames) ..A  
New York City  
Hickok & Pate (Religious  
Pictures) .....E  
Lippe & Co. (Wood) ....C  
PA.—Philadelphia  
Beck Paper Co. (Relief) B

## PIECES:

### MOUTH

See Mouthpieces

## PIERS

PA.—Beaver Falls  
Penn Bridge Co. (Iron;  
Steel) .....AA  
PA.—Philadelphia  
Phoenix Bridge Co. (Iron;  
Steel) .....A  
PA.—Steelton  
Pennsylvania Steel Co.  
(Iron; Steel) .....AAAA

## PIGEONS

New York City  
Hartley & Co., M. (Clay)  
AAA  
OHIO—Cleveland  
Chamberlain Cartridge &  
Target Co. (Clay) .....A

## PIGMENTS

See also Colors

## PIGMENTS (Con.)

N. Y.—Niagara Falls  
International Acheson Gra-  
phite Co. (Graphite) ...B  
PA.—Easton  
Williams & Co., C. K. ....A

## PILING

See also Lumber

FLA.—Pensacola  
Thornton, H. H. (Pine) ...F  
GA.—Savannah  
Southern Pine Co. of  
Georgia (Pine) ....AAA  
MICH.—Bay City  
Michigan Pipe Co. (Creoso-  
ted) .....AA

## PILLOWS

See also Bedding

MASS.—Andover  
Tyer Rubber Co. (Air) ..AA  
MASS.—Boston  
Davidson Rubber Co. (Air) A  
New York City  
Goodyears' India Rubber  
Glove Mfg. Co. (Air) AAAA  
Goodyear Rubber Co. (Air) AAAA  
Hall, Francis A. (Hair) ..B  
Hodgeman Rubber Co. (Air) AA  
Ostermoor & Co. (Hair) ..A  
R. I.—Providence  
Davol Rubber Co. (Air) AA  
WIS.—Eacine  
Chicago Rubber Clothing Co.  
(Air) .....A

## PILLS

ILL.—Chicago  
Baker Co., Chas. S. (Coated) C  
IND.—Indianapolis  
Lilly & Co., Eli (Coated;  
Gelatine) .....AA  
MD.—Baltimore  
McCormick & Co. (Quinine) D  
Sharpe & Dohme (Coated;  
Gelatine) .....AAA  
MASS.—Cambridge  
Thayer & Co., Henry  
(Coated) .....A  
MICH.—Detroit  
Parke, Davis & Co. (Coated;  
Gelatine) .....AAAA  
Stearns & Co., Fred (Coated) AAA  
MICH.—Kalamazoo  
Upjohn Co. ....AA  
New York City  
Keith & Co., B. (Coated) F  
McKesson & Robbins  
(Coated; Gelatine) AAAA  
Parke, Davis & Co. ....AAAA  
Schleffelin & Co., W. H. AA  
Tutt Mfg. Co., Dr. ....B  
OHIO—Cincinnati  
Merrell Chemical Co., Wm.  
S. (Sugar Coated) ....AAA  
PA.—Ambler  
Keasby & Mattison Co.  
(Coated; Gelatine) AAAA  
PA.—Philadelphia  
Hance Bros. & White  
(Coated; Gelatine) ...AA  
Nittinger Sr., August ...A  
Powers-Weightman-Rosen-  
garten Co. ....AAAA  
Wythe & Bro. J. (Coated) AAAA  
PA.—Pittsburg  
Fleming Bros. Co. ....X

## PILOCARPINE

New York City  
Roessler & Hasslacher Chem-  
ical Co. ....AA

## PINCHERS

CONN.—Bridgeport  
Bridgeport Hdw. Mfg. Co. B  
CONN.—Southington  
Peck, Stow & Wilcox Co.  
(All Kinds) .....AAAA

**PINCHERS (Con.)**

**ILL.—Chicago**  
 Vaughn & Bushnell Mfg. Co.  
 877 Carroll Av. (Carpenters) .....A  
**ILL.—Downer's Grove**  
 Dicke Tool Co. (Farriers') C  
**ILL.—Freeport**  
 Arcade Mfg. Co. (Cast Iron) .....A  
**MASS.—Boston**  
 Whitchee & Co., Frank W. (Shoemakers') .....A  
**MO.—Kansas City**  
 Russell Hdw. & Implement Mfg. Co. ....X  
**N. J.—Newark**  
 Atha Tool Co. (Farriers') A  
 Heller Bros. Co., 879 Mt. Prospect Av. ....AA  
 Johnson, Wm. (Shoemakers') .....D  
 Osborne & Co., C. Louis S. B  
 Sacks Iron Fdry. ....A  
**New York City**  
 Sargent & Co. ....AAAA  
**OHIO—Cleveland**  
 Columbian Hardware Co., Coe & Hamilton .....AA  
**OHIO—Ravenna**  
 Williams. A. C. ....A

**PINE TREE PRODUCTS**

**N. C.—Wilmington**  
 Spiritine Chem. Co. ....C

*Manufacturers and Refiners of Pure Pitch Pine Product.*

*Awarded Medal and Diploma by the World's Columbian Exposition in 1893, and Atlanta, Ga., 1895, Buffalo, 1901 and Charleston, S. C., 1901-2.*

*Spiritine Wood Preserver, Spiritine Mercury Wood Preserver, Oil of Tar, Wood Creosote Oil, Spiritine Wood Filler, Pure Pine Oil, Spiritine Paint Oil, Spiritine Brick Preserver, Soluble Spiritine for Insecticide and Disinfectants, Spiritine Disinfectants No. 1, Spiritine Disinfectants No. 2, Refined Pyroligneous Acid, Sheep Dip, Black Rubber Varnish, Deck Varnish, Wood Naptha, Wood Spirit Turpentine, Pineoleum Cable Coating, Spiritine Pine Rubber Graphite and Metallic Composition Paint, Metallic Brown, Metallic Composition Black, Hanson's Mercury Bottom Coating.*

**PINE**

See Lumber

**PINEAPPLES**

**ALA.—Mobile**  
 Muscat & Lott .....D  
**CAL.—San Francisco**  
 Brandenstein & Co., M. J., 118 Mkt. ....AAAA  
 Macondray & Co., 118 Calif. ....B  
**D. C.—Washington**  
 Adams & Co., E. J., 907 B. N. W. ....D  
**MD.—Baltimore**  
 Buckman Fruit Co., 205 Bowleys Whf. ....B  
 Kirwan-Schall Fruit Co. ....E  
 Lawder & Sons, Saml., M., 2215 Boston .....O  
 West India Trading Co. ....B  
**New York City**  
 Brown & Co., W. H., 161 Maiden Lane .....D

**PINEAPPLES (Con.)**

**Courtin, Golden & Co., 87 Front** .....D  
**Hutcheson & Co., A. G., 106 Front** .....A  
 Lester, F. H., 97 Park Pl. D  
 McCormick, Hobbs & Co., 279 Washn. ....A  
 Nix & Co., J., 281 Washn. A  
 Roberts, J., 158 Front ....E  
 Ruhlman & Co., P., 261 Washn. ....B  
**OREGON—Portland**  
 Oriental-American Co. (Imprts.) .....C  
**PA.—Philadelphia**  
 Weinert & Co., Wm., 260 No. Front .....C

**PINIONS**

See also Gears

**CONN.—Derby**  
 Birmingham Iron Foundry (Combination Mill) ...AA  
**ILL.—Chicago**  
 Chicago Raw Hide Mfg. Co., 75 E. Ohio (Raw Hide) A  
**KANS.—Leavenworth**  
 Great Western Mfg. Co. AA  
**MD.—Baltimore**  
 Poole Engineering & Mach. Co. (Gearing; Elec. R'way) .....AA  
**MASS.—Holyoke**  
 Holyoke Machine Co. ...AA  
**N. J.—High Bridge**  
 Taylor Iron & Steel Co. ....AAAA  
**N. Y.—Brooklyn**  
 Bliss Co., E. W., 19 Adams (Pressed Steel; Electric Railway) .....AAAA  
**N. Y.—Buffalo**  
 Pratt & Letchworth Co. (Steel) .....AAA  
**N. Y.—Catskill**  
 Catskill Foundry & Mach. Wks. (Electric Railway) B  
**New York City**  
 Johns-Manville Co., H. W., 100 William (Electric Railway) .....AAAA  
**OHIO—Cleveland**  
 Cleveland Gear Wks. (Electric Railway) .....X  
 Horsburg & Scott Co., 108 Canal (Electric Railway) B  
 Van Dorn & Dutton Co., 1796 E. Madison Av. (Electric Railway) .....B  
**PA.—Chester**  
 Chester Steel Casting Co. AA  
**PA.—Philadelphia**  
 Phila. Roll & Mchry. Co., So. 23d & Washn. Av. (Roll) .....A  
**PA.—Pittsburg**  
 Fawcus Machine Co., 2818 Smallman (Electric Railway) .....B  
 Garrison Foundry Co., A., 9th & Bingham (Double Spiral) .....AAA  
 Hogg Iron & Steel Foundry, Geo. A., 24th & R. R. ...A  
 Mesta Machine Co., Lewis Blk. (Roll) .....AAAA  
 Nuttall Co., R. D., Lafayette & Garrison Pl. (Electric Railway) .....A  
 Pittsburg Steel Foundry Co. ....AA  
 Seaman-Sleith Co. (Roll) AA  
 Simonds Mfg. Co. (Electric Railway) .....B  
**PA.—Rankin Station**  
 Duquesne Forge Co. (Electric Railway) .....A  
**PA.—Wilkesbarre**  
 Vulcan Iron Wks. ....AAAA  
 R. I.—Providence  
 Brown & Sharpe Mfg. Co. (Electric Railway) AAAA  
**WIS.—Milwaukee**  
 Falk Co., ft. 30th (Electric Railway) .....AAA  
 Western Rawhide & Belting Co. (Rawhide; Elec. R'way) .....B

# PINS

See also Jewelry; also  
Brackets for Wood Pins

**CONN.—Bridgeport**  
Bridgeport Brass Co. (Escutcheon; Brass; Iron) AAA  
**CONN.—Bristol**  
Sessions & Son, J. H. (Escutcheon) .....AA  
**CONN.—Collinsville**  
Hartigan, Wm. B. (Rolling) H  
**CONN.—Deep River**  
Williams & Marvin Mfg. Co. (Rolling) .....D  
**CONN.—Derby**  
Howe Mfg. Co. (Brass; Button; Eye; Hat; Headless; Iron; Mixed; Mourning; Ribbon; Scarf Mfrs.; Shawl; Tape) .....A  
Hartford Machine Screw Co. (Taper) .....AAAA  
Jewell Belting Co. (Tollet) AAA  
Jewell Pin Co. (Tollet) ...B  
Pratt & Whitney Co. (Tapering) .....AAAA  
**CONN.—Manchester**  
Lydall & Foulds, H. (Hackle) .....B  
**CONN.—Meriden**  
Foster, Merriman & Co. (Escutcheon; Brass; Hat) AA  
**CONN.—Middletown**  
Wilcox Crittenden & Co. (Belaying) .....A  
**CONN.—New Britain**  
Humason & Beckley Mfg. Co. (Ox Yoke Bow) ...A  
Landers, Frary & Clark (Brass) .....AAA  
Russell & Erwin Mfg. Co. (Escutcheon; Shelf)AAAA  
**CONN.—New Haven**  
North & Co., O. B. (Picket) AA  
**CONN.—New London**  
Brown Cotton Gin Co. (Cotton Gin) .....AA  
**CONN.—Oakville**  
Oakville Co. (Metal; Safety) A  
**CONN.—Southington**  
Peck, Stow & Wilcox Co. (Ox Yoke Bow) .....AAAA  
**CONN.—Torrington**  
Progressive Mfg. Co. (Brass; Copper; German Silver; Special; Dowell; Taper) A  
Turner & Seymour Mfg. Co. (Escutcheon; Rivet; Drapery; Safety) .....A  
**CONN.—Waterbury**  
Amer. Pin Co. (Brass Escutcheon; Brass; Hat; Headless; Drapery; Iron; Safety; Hair; Tag) .....AA  
Amer. Ring Co. (Hat) ...A  
Blake & Johnson (Inc.) (Aluminum; German Silver; Brass; Copper; Steel; Hair; Special) .....A  
Holmes, Booth & Hayden Co. (Escutcheon) .....AAAA  
Plume & Atwood Mfg. Co. (Escutcheon; Brass; Tollet) .....AAA  
Scovil Mfg. Co. (Escutcheon) AAAA  
Waterbury Brass Co. (Escutcheon) .....AAAA  
Waterbury Button Co. (Safety; Tollet) .....A  
**CONN.—Winsted**  
New England Pin Co. (Pyramid) .....AA  
**GA.—Atlanta**  
Van Winkle Gin & Mach. Wks. E. (Cotton Gin)AAA  
**ILL.—Chicago**  
American Steel & Wire Co., The Rookery (Brass; Steel; Escutcheon) AAAA  
Escanaba Woodware Co., Manhattan Bldg. (Clothes) A  
Gould & Co., L., 48 Wabash Av. (Clothes) .....AAA

# PINS (Con.)

Grand Crossing Tack Co. (S. Chicago Av. & 79th (Escutcheon; Dowel; Sash) AAA  
Illinois Malleable Iron Co. (Pump) .....AAAA  
Pratt Mfg. Co., Wm. E., 91 Lake (Husking) .....B  
Bedlich Mfg. Co. (Ten) ...B  
Republic Iron & Steel Co., 108 La Salle (& Links Coupling) .....AAAA  
Standard Screw Co., 2 N. Canal (Taper) .....AAA  
Union Drop Forge Co., 66 E. Ohio (& Shafts; Crank), A  
**ILL.—Freeport**  
Arcade Mfg. Co. (Husking) A  
Walker & Ehrman Mfg. Co. (Taper) .....A  
**ILL.—Lemont**  
Illinois Pure Aluminum Co. (Hair) .....X  
**IND.—Indianapolis**  
Tucker & Dorsey Mfg. Co. (Rolling) .....A  
**IND.—Kokomo**  
Kokomo Steel & Wire Co. (Barbed; Dowel) ....AAA  
**MAINE—Portland**  
Laughlin Co., Thos. (Belaying) .....A  
**MAINE—So. Portland**  
Marine Hardware & Equipment Co. (Belaying) ....O  
**MAINE—West Paris**  
Mann, Lewis M. (Clothes) C  
**MAINE—West Peru**  
Austin & Son, E. G. (Clothes) .....D  
**MASS.—Attleboro**  
Bliss Bros. Co. (Bar) ....A  
Daggett & Clapp Co. (Bar) A  
Horton, Angell & Co. (Ladies Cuff) .....A  
Regnell, Bigney & Co. (Bar; Bonnet) .....B  
Robbins Co., Chas. M. (National Flag) .....O  
**MASS.—Boston**  
Boston Forge Co., 340 Maverick (& Shafts; Crank) ...A  
Boston & Lockport Block Co., 160 Commercial (Belaying) .....A  
Eastern Forge Co., 70 Kilby (& Shafts; Crank) .....B  
New England Novelty Mfg. Co. (Button) .....H  
Ripley-Howland Mfg. Co. (Brooch; Gold) .....A  
Stoddard, Haserick, Richards & Co., 1152 Congress (Gill; Combing) .....B  
**MASS.—Bridgewater**  
Perkins Co., Henry (Escutcheon) .....B  
**MASS.—Charlley**  
Freeman, Daughaday & Co. (Bar; Scarf; Shawl) ....O  
**MASS.—Greenfield**  
Automatic Machine Co. (Taper) .....O  
**MASS.—Leominster**  
Blodgett & Co., B. F. (Hair; Horn) .....B  
**MASS.—Lowell**  
Bagshaw, W. H. (Estate of) (Picker) .....B  
Dodge, C. S. (Hot Forged Picker) .....D  
Stott, Samuel E. & T. (Picker) .....X  
**MASS.—New Bedford**  
Morse Twist Drill & Mach. Co. (Taper) .....AAA  
**MASS.—North Attleboro**  
Barrows & Co., H. F. (Bar; Bonnet) .....A  
Blackington & Co., R. (Bar; Scarf; Plated) .....A  
Bugbee & Niles Co. (Bar; Brooch) .....B  
Cheever, Tweedy & Co. (Hair) .....AAA  
Coddington & Hellborn Co. (Bar; Scarf; Hat) .....A  
Franklin & Co., E. I. (Bar; Bonnet; Hair; Ladies Cuff; Scarf) .....O



**PINS (Con.)**  
 Whiting Co., F. M. (Brooch) D  
**MASS.—Plainville**  
 Plainville Stock Co. (Bar; Bonnet; Brooch; Hair; Scarf; Plated Scarf)....A  
**MASS.—Plymouth**  
 Plymouth Mills (Brass; Iron Escutcheon) .....B  
**MASS.—Taunton**  
 Globe Mfg. Co. (Escutcheon; Brass; Iron) .....E  
 Taunton Wire Nail Co. (Escutcheon) .....D  
**MASS.—Worcester**  
 Parker & Co., Jno. L. (Escutcheon; Hinge) ...B  
 Parker Wire Goods Co. (Dowel) .....D  
 Wire Goods Co. (Escutcheon; Dowel; Shelf; Regalia) .A  
 Worcester Machine Screw Co. (Taper) .....AAA  
 Wyman & Gordon (& Shafts; Crank) .....A  
**MICH.—Bay City**  
 Vance Box Co., E. J. (Ltd.) (Tent) .....B  
**MICH.—Bellaire**  
 Richardl & Bechtold (Clothes) .....B  
**MICH.—Crystal Falls**  
 Crystal Falls Woodenware Co. (Clothes) .....C  
**MICH.—Custer**  
 Custer Mfg. Co. (Clothes), E  
**MICH.—Detroit**  
 Anderson & Sons, W. H. (Surveyors' Lining) ....C  
 Brownlee & Co. (Insulator) AA  
 Schulenburg Mfg. Co. (Tent) C  
**MICH.—Escanaba**  
 Escanaba Woodenware Co. (Clothes) .....A  
**MICH.—Grand Rapids**  
 Grand Rapids Brass Co. (Hat) .....A  
 Hardware Supply Co. (Shelf) X  
**MICH.—Ludington**  
 Ludington Woodenware Co. (Clothes) .....C  
**MICH.—Northville**  
 Dubuar Mfg. Co., J. A. (Belaying; Tent) .....X  
**MINN.—Minneapolis**  
 Clark Co., J. K., 2171 Av. & 2d Av. No. (Clothes) .C  
**MO.—Poplar Bluffs**  
 Armstrong-Dowell Pin Co. (Dowel) .....D  
**MO.—St. Louis**  
 Helmbacher Forge & Rolling Mills Co., Cor. Barton & DeKalb (Coupling; Crank; Links) .....AA  
 St. Louis Screw Co., 3017 N. 13th (Taper) .....A  
**N. H.—Manchester**  
 Baldwin Co., Jas. (Insulator) .....AAAA  
**N. H.—Sutton**  
 Wadleigh, M. B. ....D  
**N. J.—Jersey City**  
 Mack Mfg. Co., Thos. A. (Dowell; Taper) .....X  
**N. J.—Newark**  
 Adams & Co., Thos. W. (Bar; Scarf) .....B  
 Block & Bergfels (Bonnet; Brooch; Scarf) .....B  
 Crabb & Co., Wm. (Hackle; Cotton Gin) .....A  
 Durand & Co. (Inc.) (Bar; Bonnet; Brooch; Gold; Hair; Ladies Cuff; Scarf; Shawl; Society) .....AA  
 Hedges & Co., A. J. (Bar; Bonnet; Brooch; Gold; Hair; Ribbon; Scarf) ...A  
 Jenkinson & Co., R. C. (Escutcheon; Brass; Iron), A  
 Krementz & Co. (Hair; Scarf) .....AAA  
 Reeves & Brown (Bar; Bonnet; Ladies Cuff; Scarf) B  
 Sommer's Son, John (Insulator, Rolling) .....A  
**N. Y.—Binghamton**  
 Titchener & Co., E. H. (Dowel) .....B

**PINS (Con.)**  
**N. Y.—Brooklyn**  
 Brass Goods Mfg. Co. (Safety) .....B  
**N. Y.—Buffalo**  
 Buffalo Forge Co. (Coupling) AAA  
**N. Y.—East Troy**  
 Campbell, G. A. (Clothes), F  
**N. Y.—Edinburg**  
 Tennant, S. (Clothes) ....D  
**N. Y.—Lockport**  
 Western Block Co. (Belaying) .....C  
**New York City**  
 Alling & Co. (Scarf) ....AA  
 Averbek, M. J. (Bar; Brooch; Gold; Hair; Ladies Cuff) .....A  
 Braxmar Co., C. G. (Society) B  
 Brunswick - Balke-Collender Co. (Ten) .....AAAA  
 Cottle Co., S. (Gold) .....E  
 Estes & Sons, E. B. (Rolling; Thole) .....AA  
 Etma Mfg. Co. (Taper) ...X  
 Gould-Mersereau Co. (Escutcheon; Brass Curtain) ..B  
 Tortoise Shell; Tent, ....D  
 Grote & Co., F. (Hair, vory; Hassall, Jno., 169 Elm (Brass; Iron; Steel; German Silver; Tinned Escutcheon) .....B  
 Henrich, Henry (Scarf) ..E  
 Hicks, Chas. N., 226 South (Belaying) .....H  
 Hungerford Brass & Copper Co., 497 Pearl (Brass; Copper Escutcheon) .....AA  
 Judd & Co., H. L. (Escutcheon; Brass; Carpet; Sockets; Curtain; Hat) AA  
 Keuffel & Esser Co. (Drawing) .....AA  
 Maas & Co., Wm. (Bar; Hair) .....AA  
 McGill, Edward L. (Printing Press Gauge) .....B  
 Myers Co., S. F. (Bar; Brooch; Ladies Cuff; Plated Scarf) .....D  
 New York Nickel Plating & Mfg. Co. (Hinge) .....D  
 Richards & Co., E. Ira (Bar; Black Onyx; Bonnet Brooch, Hair, Ladies' Cuff, Ribbon Rolled Plate, Shawl) .....AAA  
 Sargent & Co. (Curtain; Ox Box; Shelf) .....AAAA  
 Sexton & Co., Wm. L. (Bonnet; Hair) .....C  
 Shardlow, Joseph (Ten) ..D  
 Shrimpton Mfg. Co. (Household, etc.) .....G  
 Sloan & Co. (Inc.) (Bar; Bonnet; Brooch; Gold; Hair; Ribbon; Rolled Plate; Scarf; Shawl; Hat) B  
 Stern Bros. Co. (Bar) AAAA  
 Tiebout, W. & J. (Belaying; Sash) .....B  
 Trenkmann, August (Hair; Tortoise Shell) .....AAA  
**N. Y.—Northbush**  
 Holmes, R. E. (Clothes), D  
**N. Y.—Rochester**  
 Judson Pin Co. (Safety) ...C  
**N. Y.—Victor**  
 Locke Insulator Mfg. Co. (Insulator) .....A  
**N. Y.—Watervliet**  
 Covert Mfg. Co. (Picket; Lariat) .....A  
**OHIO—Bucyrus**  
 Blair Husking Glove Co. (Corn Husking) .....D  
**OHIO—Carthage**  
 Block-Pollak Iron Co. (& Shafts; Crank) .....AAA  
**OHIO—Cincinnati**  
 Cincinnati Screw & Tap Co. (Taper) .....A  
 Creaghead Engineering Co., 313 Walnut (Malleable Iron; High Tension) ....D  
 Tower Mfg. Co. (Escutcheon) .....C  
**OHIO—Cleveland**  
 Atlas Car & Mfg. Co.

# **PINS (Con.)**

(Dowel) ..... AA  
 Cleveland City Forge & Iron Co., 67 Case Av. (Coupling; also Crank) ..... AA  
 Francis. A. E., 780 Cedar (Clothes; Wire) ..... F  
 Ohio Electric Co. (Screw; Electric) ..... D  
 Vulcanus Forging Co. (Air Brake) ..... B  
**OHIO—Columbus**  
 Ohio Tool Co. (Rolling), AA  
**OHIO—Elyria**  
 Western Automatic Mach. Screw Co. (Carpet; Sockets; Shoulder; Taper), AA  
**OHIO—Hicksville**  
 Kerr Bros. Mfg. Co. (Tent) C  
**OHIO—Piqua**  
 Piqua Hndle & Mfg. Co. (Coal Mine Cartridge; Thole) ..... A  
**OHIO—Toledo**  
 Stevens Co., B. A. (Bowling Alley) ..... A  
**OHIO—Youngstown**  
 Finished Steel Co. (Bridge Polished Steel) ..... A  
**PA.—Braeburn**  
 Braeburn Steel Co. (& Shafts; Steel Crank) ... A  
**PA.—Burnham**  
 Logan Iron & Steel Co. (& Links; Coupling) ..... AA  
**PA.—Chester**  
 Chester Steel Castings Co. (& Shafts; Crank) ..... AA  
 Keystone Drop Forge Co. (& Links; Coupling) ..... B  
**PA.—Candenport**  
 Dodge Clothes Pin Mfg. Co., A. W. (Clothes) ..... B  
**PA.—Eddystone**  
 Tindell-Morris Co. (Crank) AA  
**PA.—Erie**  
 Erie Forge Co. (& Shafts; Crank) ..... A  
**PA.—Johnstown**  
 Cambria Steel Co. (& Shafts; Crank) ..... AAAA  
**PA.—Kushequa**  
 Howells, Davis & Co. (Clothes) ..... AA  
**PA.—Lebanon**  
 Amer. Iron & Steel Mfg. Co. (Brake; Knuckle), AAAA  
**PA.—Lopez**  
 Lopez Mfg. Co. (Clothes), A  
**PA.—McKee's Rocks**  
 Lockhart Iron & Steel Co. (& Shafts; Crank) ..... AA  
**PA.—Mechanicsburg**  
 Wilcox Mfg. Co., D. (& Links; Coupling) ..... A  
**PA.—Monroeton**  
 Rockwell, John L. (Ten) .. F  
**PA.—New Castle**  
 New Castle Forge & Bolt Co. (Brake; Knuckle; Coupling; also Links) ..... AA  
**PA.—Philadelphia**  
 Bingham, Jas. (Screw) .... H  
 Midvale Steel Co. (& Shafts; Nickel Steel Crank) AAAA  
 Paxson Co., J. W. (Dowel) AA  
 Penna. Steel Co., Girard Bldg. (& Shafts; Crank) AAAA  
**PA.—Pittsburg**  
 Carbon Steel Co. (& Shafts Nickel Steel Crank) ... AA  
 Carnegie Steel Co. (& Links; Coupling; also Crank) AAAA  
 Crucible Steel Co., of America (& Shafts; Crank) AAAA  
 Jones & Laughlins Steel Co. (& Links; Coupling; also Crank) ..... AAAA  
 Morris & Bailey Steel Co. (& Shafts; Crank) ..... A  
 Oliver Iron & Steel Co. (& Links; Coupling) ..... AAAA  
 Pittsburg Forge & Iron Co. (& Links; Coupling) ... A  
 Pittsburg Screw & Bolt Co. (Taper) ..... A  
 Pittsburg Steel Co. (Dowel) AAAA

# **PINS (Con.)**

Steel Car Forge Co. (Connection) ..... B  
**PA.—Rankin Station**  
 Duquesne Forge Co. (& Shafts; Crank) ..... A  
**PA.—Reading**  
 Reading Hardware Co. (Shelf) ..... AAAA  
 Reading Iron Co. (& Shafts; Crank) ..... AAAA  
**PA.—Scranton**  
 Scranton Bolt & Nut Co. (Brake; Knuckle) .... AA  
**PA.—So. Bethlehem**  
 Bethlehem Steel Co. (& Shafts; Nickel Steel Crank; also Cross Head) AAAA  
**PA.—Titusville**  
 Titusville Forge Co. (& Shafts; Centre Throw Crank) ..... A  
**PA.—Wilkesbarre**  
 Vulcan Iron Wks. (& Shafts; Crank) ..... AAAA  
**R. I.—Pawtucket**  
 Jenckes Mfg. Co. (Wire Spring) ..... A  
**R. I.—Providence**  
 Adams & Co., D. F. (Black Onyx) ..... C  
 Amer. Screw Co. (Escutcheon; Brass) ..... AAAA  
 Ballow & Co., B. A. (Bar; Ladies Cuff; Safety), AA  
 Cook Co., C. H. (Bar; Brooch; Gold; Hair; Ladies Cuff) ..... D  
 Cory & Reynolds Co. (Bar; Screw; Stick) ..... C  
 Crossin & Co. (Bar; Brooch; Screw; Hair) ..... F  
 Cutler Jewelry Co. (Bar; Brooch; Ladies Cuff) ... D  
 Devereux & Co., O. C. (Bar; Screw; Plated) ..... D  
 Foster & Bros. Co., Theo. W. (Bar; Screw; Plated) ... AA  
 Fowler Bros. (Bar) ..... C  
 Greene & Co., Wm. C. (Ladies' Cuff; Screw) ... D  
 Hancock Co., Chas. E. (Bar; Ladies Cuff; Screw; Hat) B  
 Irons & Russell (Gold; Society) ..... A  
 Lederer & Co., S. B. (Bar; Brooch; Rolled Plate; Screw Plated; Shawl; Society) ..... C  
 Linton Co., P. & A. (Rolled Plate; Screw) ..... B  
 Loeb & Co., Wm. (Stick; Hat) ..... A  
 Luther & Son, Wm. H. (Bar; Brooch; Screw; Screw Plated) ..... B  
 Moorehead & Co., R. L. (Bar; Brooch; Rolled Plate; Screw; Screw Plated) ..... B  
 Narragansett Machine Co. (Ten) ..... A  
 Ostby & Barton Co. (Brooch) AAAA  
 Potter & Buffington Co. (Bar; Ladies Cuff) ..... A  
 Richardson & Co., Josiah W. (Society) ..... D  
 Schofield-Battery & Co. (Ladies Cuff) ..... C  
 Snow & Westcott (Bar; Brooch; Ribbon; Screw), A  
 Tockwolton Co. (Split) ... F  
 Waite, Mathewson & Co. (Bar; Ladies Cuff; Society) ..... B  
 Waite-Thresher Co. (Screw) A  
 Wilcox & Co., D. (Screw) AA  
**VT.—Montpelier**  
 U. S. Clothes Pin Co. (Clothes; Spring) ..... D  
**VT.—Springfield**  
 Mason Mfg. Co. (Clothes) H  
**VT.—Waterbury**  
 Demeritt & Palmer Packing Co. (Clothes) ..... H  
**VA.—Richmond**  
 Richmond Cedar Wks. (Clothes) ..... AAAA  
 Richmond Standard Steel

**PINS (Con.)**

Spike & Iron Co. (& Links; Coupling) .....X  
 Tredegar Co. (Coupling) .....AAA  
**VA.—Standardville**  
 Standard Clothes Pin Co. (Clothes) .....D  
**VA.—Richwood**  
 Dodge Clothes Pin Mfg. Co., A. W. (Clothes) .....A  
**WIS.—Kenosha**  
 Stewart Mfg. Co. (Clothes) .....X  
**WIS.—Milwaukee**  
 Meinecke & Sons, A. (Ten) .....AA  
 Milwaukee Tack Co. (Escutcheon) .....X  
**WIS.—Two Rivers**  
 Aluminum Mfg. Co. (Hair; Aluminum) .....A

**PIPE**

See also Lead; also Pipes

**ALA.—Bessemer**  
 Bessemer Soil Pipe Co. (Cast Iron Soil; Fittings) .....B  
**ALA.—Birmingham**  
 Birmingham Pipe & Casting Co. (Cast Iron Soil; Fittings) .....A  
 Dimmick Pipe Co. (Cast Iron Gas; Water) ....AA  
**ALA.—Gadsden**  
 Gadsden Pipe & Fdry Co. (Cast Iron Soil & Fittings) .....C  
**CAL.—Lincoln**  
 Gladding, McBean & Co. (Sewer) .....AA  
**CAL.—Los Angeles**  
 Consolidated Pipe Co. (Riveted Steel) .....B  
 Lacy Mfg. Co. (Riveted Steel) .....AA  
 Pacific Clay Mfg. Co. (Vitrified; Sewer) .....A  
 Thompson & Boyle Co. (Riveted Steel) .....B  
**CAL.—Sacramento**  
 Schaw, Batchelor Co., 219 "J" (Riveted Steel) .....A  
**CAL.—San Francisco**  
 Garrett & Co. (Inc.), W. T. (Brass) .....AA  
 Hendy Machine Wks., Joshua (Cast Iron; Gas; Steam; Water) .....AA  
 Montague & Co., W. W., 309 Market (Riveted Steel; Culvert; Sewer; Fire Clay; Stove) .....AAA  
 Risdon Iron & Locomotive Wks. (Cast Iron; Gas; Steam; Water) .....AAAA  
 San Fran. Bridge Co. (Riveted Steel) .....X  
 Selby Smelting & Lead Co. (Block Tin) .....AAA  
 Smith & Co., Francis, 83 Fremont (Riveted Steel; Riveted Iron) .....AA  
 Union Iron Wks., 222 Market (Riveted Steel) .....X  
 Woodin & Little (Cast Iron; Gas; Steam; Water) ....A  
**COLO.—Denver**  
 Colorado Fuel & Iron Co. (Cast Iron 3 to 24 in.; Gas; Water) .....B  
**CONN.—Bridgeport**  
 Belknap Mfg. Co. (Crown) C  
 Bridgeport Boiler Wks. Co. (Cast Iron; Gas; Steam; Water) .....D  
 Bridgeport Brass Co. (Brass) .....AAA  
 Pierce Mfg. Co. (Well) ...E  
**CONN.—Hartford**  
 Stirling Blower & Pipe Mfg. Co., (Galvanized; Riveted) .....A  
 Whitlock Coil Pipe Co. ....A  
**CONN.—New Haven**  
 National Pipe Bending Co. (Copper) .....B  
**CONN.—New London**  
 Burch & Co., H. O. (Culvert; Sewer) .....X  
**CONN.—Waterbury**  
 Holmes, Booth & Haydens

**PIPE (Con.)**

Co. (Inc.) (Brass) .AAAA  
 Randolph-Clowes Co. (Flush; Supply) .....AAA  
**CONN.—Willimantic**  
 Vanderman Plumbing & Heating Co. (Cast Iron; Soil; Fittings) .....C  
**GA.—Macon**  
 Steven's Sons Co., H. (Culvert; Sewer) .....A  
**IDAHO.—Wallace**  
 Coenr D'Alene Hdw. Co. (Riveted Steel) .....AA  
**ILL.—Chicago**  
 Aermotor Co., W. 12th & Rockwell Av. (Wrought Iron Pipe; Tube Mills) .....AAA  
 Allis-Chalmers Co., Home Ins Bldg. (Riveted Steel) .....AAAA  
 Amer. Spiral Pipe Wks. 1173 So. Paulina (Hydraulic; Steel Riveted; Sheet Iron; Spiral Steel Riveted) ...B  
 Blatchford & Co., E. W. 70 N. Clinton (Block Tin; Lead; Lead Tin Lined) .....AAA  
 Carroll Iron Wks. (C. L. Bowes, Prop.), 719 Carroll Av. (Riveted Steel; Spiral Riveted) .....C  
 Clow & Sons, James B. (Cast Iron 2 to 48 in.; Gas; Water) .....AAA  
 Crane Co. (Wrought Iron; Steam; Gas; Water; Steel; Tube Mills), AAAA  
 Franklin Fdry. Co., 1155 S. Paulina (Cast Iron; Soil; Fittings) .....D  
 Illinois Malleable Iron Co. (Cast Iron; Gas; Steam; Water; Iron Soil) .AAAA  
 Raymond Lead Co. (Lead; Tin Lined; Steel) .....AA  
 Rempe Co. (Welding, by Electricity) .....B  
 Wolf Co., Fred. W. (Ammonia) .....AAA  
 Wolff Mfg. Co., L. (Cast Iron Soil; Fittings) AAAA  
**ILL.—Edwardsville**  
 Edwardsville Brass Co. (Flush; Supply) .....B  
**ILL.—Paxton**  
 Paxton Hdw. Mfg. Co. (Stove) .....X  
**ILL.—Peoria**  
 McAleenan Boiler Co. (Riveted Steel) .....A  
**ILL.—St. Charles**  
 Glenn Mfg. Co. (Cast Iron Soil; Fittings) .....D  
**ILL.—Springfield**  
 Springfield Boiler & Mfg. Co. (Riveted Steel) .....A  
**IND.—Fort Wayne**  
 Kerr Mfg. Co., Murray (Cast Iron; Gas; Steam; Water) .....A  
**IND.—Terre Haute**  
 Terre Haute Brick & Pipe Co. (Vitrified; Drain) ..X  
**IOWA.—Burlington**  
 Murray Iron Wks. Co. (Cast Iron; Gas; Steam; Water) .....A  
**IOWA.—Cedar Rapids**  
 Cedar Rapids Pump Co. (Cast Iron Soil; Fittings) .....AA  
**IOWA.—Des Moines**  
 Iowa Pipe & Tile Co. (Sewer) .....A  
**IOWA.—Oskaloosa**  
 Iowa Mfg. Co. (Cast Iron Soil; Fittings) .....D  
**MD.—Baltimore**  
 Register Sons Co. (Soil; Iron) .....A  
 Robertson Mfg. Co., Jas. 30 Hanover (Block Tin; Lead) .....A  
**MASS.—Boston**  
 Chadwick-Boston Lead Co., 162 Congress (Block Tin; Lead; Tin Lined; Tin) .....AAA  
 Coffin Valve Co. (Water Wks.; Intake) .....D  
 Cunningham Iron Co. (Enam-

**PIPE (Con.)**

elled; Galvanized Iron) .. B  
 Hercules Iron & Supply Co.,  
 Com'l & Hanover (Cast  
 Iron Soil; Fittings) .... A  
 Hodge Boiler Wks. (Riveted  
 Steel) ..... A  
 National Tube Co. (Cast  
 Iron; Gas; Steam; Water;  
 Drive Well; Oil Line)  
 AAAAA  
 Stearns Lumber Co., A. T.  
 (Wood) ..... AA  
 Sturtevant Co., E. F. (Gal-  
 vanized Riveted) ..... AAA  
 Van Noorden Co., E. (Lead;  
 Tin Lined) ..... C  
 Walworth Mfg. Co. (Cast  
 Iron; Gas; Steam; Water)  
 AAAAA

**MASS.—Cambridge**

Lamb & Ritchie (Lead; Tin-  
 ned Lined; Spiral Lock  
 Seam; Composition: Wa-  
 ter) ..... AA

**MASS.—Hyde Park**

Boston Blower Co. (Galvan-  
 ized Iron) ..... B

**MASS.—Wakefield**

Lead Lined Iron Pipe Co.  
 (Iron; Lead; Tinned  
 Lined) ..... B  
 rt. ol. . . . . csm

**MASS.—Waltham**

Davis & Farnum Mfg. Co.  
 (Inc.) (Cast Iron; Gas;  
 Steam; Water; Flange), A

**MICH.—Bay City**

Michigan Pipe Co. (Improved  
 Wood; Cast Iron; Gas;  
 Steam; Water; Distillers';  
 Tan; Liquor; Wooden Wa-  
 ter) ..... AA

**MICH.—Big Rapids**

Michigan Heater Co. (Cast  
 Iron Soil; Fittings) .... C

**MICH.—Detroit**

Detroit Lead Pipe & Sheet  
 Lead Wks. (Lead) ..... A  
 Northwestern Fdry. & Sup-  
 ply Co. (Cast Iron Soil;  
 Fittings) ..... B

**MINN.—Minneapolis**

Minneapolis Steel & Mchry.  
 Co. (Riveted Steel), AAA

**MO.—Oregon**

Schulte Bros. (Grapple for  
 Lowering Pipe in Wells) E

**MO.—St. Louis**

Amer. Car & Fdry. Co., 706  
 Chestnut (Cast Iron, 3 to  
 16 in.; Gas; Water) AAAAA  
 Blackmer & Post Pipe Co.  
 (Culvert; Sewer) ..... AA  
 Nelson Mfg. Co., N. O. (Cast  
 Iron Soil; Fittings; Lead)  
 AAA

Pleuger & Henger Mfg. Co.  
 (Cast Iron; Flush; Supply)  
 A

**NEBR.—Omaha**

Crane Co. (Wrought Iron;  
 Steam; Gas; Water) .... A

**N. J.—Elizabeth**

Braunsdorf-Mueller Co.  
 (Blow) ..... D

**N. J.—Newark**

Simmons Pipe Bending Wks.  
 Ave. "D" Cor. Murray  
 (Cast Iron Soil; Fittings)  
 E

**N. J.—Paterson**

Paterson Heater Co. (Double  
 Wall; Hot Air Furnace;  
 Stove) ..... H  
 Smith & Son Co., Saml.  
 (Steel) ..... B

**N. J.—Phillipsburg**

Warren Fdry. & Machine  
 Co., (Cast Iron; Gas;  
 Steam; Water; Cast Iron  
 Culvert; Flange) ..... AA

**N. J.—Salem**

Salem Brass & Iron Mfg.  
 Co. (Flush; Supply) .... B

**N. J.—Sewaren**

Baynton, C. W. (Sewer) .. A

**N. Y.—Brooklyn**

Nat'l Fdry. Co., 32 Sanford  
 St. (Cast Iron Soil; Fit-  
 tings) ..... B  
 Ronalds & Johnson Co., 51  
 Boerum Place (Cast Iron  
 Soil; Fittings) ..... AA

**PIPE (Con.)**

Wilson & Baillie Mfg. Co.  
 (Cement; Sewer) ..... B

**N. Y.—Buffalo**

Lyth & Sons, Jno. (Cast Iron  
 Culvert; Sewer) ..... AA

**N. Y.—Elmira**

Wyckoff & Son, A. (Acid  
 Proof Wood; Tan Liquor;  
 Wooden; Water) ..... B

**N. Y.—Lockport**

Amer. District Steam Co.  
 (Wood) ..... AAA

**N. Y.—Newburgh**

Coldwell-Wilcox Co. (Cast  
 Iron; High Pressure for  
 Steam; Hot Water) .... B  
 New York City

Abendroth Bros., 109 Beck-  
 man (Cast Iron Soil; Fit-  
 tings) ..... A

Abendroth & Root Mfg. Co.,  
 99 John (Hydraulic, Steel  
 Riveted from 16 B. W. G.  
 to 1-2 in. thick; Spiral  
 Riveted Steel; Blast; Gal-  
 vanized Iron; Punched;  
 Formed; Sheet Iron; Soil)  
 A

**Bishop Gutta Percha Co.**

(Gutta Percha) ..... B

Central Fdry. Co., 116 Nas-  
 sau (Cast Iron Soil; Fit-  
 tings) ..... AAA

Colwell Lead Co., 63 Centre  
 (Block Tin; Lead, Tin  
 Lined) ..... AA

Drummond & Co., M. J., 192  
 Bway. (Cast Iron Gas;  
 Water) ..... A

Eaton, Cole & Burnham Co.  
 (Brass) ..... AAAA

Fox & Co., Jno., 253 Bway.  
 Mfrs. Agts. (Cast Iron  
 Gas; Water) ..... B

Gutta Percha & Rubber Mfg.  
 Co. (Gutta Percha), AAAAA

Koven & Bros., L. O., 50  
 Cliff (Riveted Steel) ... A

Mayor, Lane & Co. (Lead) A

Mott Iron Wks., J. L., 88  
 Beekman (Cast Iron Soil;  
 Fittings) ..... AA

Mullaney's Son, Jas., 25th  
 Cor. Lex. Av. (Flush; Sup-  
 ply) ..... D

Nat'l Lead Co., 100 William  
 Block Tin; Lead, Tin  
 Lined) ..... AAAAA

N. Y.—Orangeburg

Fibre Conduit Co. (Wood  
 Fibre) ..... B

N. Y.—Rochester

Enterprise Fdry. Co., 48  
 Olean (Cast Iron Soil; Fit-  
 tings) ..... B

Standard Sewer Pipe Co.  
 (Conduit; Sewer) ..... A

N. Y.—Syracuse

Howard & Jennings (Wood-  
 en; Water) ..... D

N. Y.—Troy

Troy Stamping Co. (Stove)  
 AAAAA

N. Y.—Utica

International Heater Co.  
 (Hot Air Furnace; Tin;  
 Stove) ..... AAA

Miller & Son Co., Chas.  
 (Cast Iron; Lead; Sewer)  
 AA

N. C.—Charlotte

Charlotte Pipe & Fdry. Co.  
 (Cast Iron Soil; Fittings)  
 B

N. C.—Pomona

Pomona Terra Cotta Co.  
 (Sewer; Chimney Flue;  
 Terra Cotta) ..... B

OHIO—Akron

Buckeye Sewer Pipe Co.  
 (Sewer) ..... A

Robinson Clay Product Co.  
 (Sewer; Stove) ..... AAAAA

OHIO—Calumet

Amer. Sewer Pipe Co. (Cul-  
 vert; Sewer) ..... AAAAA

OHIO—Canton

Berger Mfg. Co. (Steel)  
 AA

Canton Steel Roofing Co.  
 (Stove) ..... A

OHIO—Cincinnati

Cinn. Sewer Pipe Co. (Flue;  
 )

**PIPE (Con.)**  
 Culvert; Sewer) .....E  
 Edwards Mfg. Co. (Stove) .....C  
 Tudor Boiler Mfg. Co. (Riv-  
 eted Steel) .....B  
**OHIO—Cleveland**  
 Avery Stamping Co. (Steel) .....B  
 Garry Iron & Steel Roofing  
 Co. (Galvanized Iron;  
 Stove) .....A  
 King Bridge Co. (Riveted  
 Steel) .....AAAA  
 Ohio Brass & Iron Mfg. Co.  
 (Brass) .....B  
 Sanitary Co., 335 Huron  
 (Flush; Supply) .....B  
 Van Wagoner Co. (Stove) .....X  
**OHIO—Columbiana**  
 Columbiana Boiler Co. (Riv-  
 eted Steel) .....C  
**OHIO—Girard**  
 Girard Boiler & Mfg. Co.  
 (Riveted Steel) .....D  
**OHIO—Hadenville**  
 Haydenville Co. (Sewer) .....A  
**OHIO—Jackson**  
 Crown Casting Co. (Cast  
 Iron Soil; Fittings) ....B  
**OHIO—Lowellville**  
 Masillon Iron & Steel Co.  
 (Cast Iron; Gas; Water;  
 also Flange Pipe; Fit-  
 tings) .....A  
**OHIO—Masillon**  
 Meehan Boiler & Construc-  
 tion Co. (Riveted Steel) .....B  
**OHIO—Nelsonville**  
 Nelsonville Fdry & Machine  
 Co. (Cast Iron Gas;  
 Steam; Water) .....B  
**OHIO—New Philadelphia**  
 Ohio Stove Pipe & Mfg. Co.  
 (Stove) .....E  
**OHIO—Salem**  
 Clark Co., W. J. (Sheet  
 Metal; Grooved Steam) .....A  
**OHIO—Springfield**  
 Leffel & Co., Jas. (Riveted  
 Steel; Cast Iron Gas;  
 Steam; Water) .....AA  
**OHIO—Steubenville**  
 La Belle Iron Wrks. (&  
 Tube Mills) .....AAAA  
**OHIO—Toronto**  
 Francy's Sons & Co., Jno.  
 (Sewer) .....AAAA  
 Great Western Fire Clay Co.  
 (Sewer) .....AAAA  
**OHIO—Warren**  
 Warren City Boiler Wrks.  
 (Riveted Steel) .....A  
**OHIO—Youngstown**  
 Pollock Co., Wm. B. (Hy-  
 draulic Riveted Steel;  
 Iron) .....AA  
 Youngstown Iron Sheet &  
 Tube Co. (Iron; Steel;  
 Boiler Tubes; from 5-8 to  
 8 inch; Galvanized) .....AAAA  
**OREGON—Portland**  
 Oregon Iron & Steel Co.,  
 Sherlock Bldg. (Cast Iron  
 4 to 32 inch; Gas; Water) .....B  
 Phoenix Iron Works (Riv-  
 eted Steel) .....D  
**PA.—Allegheny**  
 Carlin's Sons, Thos. (Steel;  
 Culvert Steel) .....A  
 Pittsburgh Lamp, Brass &  
 Glass Co. (Brass) .....AAAA  
**PA.—Allentown**  
 Albright's Son & Co. (Blast;  
 Wrought Iron) .....AA  
**PA.—Bradock**  
 McVay & Walter (Cast Iron  
 Soil; Fittings) .....A  
**PA.—Chester**  
 Penn. Steel Casting &  
 Mach. Co. (Cast Steel;  
 from 6 inch up) .....AA  
 South Chester Tube Co.  
 (Mills) .....AAA  
**PA.—Coates**  
 Coatesville Rolling Mill Co.  
 (Boiler Tubes) .....AAAA  
 Worth Bros. Co. (Sap Weld-  
 ed; Charcoal Iron; Boiler  
 Tubes) .....AA

**PIPE (Con.)**  
**PA.—Conshohocken**  
 Longmead Iron Co. (Black;  
 Galvanized) .....AA  
**PA.—Emaus**  
 Donaldson Iron Co. (Cast  
 Iron; Gas; Steam; Water;  
 Cast Iron Culvert) ...AA  
**PA.—Harrisburg**  
 Harrisburg Mfg. & Boiler  
 Co. (Riveted Steel;  
 Flange) .....A  
 Harrisburg Pipe & Pipe  
 Bending Co. (Mills) .AAA  
**PA.—McKeesport**  
 Nat'l Tube Co. (Wrought  
 Iron; Steam; Gas; Water)  
 AAAA  
**PA.—Middletown**  
 Amer. Tube & Iron Co.  
 (Cast Iron; Drive Well;  
 Flange; Galvanized; Oil  
 Line; Steel; Wrought  
 Iron; Gas; Steam Water)  
 AAAA  
**PA.—Montclare**  
 Hallman, Oliver (Cast Iron  
 Soil; Fittings) .....E  
**PA.—Nazareth**  
 Nazareth Fdry. & Mach. Co.  
 (Cast Iron) .....B  
**PA.—New Brighton**  
 Pittsburg Clay Mfg. Co.  
 (Culvert; Sewer; Fire  
 Clay; Stove) .....AAAA  
**PA.—New Castle**  
 Penna. Engineering Wrks.  
 (Riveted Steel) .....AA  
**PA.—Philadelphia**  
 Amer. Pipe Mfg. Co., 114 N.  
 Broad (Block Tin; Patent  
 Cement Hydraulic;  
 Wrought Iron; Cement  
 Lined; Cast Iron Steam;  
 Gas; Water; Sewer)  
 AAAA  
 Berger Bros. Co. (Galvanized  
 Iron) .....A  
 Blatchley, C. G. (Wooden;  
 Water) .....B  
 Haines, Jones & Cadbury,  
 1136 Ridge Av. (Flush;  
 Supply; Cast Iron Soil;  
 Fittings) .....AA  
 Hibbs, E. A., 213 Quarry  
 (Riveted Steel) .....B  
 Lewis & Bros. Co., Jno. T.,  
 231 S. Front (Block Tin;  
 Lead; Tin Lined) .AAAA  
 Pfeiffer & Co. (Ltd.) Jno.  
 (Stove) .....A  
 Thompson & Co., J. (Cast  
 Iron; Gas; Steam; Water)  
 A  
 Wood & Co., R. D. (Cast  
 Iron; Gas; Steam; Water  
 Cast Iron Culvert) .....AAAA  
**PA.—Pittsburg**  
 Amer. Fdry. & Pipe Co.,  
 Frick Bldg. (Cast Iron  
 Soil; Fittings) .....B  
 Bailey-Farrell Mfg. Co., 619  
 Smithfield (Lead; Tin  
 Lined; Tin) .....AA  
 Best Mfg. Co., 25th & A. V.  
 Rv. (Hydraulic) ....AA  
 Budke Mfg. Co. (Stove) ..B  
 Byers Co., A. M. (Oil Line;  
 Wrought Iron; Steam;  
 Gas; Water; Tube Mills)  
 AA  
 Carroll-Porter Boiler &  
 Tank Co., Empire Bldg.  
 Riveted Steel; Steel) ..B  
 Childs & Co., Harvey L.  
 (Wooden; Water) ....AA  
 Gillespie Co., T. A., West-  
 inghouse Bldg. (Riveted  
 Steel) .....AAA  
 McNeil & Bro. Co., Jas.  
 (Riveted Steel) .....A  
 Monongahela Tube Co., Fer-  
 guson Bldg. (Iron; Steel  
 Boiler Tubes) .....A  
 Nat'l Tube Co. (Stove; Tube  
 Mills) .....AAAA  
 Pittsburg Brass Mfg. Co.  
 (Brass) .....D  
 Pittsburg Seamless Tube Co.,  
 Arrott Bldg. (Seamless  
 Boiler Tubes) .....X  
 Pittsburg Tube Co.  
 (Wrought Iron; Steam;  
 Gas; Water) .....B

**PIPE (Con.)**  
 Riter-Conley Mfg. Co., 55  
 Water (Riveted Steel;  
 Iron; Cast Iron; Gas;  
 Steam; Water) .....AAA  
 Safety Armorite Conduit Co.,  
 Frick Bldg. (Loricated  
 Water) .....AA  
 Scaife & Sons Co., Wm. B.,  
 221 1st Av. (Riveted  
 Steel; Copper) .....AAA  
 Spang, Chalfant & Co. (&  
 Tube Mills) .....AAAA  
 Standard Mfg. Co. (Enamell-  
 ed; Lead; Iron Soil; Soil  
 Porcelain lined) .....AA  
**PA.—Reading**  
 Reading Fdry. Co. (Ltd.)  
 (Cast Iron; Gas; Steam;  
 Water) .....X  
 Reading Iron Co. (Hydraul-  
 ic; Lead Pipe; Oil Line;  
 Wrought Iron; Steam;  
 Gas; Water) .....AAAA  
 Reading Scale Co. (Cast  
 Iron Soil; Fittings) ....A  
**PA.—Sharon**  
 Sharon Boiler Wrks. (Ltd.)  
 (Blast) .....A  
**PA.—Sharpsburg**  
 Moorhead Bros. & Co. (Inc.)  
 (Iron Pipe) .....AA  
**PA.—Sheffield**  
 Wood & Son, G. R. (Wood)  
 D  
**PA.—Warren**  
 Struthers, Wells Co. (Rivet-  
 ed Steel) .....AA  
**PA.—Washington**  
 Petroleum Iron Wrks. Co.  
 (Riveted Steel) .....A  
 Tyler Tube & Pipe Co.  
 (Wrought Iron; Steam;  
 Gas; Water) .....A  
**PA.—Wilkesbarre**  
 Vulcan Iron Wrks. (Cast  
 Iron; Gas; Steam; Water)  
 AAAA  
**PA.—Williamsport**  
 Keeler Co., E. (Riveted  
 Steel Spiral) .....A  
**PA.—York**  
 Smith Co., S. Morgan  
 (Flume Work) .....AAA  
 York Mfg. Co. (Riveted  
 Iron) .....AAA  
**R. I.—Providence**  
 Amer. Enamel Co. Wrought  
 Iron Enamelled Water) B  
 New England Ventilating &  
 Heating Co. (Stove) ....D  
**TENN.—Chattanooga**  
 Chattanooga Pipe & Fdry.  
 Co. (Cast Iron Soil; Fit-  
 tings) .....A  
**TENN.—Memphis**  
 Livermore Fdry & Mach. Co.  
 (Cast Iron; Gas; Steam;  
 Water) .....A  
**VT.—Fair Haven**  
 Dalrymple Iron Wrks. (Cast  
 Iron; Gas; Steam; Water)  
 E  
**VA.—Bristol**  
 Virginia Iron Coal & Coke  
 Co. (Cast Iron) .....A  
**VA.—Lynchburg**  
 Glamorgan Pipe & Fdry. Co.  
 (Cast Iron; Gas; Steam;  
 Water) .....AA  
**WASH.—Olympia**  
 Puget Sound Pipe Co.  
 (Wood) .....B  
**WASH.—Seattle**  
 Seattle Supply Co. (Cast  
 Iron Soil; Fittings) ....B  
**WASH.—Spokane**  
 Union Iron Wrks. (Hydraul-  
 ic; Riveted Steel) ....B  
**W. VA.—Wheeling**  
 Wheeling Steel & Iron Co.  
 (Wrought Iron; Steel;  
 Capacity 400 Tons)  
 AAAA  
**WIS.—Cudahy**  
 Power & Mining Machry. Co.  
 (Hydraulic Steel Riveted;  
 Spiral Riveted) ....AAA  
**WIS.—Milwaukee**  
 Milwaukee Brass Mfg. Co.  
 (Bath; Basin Cock; Sup-  
 ply; &c.) .....O

**PIPE (Con.)**  
 Vilter Mfg. Co. (Ammonia)  
 AA  
**WIS.—Racine**  
 Freeman & Sons Mfg. Co., S.  
 (Riveted Steel; Steel)  
 A

## PIPES

See Blowpipes

**CAL.—Lincoln**  
 Gladding, McBean & Co.  
 (Chimney) .....AA  
**CAL.—Los Angeles**  
 Pacific Clay Mfg. Co.  
 (Chimney; Terra Cotto)  
 A  
**CONN.—Bridgeport**  
 Belknap Mfg. Co. (Hose)  
 O  
**CONN.—New Haven**  
 Peck Bros. & Co. (Hose)  
 A  
**CONN.—Stamford**  
 Murphy Mfg. Co. (Cigar  
 Shaped) .....F  
**GA.—Augusta**  
 Lombard Iron Wrks. & Sup-  
 ply Co. (Stand) .....A  
**ILL.—Batavia**  
 U. S. Wind Engine & Pump  
 Co. (Stand Railway) ..AA  
**ILL.—Chicago**  
 Reiss Bros. & Co. (Smoking;  
 Meershaum) .....AA  
 Turner Brass Wrks., Frank-  
 lin & Michigan (Blow)  
 A  
**IND.—Evansville**  
 Diamond Cob Pipe Co.  
 (Smoking) .....E  
**IOWA.—Muscatine**  
 Stark, C. (Clay Smoking)  
 H  
**KANS.—Lyons**  
 Lyons Mfg. Co. (Cob Smok-  
 ing) .....G  
**KY.—Bowling Green**  
 Ky. Cob Pipe Co. (Cob  
 Smoking) .....F  
**LA.—New Orleans**  
 N. O. Roofing & Metal Wks.  
 (Conductor) .....A  
**LA.—Shreveport**  
 Shreveport Blow Pipe &  
 Sheet Iron Wrks. (Blow)  
 O  
**MAINE—Waterville**  
 Webber & Philbrick (Stand  
 Railway) .....B  
**MD.—Baltimore**  
 Hull Mfg. Co., J. S., 125 E.  
 Falls Av. (Blow) .....X  
**MASS.—Boston**  
 Boston Belting Co., 256 De-  
 vonshire (Hose) ..AAAA  
 Hodge Boiler Wrks. (Stand)  
 A  
 Van Noorden Co., E. (Con-  
 ductor) .....O  
**MASS.—Cambridge**  
 Lamb & Ritchie (Conductor)  
 AA  
**MASS.—Lowell**  
 Scannell Boiler Wrks.  
 (Stand) .....B  
**MASS.—Millis**  
 Ware, Marcellus A. (Organ)  
 X  
**MASS.—Reading**  
 Pierce Organ Pipe Co., Sam'l  
 (Organ) .....C  
**MASS.—Westfield**  
 Hedges, Edwin B. (Organ)  
 F  
**MICH.—Three Rivers**  
 Sheffield Car Co. (Stand;  
 Railway) .....AA  
**MO.—St. Charles**  
 Mo. Corn Cob Pipe Co.  
 (Cob Smoking) .....E  
**MO.—St. Louis**  
 Mo. Corn Cob Pipe Co.  
 (Cob; Smoking) .....E  
**MO.—Washington**  
 Amer. Cob Pipe Co. (Cob;  
 Smoking) .....D  
 Calvin, J. L. (Cob; Smok-  
 ing) .....X  
 Degen-Breckenkamp Mfg.  
 Co. (Cob; Smoking) ..C  
 Detmold Pipe Wrks. (Cob;  
 Smoking) .....X

## PIPES (Con.)

Hirschel & Bendheim (Cob; Smoking) .....A  
Sweetheart Pipe Co. (Cob; Smoking) .....X  
Tibbe & Son Mfg. Co., H. (Cob; Smoking) .....B  
N. J.—Elizabeth  
Braunsdorf-Mueller Co. (Blow) .....D  
N. J.—Newark  
Berns, Otto, S. 13th, cor. S. Orange Av. (Blow) ..B  
N. J.—Paterson  
Paterson Heater Pipe Co. (Conductor) .....H  
N. J.—Town of Union  
Smith, J. W. & J. T. (Clay Smoking) .....H  
N. Y.—Durhamville  
Amer. Clay Pipe Co. (Clay Smoking) .....D  
N. Y.—Kingston  
Wieber, Henry E. (Blow) ..D

New York City  
Baylis Co., 140 Wash'n (Blow) .....D  
Eaton, Cole & Burnham Co., 253 B'way (Hose) .AAAA  
Empire Rubber Mfg. Co., 88 Reade (Hose) .....AA  
De Muth & Co., W. (Smoking; Meerscham Smoking) .....AAA  
Haydenville Co., 150 Nassau (Hose) .....A  
Kaldenberg Imptg. & Trading Co. (Smoking; Meerscham Smoking) .....D  
Kaufmann Bros. & Bondy, 129 Grand (Smoking; all kinds) .....AA  
Metropolitan Tob. Co. (Smoking) .....AA  
Samter & Co., M. L. (Smoking) .....X  
Stehr, Gus. (Meerscham; Smoking) .....F  
N. Y.—Oneida  
Amer. Clay Pipe Co. (Clay Smoking) .....D  
OHIO—Canton  
Berger Mfg. Co. (Conductor) .....AA  
Best Street Light Co. (Blow) .....B  
OHIO—Cincinnati  
Klechler Mfg. Co. (Blow) ..C

OHIO—Cleveland  
Garry Iron & Steel Co. (Conductor) .....A  
King Bridge Co. (Stand; Railway) .....AAAA  
OHIO—Columbus  
Rarig Engineering Co. (Stand) .....X  
OHIO—Mogadore  
Akron Smoking Pipe Co. (The) (Clay Smoking) ..B  
OHIO—Painesville  
Painesville Cob Pipe & Mfg. Co. (The) (Cob Smoking) ..F

PA.—Erie  
Felgemaker, A. B. (Organ) ..A  
PA.—Philadelphia  
Boekel & Co., Wm., 518 Vine (Blow) .....A  
Harvey, Moland & Co. (Chimney) .....X  
Harvey & Watts Co. (Nicotine Absorbent; Smoking) ..A  
Stortz & Son, Jno., 210 Vine (Blow) .....E  
Zorn & Co., Geo. (Smoking) ..A

PA.—Pittsburg  
Carroll-Porter Boiler & Tank Co. (Stand) .....B  
Marshall Bros. (Stand) ..AA  
Munroe & Son Mfg. Corp'n, R. (Stand) .....AA  
Riter-Conley Mfg. Co. (Stand) .....AAA  
PA.—Sharon  
Sharon Boiler Wrks. (Stand) ..A

PA.—Warren  
Struthers, Wells Co. (Stand) ..AA

## PIPES (Con.)

PA.—York  
York Mfg. Co. (Stand) ..AAA  
TENN.—Chattanooga  
Casey & Hedges Mfg. Co. (Stand) .....A  
TENN.—Murfreesboro  
Central Pipe Co. (Cob Smoking) .....F  
VT.—Burlington  
Reed & Co., J. G. (Smoking) ..B  
W. VA.—Wheeling  
Wheeling Corrugating Co. (Conductor) .....AAAA  
WIS.—Racine  
Freeman & Sons Mfg. Co., S. (Stand) .....A

## PIPING

ILL.—Chicago  
Wolf Co., Fred W. (Brine) ..AAA

PA.—Pittsburg  
Best Mfg. Co., 25th & A. V. Ry. (High Pressure) ..AA  
Pittsburg Piping & Equipment Co., 35th & Smallman (High Pressure) ...D  
Pittsburg Valve, Fdy. & Construction Co., 5th & Duquesne Way (High Pressure) .....AAA  
WIS.—Milwaukee  
Vilter Mfg. Co. (Brine) ..AA

## PISTOLS

See also Firearms

CONN.—Bridgeport  
Ives Mfg. Co. (Paper Cap) ..C

CONN.—Cromwell  
Stevens Co., J. & E. (Paper Cap) .....AAAA

CONN.—New Britain  
Landers, Frary & Clark (Paper Cap) .....AAA

N. H.—Keene  
Wilkins Toy Co. (Paper Cap) .....AAA

N. J.—Newark  
Paulus Mfg. Co. (Cap) ....F

PA.—Freemansburg  
Shlmer, Son & Co., Wm. (Paper Cap) .....B

R. I.—Pawtucket  
Bliss Mfg. Co., R. (Paper Cap) .....A

## PISTONS

N. Y.—Buffalo  
Pratt & Letchworth Co. (Locomotive) .....AAA

PA.—Philadelphia  
Midvale Steel Co. (Locomotive) .....AAAA

PA.—Pittsburg  
Carnegie Steel Co. (Ltd.) ..AAAA

## PITCH

GA.—Atlanta  
Southern Roofing Co. (Paving; Roofing) .....D

GA.—Savannah  
Shotter Co., S. P. (Brewers'; Brush Makers') ..AAAA

ILL.—Chicago  
Barrett Mfg. Co. (Paving; Roofing) .....AAAA

Falk, Wormser & Co. (Brewers') .....A

Ford Mfg. Co., 731 S. Ashland Av. (Paving; Roofing) .....B

Goldman & Co., E. (Brewers') .....A

Magnus Sons' Co. (Brewers') ..B

Shotter Co., S. P. (Brewers') .....AAAA

ILL.—Rock Island  
Lewis Roofing Co. (Paving; Roofing) .....B

MASS.—Boston  
Chapman & Soden, 410 Atlantic Av. (Paving; Roofing) .....A

Warren Bros. Co., 93 Fed-

**PITCH (Con.)**  
eral (Paving; Roofing) X2

**MO.—St. Louis**  
Asphalt Roofing Co., 808  
Theresa Av. (Paving;  
Roofing) .....X  
Burch & Co., E. A. (Brew-  
ers') .....X  
Trinidad Asphalt Mfg. Co.  
(Paving; Roofing) .....A  
**N. J.—Elizabeth**  
Rankin Co., W. H. (Paving;  
Roofing) .....AA  
**N. Y.—Brooklyn**  
Coal Tar Products Co., 71  
Commerce (Paving; Roof-  
ing) .....D  
**N. Y.—Buffalo**  
Schoellkopf, Hartford &  
Hanna Co. (Paving; Roof-  
ing) .....AAA  
**New York City**  
Casey Co., Jno. A., 141  
Maiden Lane .....A  
Heyman & Fischer (Brew-  
ers') .....C  
Longman & Martinez, 207  
Pearl (Brewers') .....AAA  
Marx & Rawolle (Brewers')  
AA  
Schwenker, W. M. (Brew-  
ers') .....B  
Sealy, Thomas, 142 Front..C  
Tide Water Oil Co. (Paving)  
AAAA  
Warren Chemical & Mfg.  
Co. (Roofing) .....A  
Zinsser & Co., Wm., 197  
William (Brewers') .....A  
Zoller & Co., Chas. (Brew-  
ers') .....C  
**N. C.—Wilmington**  
Martin & Co., W. A. (Pine;  
Paving; Roofing) .....D  
**OHIO—Cincinnati**  
British-American Co., 1256  
W. Front .....E  
Chatfield & Woods Co., 347  
W. 4th (Paving; Roofing)  
A

**OHIO—Lockland**  
Carey Mfg. Co., Philip (As-  
bestos Roofing; Paving;  
Asphalt) .....AAA  
**PA.—Bradford**  
Smith Chemical Co., A. B.  
B

**PA.—Johnstown**  
Cambria Steel Co. (Paving;  
Roofing) .....AAAA  
**PA.—Philadelphia**  
Barber Asphalt Paving Co.,  
Land Title Bldg. (Paving;  
Roofing) .....AAAA  
Garrett & Son Co., C. S. AA

**PA.—Pittsburg**  
McClintock & Irvine Co.  
(Paving; Roofing) .....B  
**TENN.—Nashville**  
Nashville Chemical Co., 919  
N. Front (Paving; Roof-  
ing) .....D

**VA.—Richmond**  
Armitage Mfg. Co., 3200  
Williamsburg Av. (Pav-  
ing; Roofing) .....B  
**WIS.—Milwaukee**  
Kiewit Co., Charles L.  
(Brewers') .....A

## PITCHERS.

See also Glassware; China-  
ware; Silverware; Tin-  
ware; Enamelled Ware,  
etc.

**CONN.—Meriden**  
Manning, Bowman & Co.  
(Beer; Enamelled; Milk;  
Molasses) .....AA  
Meriden Britannia Co.  
(Beer) .....AAAA  
**CONN.—Wallingford**  
Wallace & Sons' Mfg. Co.,  
R. (Beer) .....AAAA  
**ILL.—Monmouth**  
Weir Pottery Co. (Porce-  
lain) .....A  
**MO.—St. Louis**  
St. Louis Stamping Co.  
(Beer; Enamelled).AAAA

## PITCHERS (Con.)

**N. Y.—Buffalo**  
Shepard & Co., Sidney (Tin;  
Metal) .....AAAA  
**New York City**  
Bishop Gutta Percha Co.,  
420 E. 25th (Rubber)...B  
Cordley & Hayes (Fibre)...A  
International Silver Co.  
(Beer; Wine; Syrup, &c.)  
AAAA  
Lalanc & Grosjean Mfg.  
Co. (Enamelled; Milk; Mo-  
lasses) .....AAAA  
Stoutenborough, X. (Tin).D  
**N. Y.—Rochester**  
Rochester Stamping Co.  
(Cream) .....AAA  
**N. Y.—Rome**  
Rome Mfg. Co. (Metal)...B  
**PA.—Philadelphia**  
Fox & Sons, H. C. (Glass;  
Molasses) .....AA  
**PA.—Pittsburg**  
McKee Glass Co., S. (Glass;  
Molasses) .....D  
**W. VA.—Moundsville**  
Fostoria Glass Co. (Glass;  
Molasses) .....AAA  
**W. VA.—Wellsburg**  
Riverside Glass Works  
(Glass, Molasses) .....C  
**W. VA.—Wheeling**  
Central Glass Wks. (Glass,  
Molasses) .....A

## PITS

**PA.—Philadelphia**  
Woolford Wood Tank Mfg.  
Co. (Blow; Wooden)...B  
**PA.—Pittsburg**  
McClure, Son & Co., G. W.  
(Soaking) .....D  
Swindell & Bros., Wm.  
(Soaking) .....B

## PIVOTS

**ILL.—Chicago**  
Lawson Mfg. Co., 115 Lake  
(Door) .....E  
**N. Y.—Brooklyn**  
Bommer Bros. (Floor)...A  
**New York City**  
Sargent & Co., 151 Leonard  
(Stool; Chair) .....AAAA

## PLACES: FIRE

See Fireplaces

## PLAIDS

See Cotton Goods

## PLAITERS

See also Machy

**PA.—Philadelphia**  
North Bros. Mfg. Co. (Laun-  
dry) .....AA

## PLANERS

See also Machy; Tools

**CONN.—Ansonia**  
Farrell Fdy. & Machine Co.  
(Stone) .....AAAA  
**CONN.—Derby**  
Birmingham Iron Foundry  
(Stone) .....AA  
**CONN.—Hartford**  
Pratt & Whitney Co. (Metal  
Working) .....AAAA  
**CONN.—New Haven**  
New Haven Mfg. Co. (Metal  
Working) .....AA  
**CONN.—Norwich**  
Rogers & Co., C. B. (Buzz;  
Timber) .....AAAA  
**CONN.—Torrington**  
Hendey Machine Co. (Metal  
Working) .....AA  
**DEL.—Wilmington**  
Betts Machine Co. (Metal  
Working) .....AA  
Hilles & Jones Co. (Metal  
Working Plate) .....AAA  
**GA.—Atlanta**  
De Loach Mill Mfg. Co.



# PLANERS (Con.)

(Pony; Wood) ..... B  
**GA.—Augusta**  
 Lombard Iron Works & Supply Co. (Buzz) ..... A  
**ILL.—Cairo**  
 Reed, James B. (Metal Working) ..... B  
**ILL.—Chicago**  
 Marshall & Huschart Machinery Co., 62 S. Canal (Metal Working) ..... A  
**IND.—New Albany**  
 New Albany Mfg. Co. (Stone) ..... C  
**MAINE.—Bangor**  
 Union Iron Works (Buzz; Pony; Wood) ..... A  
**MD.—Baltimore**  
 Detrick & Harvey Machinery Co., 508 E. Preston (Metal Working; Open Side; Plate) ..... AA  
**MASS.—Boston**  
 Woods Machine Co., S. A., 445 Dorchester Av. (Buzz; Wood; Timber) ..... AA  
**MASS.—Fitchburg**  
 Fitchburg Machine Works (Frog; Switch; Metal Working) ..... B  
 Putnam Machine Co. (Metal Working Wood) ..... A  
**MASS.—Hyde Park**  
 Becker - Brainard Milling Machine Co. (Rotary) AA  
**MASS.—Lowell**  
 Carey, W. W. (Buzz) .... B  
**MASS.—Springfield**  
 Bullock Mfg. Co. (Electrotypers' Wood) ..... A  
**MASS.—Winchendon**  
 Whitney & Son, Baxter D. (Wood; Metal Working) AA  
**MASS.—Worcester**  
 Blaisdell & Co. P. (Metal Working) ..... A  
 Draper Machine Tool Co. (Metal) ..... B  
 Pond Machine & Foundry Co., L. W. (Metal Working) ..... X  
 Whitcomb Mfg. Co. (Metal Working; Wood) ..... B  
 Woodward & Powell Planer Co. (Frog; Switch; Sandstone; Metal Working). B  
**MICH.—Grand Rapids**  
 American Machinery Co. (J. W. Oliver, Prop.) (Buzz; Wood) ..... B  
 Porter, C. O. & A. D. (Hand Power) ..... C  
**MICH.—Jackson**  
 Dennis Machine Co. (Buzz) D  
**MICH.—Ludington**  
 Tubbs Mfg. Co. (Printers') B  
**MICH.—Muskegon**  
 Bass Machinery Co. (Cabinet) ..... E  
 Morton Mfg. Co. (Portable Metal Working) ..... B  
**MO.—St. Louis**  
 Hall & Brown Wood Working Machine Co. (Wood) A  
 Yerkes & Finan Wood Working Machine Co. (Wood) B  
**N. H.—Dover**  
 White & Co., Jno. A. (Wood) ..... C  
**N. H.—Keene**  
 Humphrey Machine Co. (Wood) ..... C  
**N. H.—Nashua**  
 Flather Planer Co., Mark (Metal Working) ..... B  
**N. J.—Newark**  
 Gould & Eberhardt (Metal Working) ..... A  
 Seymour & Whitlock (Wood, or Hand Feed Jointing). B  
**N. J.—Paterson**  
 Boyle & Sons, Jno. (Wood; Electrotypers' Wood) ... A  
**N. J.—Plainfield**  
 Pond Mach. Tool Co. (Wood) ..... AAAA  
**N. J.—Smithville**  
 Smith Machine Co., H. B. (Buzz; Wood) ..... A

# PLANERS (Con.)

**N. Y.—Brooklyn**  
 Wesel Mfg. Co., F. (Printers') ..... X  
**N. Y.—Buffalo**  
 Frank Machinery Co. (Buzz; Pony; Wood) ..... O  
 Holmes Machinery Co., E. & B. (Buzz; Pony Shingle; Wood; Timber) ..... B  
**N. Y.—Lockport**  
 Trevor Mfg. Co. (Wood; Shingle) ..... B  
**N. Y.—Middletown**  
 Morgan & Wilcox Mfg. Co. (Printers') ..... C  
**New York City**  
 American Wood Working Mach. Co., 136 Liberty (Buzz; Pony; Wood) AAAA  
 Cottrell & Sons' Co., C. B. (Electrotypers' Wood) AAA  
 Fairbanks & Co. (Metal) AAAA  
 Garvin Machine Co., cor. Spring & Varick (Metal Working; Buzz) ..... AA  
 Hoe & Co., R. (Printers') AAAA  
 Lovejoy Co. (Electrotypers' Wood) ..... B  
 McCabe, J. J. (Metal) ..... B  
 Manning, Maxwell & Moore, 85 Liberty (Metal Working) ..... AA  
 Niles-Bement-Pond Co., 136 Liberty (Frog; Switch; Metal Working; Open Side; Plate; Rotary; Buzz; Valve Seat; Wall) AAAA  
 Prybil, P., 512 W. 41st (Wood; Buzz) ..... AA  
 Sheridan Co., T. W. & C. B. (Book) ..... A  
**N. Y.—Rochester**  
 Gleason Works (Gear; Metal Working) ..... A  
 Wilson Machine Co., W. A., cor. River & Water (Metal Working) ..... B  
**N. C.—Winston-Salem**  
 Salem Iron Works (Inc.) (Wood) ..... A  
**OHIO—Cincinnati**  
 American Tool Works Co., 6th & Eggleston Av. (Metal Working) ..... AA  
 Belmer Mach. Tool Co. (Metal Working, 30-inch upward) ..... A  
 Cincinnati Planer Co., cor. Harrison Av. & Buck (Metal Working, 24-60 inches square, 30-36 inches square) ..... A  
 Cordesman Mach. Co., 27 Butler (Buzz; Pony; Wood) ..... X  
 Cordesman, Meyer & Co. ... B  
 Fay & Egan Co., J. A., cor. Front & John (Pony; Wood; Timber) ..... AAAA  
 Gray Co., G. A., Gest, cor. Depot (Metal Working) AA  
 Greaves, Klusman & Co., Cook, cor. Alfred (Wood) B  
 Rehtin & Bro., Louis E. (Wood) ..... D  
 Shepard Lathe Co., 129 W. 2d (Hand; Foot Power) F  
**OHIO—Cleveland**  
 Cleveland Punch & Shear Works Co., 156 Case Av. (Metal Working; Plate; Rotary) ..... A  
 Lane Tool Co., 1196 Hamilton (Metal Working) ... D  
 Oram, Jno. S., 160 Coe (Stave) ..... A  
 Strong, Carlisle & Hammond Co., 61 Frankfort (Wood) A  
**OHIO—Hamilton**  
 Bentel & Margedant Co. (Wood) ..... A  
**OHIO—Kenton**  
 Ohio Mach. Tool Co. (Met-

**PLANERS (Con.)**

al Working) .....C  
**OHIO—Lectonia**  
 Crescent Machine Co. (Buzz) D

**OHIO—Toledo**  
 Baker Bros. (Buzz) .....A

**PA.—Allegheny**  
 Pittsburg Mach. Tool Co. (Metal Working) .....A

**PA.—Bangor**  
 Flory Mfg. Co., S. (Slate) A

**PA.—Philadelphia**  
 Atlantic Works (Inc.), 23d & Arch (Wood) .....B

**Chambers Bros. Co. (Book)** AA

**Colladay, Jos. O., 626 Race** (Buzz; Wood) .....B

**Dallett Co., Thos. H. (Elec-** tric Wood) .....B

**Harrington, Son & Co., Ed-** win, 1505 Penna. Av. (Metal Working) .....AA

**Newton Mach. Tool Co. (Inc.), 2343 Vine (Rotary)** AA

**Pedrick & Ayer Co., 1001** Hamilton (Valve Seat Rotary) .....A

**Power & Co., L., 20 S. 23d** (Pony; Wood) .....A

**Sellers & Co. Wm. (Inc.),** 1600 Hamilton (Metal Working; Plate; Rail; Rotary) .....AAAA

**Stow Flexible Shaft Co. (Radius Link)** .....B

**PA.—Ridgeway**  
 Ridgeway Mach. Tool Co. (Metal Working) .....A

**PA.—Stroudsburg**  
 Tanite Co. (Emery) .....A

**PA.—Williamsport**  
 United States Machine Co. (Buzz, or Hand; Jointer) D

**R. I.—Providence**  
 Diamond Mach. Co. (Emery) B

**VT.—Montpelier**  
 Lane Mfg. Co. (Pony; Buzz; Wood; Timber) .....A

**VT.—Rutland**  
 Lincoln Iron Works (Stone) A

**Patch Mfg. Co., F. R. (Stone)** .....B

**WIS.—Beloit**  
 Berlin Mach. Wks. (Buzz; Wood) .....AAAA

**WIS.—Two Rivers**  
 Hamilton Mfg. Co. (Printers') .....AA

**PLANES**

**CONN.—New Britain**  
 Stanley Rule & Level Co. (Adjustable; Bead; Combination; Iron; Match; Rabbet; Slitting; Wood) AA

**Union Mfg. Co. (Iron; Wood)** .....AA

**CONN.—New Haven**  
 Sargent & Co. (Match; Venetian Blind; Routing; Slitting; Iron; Wood) AAAA

**CONN.—Pine Meadow**  
 Chapin-Stephens Co. (Bench, Ship Moulding & Grooving; Adjustable; Bead; Combination; Dado; Hollows & Rounds; Iron; Iron Throat; Joiners'; Match; Ovolo; Rabbet; Routing; Slitting; Venetian Blind; Fillister) ..A

**CONN.—Rockfall**  
 Smith, Otis A. (Bench) ...B

**CONN.—Saugatuck**  
 Doscher Plane & Tool Co. E

**ILL.—Carpentersville**  
 Illinois Iron & Bolt Co. (Rabbet) .....AA

**ILL.—Chicago**  
 Allis-Chalmers Co., Home Ins. Bldg. (Incline).AAAA

**PLANES (Con.)**

**MD.—Baltimore**  
 Detrick & Harvey Machine Co. (Iron) .....AA

**MASS.—Brockton**  
 Snell & Atherton (Edge) ..C

**MASS.—Fitchburg**  
 Johnson Arms & Cycle Wks., Iver (Iron) .....AA

**MICH.—Grand Rapids**  
 Letellier & Co., F. (Adjustable) .....B

**N. J.—Vineland**  
 Gage Tool Co. (Adjustable; Bench; Iron Throat; Venetian Blind) .....A

**N. Y.—Buffalo**  
 White Co., L. & I. J. (Iron) A

**N. Y.—Hudson**  
 Gifford Bros. (Incline) ....A

**New York City**  
 Jennings & Co., C. E. (Iron) B

**Tower & Lyon Co., 95 Chambers** (Iron; Combination) B

**N. Y.—Schenectady**  
 General Electric Co. (Electric Incline) .....AAAA

**OHIO—Columbus**  
 Ohio Tool Co. (Adjustable; Bead; Bench; Circular; Dado; Fillister; Hollows; Rounds; Match; Moulding; Ovolo; Rabbet; Routing; Ship; Slitting; Toy; Venetian Blind; Iron; Wood; Plane Irons) ..AA

**OHIO—Sandusky**  
 Sandusky Tool Co. (Adjustable; Bead; Bench; Hollows; Rounds; Moulding; Iron Throat; Match; Rabbet; Routing; Slitting; Venetian Blind) .....A

**PA.—Bangor**  
 Flory Mfg. Co., S. (Incline) A

**PA.—Pittsburg**  
 Millholland Co., J. & J. B., 718 5th Av. (Incline) ..A

**Scaife Fdy. & Machine Co. (Incline)** .....B

**PLANIMETERS**

**MASS.—Boston**  
 American Steam Gauge & Valve Mfg. Co. (Polar) ..A

**Crosby Steam Gauge & Valve Co., 97 Oliver (Polar)** .....AA

**Star Brass Mfg. Co., 103 E. Dedham** .....A

**N. Y.—Brooklyn**  
 Schaefer & Budenburg (Polar) .....D

**New York City**  
 Ashcroft Mfg. Co., 85 Liberty .....A

**Bushnell Co., Jno. S., 126 Liberty** .....E

**Keuffel & Esser Co.** .....AA

**Robertson & Sons, Jas. L., 204 Fulton** .....D

**Thompson & Co., Richard, 126 Liberty** .....F

**PA.—Scranton**  
 Union Steam Specialty Co. A

**PLANTERS**

See also Agr. Imps.

**GA.—Rome**  
 Towers & Sullivan Mfg. Co. (Cotton) .....B

**ILL.—Bradley**  
 Bradley Mfg. Co., David (Cotton; Corn) ....AAA

**OHIO—Canton**  
 Parlin & Orendorff Co. (Corn; Cotton) .....AAAA

**ILL.—Decatur**  
 Chambers, Bering, Quinlan Co. (Corn; Potato) ....A

**Haworth & Sons Mfg. Co. (Corn)** .....AA

**Tait Mfg. Co., F. B. (Corn)** A

**PLANTERS (Con.)**

ILL.—Galesburg  
Colton & Co., G. D. (Corn) 0

ILL.—Galva  
Hayes Pump & Planter Co. (Corn) .....A

ILL.—Moline  
Deere & Mansur Co. (Corn; Cotton; Potato) .....AAAA  
Moline Plow Co. (Corn) .....AAAA

Sechler Carriage Co., D. M. (Corn) .....AA

ILL.—Ottawa  
Porter Co., J. E. (Corn) ...A

ILL.—Peoria  
Avery Mfg. Co. (Corn) .....AAA

Kingman & Co. (Corn, Hand) .....AAAA

ILL.—Rockford  
Emerson Mfg. Co. (Corn, Hand; Corn, Machine; Cotton) .....AAAA

ILL.—Rock Island  
Rock Island Plow Co. (Cotton; Corn) .....AAAA

ILL.—Sandwich  
Sandwich Mfg. Co. (Cotton) AA

ILL.—Sterling  
Harrison Mfg. Co. (Corn, Hand) .....F

Keystone Co. (Corn; Rotary Drill; Check Row) .....AA

Sterling Mfg. Co. (Corn) ...A

IND.—Bluffton  
Bluffton Mfg. Co. (Corn) .C

IND.—Richmond  
Eureka Fence Mfg. Co. (Corn, Hand; Corn, Machine) .....F

Wayne Works (Corn) ...A

IOWA—Fort Madison  
Morrison Mfg. Co. (Corn; Cotton) .....AA

KY.—Louisville  
Avery & Sons, B. F. (Corn; Cotton) .....AAA

MASS.—Boston  
Ames Plow Co. (Corn) .....AAAA

MASS.—Chicopee Falls  
Belcher & Taylor Agricultural Tool Co. (Corn; Potato) .....A

MICH.—Adrian  
Babcock Planter Co. (Corn, Hand) .....F

MICH.—Burr Oak  
Sheffield Mfg. Co. (Corn, Hand) .....B

MICH.—Greenville  
Greenville Planter Co. (Corn, Hand) .....B

MICH.—Jackson  
Aspinwall Mfg. Co. (Corn; Potato) .....B

MICH.—Traverse City  
Potato Implement Co. (Corn, Hand) .....D

M. J.—Grenloch  
Bateman Mfg. Co. (Potato) A

M. J.—Millington  
Nash, Duane H. (Corn, Hand) .....B

M. Y.—Batavia  
Wiard Plow Co. (Corn, Hand) .....AA

M. Y.—Jamestown  
Chataqua Planter Co. (Corn, Hand) .....E

Vandergrift Mfg. Co. (Corn, Hand) .....A

M. Y.—Lyons  
Nagley Mfg. Co. (Corn; Pumpkin, Hand) .....D

M. Y.—Warsaw  
Warsaw Elevator Co. (Corn) B

OHIO—Akron  
Whitman & Barnes Mfg. Co. (Corn, Hand) .....AAAA

OHIO—Canton  
Kohler & Co., F. E. (Corn, Hand; Corn, Machine) ...B

OHIO—Columbus  
Brown, Hixman & Huntington Co. (Corn, Hand) ...A

OHIO—Dayton  
Ohio Bake Co. (Corn) ...AA

**PLANTERS (Con.)**

Stoddard Mfg. Co. (Corn) AAA

OHIO—Galena  
Hughes & Smythe (Corn, Hand) .....0

OHIO—Hamilton  
Deuscher Co., H. P. (Corn) A

OHIO—Lancaster  
Eagle Machine Co. (Corn, Hand) .....A

OHIO—Middletown  
McSherry Mfg. Co. (Corn) A

OHIO—Springfield  
Foos Mfg. Co. (Corn) ....A

PA.—York  
Farquhar & Co., A. B. (Corn; Cotton) .....AAA

Keystone Farm Mach. Co. (Ltd.) (Corn) .....B

Spangler Mfg. Co. (Corn) .C

VA.—Norfolk  
Whitehurst Co., R. W. (Cotton) .....B

VA.—Richmond  
Cardwell Mach. Co. (Corn) A

WIS.—Beloit  
Thompson & Sons' Mfg. Co., J. (Corn) .....AA

WIS.—Janesville  
Kent Corn Planter Co. (Corn, Hand) .....E

Rock River Mach. Co. (Corn, Hand) .....D

WIS.—Madison  
Fuller & Johnson Mfg. Co. (Corn) .....AAA

WIS.—Racine  
Winship Mfg. Co. (Corn, Hand) .....E

WIS.—Beloit  
Thompson & Sons' Mfg. Co., J. (Corn) .....AA

WIS.—Janesville  
Kent Corn Planter Co. (Corn, Hand) .....E

Rock River Mach. Co. (Corn, Hand) .....D

WIS.—Madison  
Fuller & Johnson Mfg. Co. (Corn) .....AAA

WIS.—Racine  
Winship Mfg. Co. (Corn, Hand) .....E

**PLANTS**

See also Millinery

ARIZ.—Nogales  
Arizona & Sonora Mfg. Co. (Cyanide) .....0

CONN.—Hartford  
Billings & Spencer Co. (Drop Forgings) .....AA

ILL.—Chicago  
Allis-Chalmers Co. (Cable Railway Power) .....AAAA

Botanical Decorating Co. of Chicago (Artificial; also Flowers) .....F

Macdonald Engineering Co., Monadnock Bldg. (Cold Storage) .....B

IND.—Fort Wayne  
Fort Wayne Electric Works (Electric Lighting) .AAA

MASS.—Boston  
Jones & Co., Melville D. (Iron) .....G

MICH.—Bay City  
Industrial Works (Coaling) AA

New York City  
Gerard, S. (Artificial) ...D

Howard & Morse (Drying; Ventilating) .....D

New York Ice Co. (Cold Storage) .....B

Western Electric Co., 57 Bethune (Electric Lighting) .....AAAA

N. Y.—Schenectady  
General Electric Co. (Electric Marine) .....AAAA

OHIO—Cincinnati  
Creaghead Engineering Co. (Electric Lighting) ....D

OHIO—Cleveland  
Merriam-Abbott Co. (Electric Lighting) .....D

OHIO—Mt. Vernon  
Cooper Co., C. & G. (Textile Mill) .....AA

PA.—Philadelphia  
Dodge Cold Storage Co., Nicetown (Cold Storage) A

PA.—Pittsburg  
Heyl & Patterson, 51 Water (Coal & Coke Crushing & Screening; Sand Handling) .....AA

Mesta Machine Co. (Besse-

**PLANTS (Con.)**

mer Steel) .....AAAA  
 Westinghouse Elec. & Mfg.  
 Co. (Electric Lighting;  
 Mining) .....AAAA  
**WIS.—Cudahy**  
 Power & Mining Machinery  
 Co. (Coal & Coke Crushing  
 & Screening) .....AAA

**PLAQUES**

New York City  
 Judd & Co., H. L. ....AA

**PLASTER**

**CONN.—New Haven**  
 Connecticut Adamant Plaster  
 Co. (Calcined) .....B  
**ILL.—Chicago**  
 U. S. Gypsum Co., 184 La  
 Salle (Calcined) .....AAAA  
**IOWA—Fort Dodge**  
 Fort Dodge Plaster Co.  
 (Calcined) .....B  
**KANS.—Lawrence**  
 American Cement Plaster  
 Co. (Calcined) .....A  
**MASS.—Boston**  
 Emmel, Charles, 383 Albany  
 (Fibrous; Staff) .....B  
 Fowle, Herbert, 43 Bristol  
 (Fibrous; Staff) .....F  
 Windsor Cement Co., 446  
 Albany (Calcined) .....B  
**MICH.—Grand Rapids**  
 Alabastine Co. (Calcined;  
 also Land Plaster) ....AA  
 Grand Rapids Plaster Co.  
 (Calcined; also Land) .AA  
**MO.—Kansas City**  
 Brockett Cement Co., C. A.,  
 121 W. 8th (Calcined) .B  
**MO.—St. Louis**  
 Acme Cement Plaster Co.,  
 Century Bldg. (Calcined) B  
 Selfert Plastic Relief Co.,  
 Frank A., 2646 Chestnut  
 (Fibrous; Staff) .....D  
**N. J.—Harrison**  
 New Jersey Adamant Mfg.  
 Co. (Wall) .....B  
**N. J.—Newark**  
 Newark Lime & Cement Co.,  
 ft. of Bridge (Calcined) AAAA

**N. Y.—Buffalo**  
 Buffalo Dental Mfg. Co.  
 (Dental) .....B  
 Ecluse Wood Fibre Plaster  
 Co. (Fibrous; Staff) ....X  
**N. Y.—Indian Falls**  
 Gilmore & Co., S. (Calcined) D  
**N. Y.—Newburgh**  
 Higginson Mfg. Co. (Calcined) .....A  
**New York City**  
 Hammill & Gillespie, 240  
 Front (Calcined) .....A  
 King & Co., J. B., 1 B'way  
 (Calcined; Farmers') AAAA

**Rock Plaster Co. of N. Y.**  
 & N. J., 11 B'way (Calcined) .....B  
 Wetherston Plaster Mills,  
 1170 B'way (Dental) ...B  
**N. Y.—Syracuse**  
 Harnish, Ad., Spencer n.  
 Chlorine Spgs. (Fibrous;  
 Staff) .....E  
 National Wall Plaster Co.  
 (Calcined) .....C  
**PA.—Chester**  
 Keystone Plaster Co., Lock  
 Box 76 (Calcined) .....A  
**PA.—Philadelphia**  
 French & Co., Samuel H.,  
 4th & Callowhill (Calcined) .....A  
 Johnson & Lund (Dental) AA

**White Dental Mfg. Co., S. S.**  
 (Surgical & Dental) AAAA  
**S. DAK.—Hot Springs**  
 Hot Springs Plaster Co.  
 (Calcined; Dental) ....D

**PLASTERS**

**ILL.—Chicago**  
 Baker Co., Chas. S. (Medical; Surgical) .....C  
 Bauer & Black (Medical; Surgical) .....A  
**MASS.—Boston**  
 Grosvenor & Co., J. M. (Surgical; Medical) .....B  
**MASS.—Waverly**  
 Aldrich, D. H. (Court) ....B  
**MICH.—Detroit**  
 Parke, Davis & Co. (Medical; Surgical) .....AAAA  
**MICH.—Saginaw**  
 Saginaw Medicine Company  
 (Corn) .....D  
**MO.—St. Louis**  
 Mallinckrodt Chemical Wks.  
 (Medical; Surgical) .AAAA  
**N. J.—New Brunswick**  
 Johnson & Johnson (Court;  
 Medical; Surgical) .AAAA  
**N. Y.—Albany**  
 Valentine & Son, W. T.  
 (Court) .....B  
**New York City**  
 King, V. C. & C. V., 509  
 West (Medical) .....X  
 McKesson & Robbins (Medical; Surgical) .....AAAA  
 Pall Mall Electric Assn.,  
 870 B'way (Electric) ...F  
 Schleffelin & Co., W. H.  
 (Medical; Surgical) .AA  
 Seabury & Johnson (Medical; Surgical; Court) .AA  
**N. Y.—Yonkers**  
 Deane Plaster Co. (Medical;  
 Surgical; Court) .....B  
**PA.—Conshohocken**  
 Lee Co., J. Elwood (Medical; Surgical) .....AA  
**PA.—Philadelphia**  
 French & Co., 4th (Dental) A  
**TENN.—Harriman**  
 Dixie Plaster Co. (Medicated) .....D

**PLATES**

See also Iron & Steel: Tinware; Chinaware; Silverware; Enamelled Ware; also Dishes & Hardware; Carriages.

**ALA.—Birmingham**  
 Birmingham Rolling Mill  
 Co. (Bridge: Iron; Iron  
 Roller) .....AAAA  
**CAL.—San Francisco**  
 Judson Mfg. Co. (Iron Boiler; Tank) .....AA  
 Passavant Printing Co.  
 (Photograph. Dry) ....H  
 Tav Co., Geo. H. (Floor;  
 Ceiling) .....AA  
**COLO.—Denver**  
 Colorado Fuel & Iron Co.  
 (Iron; Steel Boiler; Tank;  
 Joint) .....B  
**CONN.—Ansonia**  
 Ansonia Brass & Copper Co.  
 (Condenser) .....AAAA  
**CONN.—Beacon Falls**  
 Bronson Co., Homer D. (Machinery Name) .....C  
**CONN.—Bridgeport**  
 American Tube & Stamping  
 Co. (Floor) .....AAAA  
 Belknap Mfg. Co. (Radiator  
 Floor) .....C  
 Bridgeport Deoxidized  
 Bronze & Metal Co.  
 (Name) .....B  
 Rowell & Co., W. G. (Machinery Name) .....D  
 Schwerdtle Stamm Co., 35  
 Fairfield Av. (Machinery  
 Name; Stencil) .....F  
**CONN.—Bristol**  
 Snyder & Co., L. H. (Floor;  
 Ceiling) .....C  
**CONN.—Deep River**  
 Denison Bros. (Small Ivory) D  
**CONN.—Easthampton**  
 Gong Bell Mfg. Co. (Name) AAAA

# PLATES (Con.)

CONN.—Guilford  
Spencers' Sons, I. S. (Name) A  
CONN.—Hartford  
Billings & Spencer Co. (Drop Forged Screw) .....AA  
Pratt & Whitney Co. (Screw) .....AAAA  
CONN.—Meriden  
Manning, Bowman & Co. (Enameled; Soup) .....AA  
CONN.—Mt. Carmel  
Woodruff & Sons, Walter W. (Carriage Felloe Whiffletree) .....A  
CONN.—New Britain  
Corbin, P. & F. (Push; Name) .....AAAA  
Russell & Erwin Mfg. Co. (Name; Letter Box; Window; Car Door; Door Number; Hinge, Corner & Center; Push) .....AAAA  
Stanley Works (Mending) AAAA  
CONN.—New Haven  
Cowles & Co., C. (Carriage Bed) .....A  
English & Mersick Co. (Carriage Felloe) .....B  
Mallory-Wheeler Co. (Push, Door) .....AA  
Sargent & Co. (Key; Name; Window; Door Number; Drop Letter; Hand Rail; Hinge, Corner & Center; Looking Glass; Mending; Push) .....AAAA  
CONN.—Plantsville  
Atwater Mfg. Co. (Carriage Felloe) .....A  
Smith & Co., H. D. (Carriage Bed) .....A  
CONN.—Southington  
Beaton & Corbin Mfg. Co. (Floor; Ceiling) .....D  
CONN.—South Norwalk  
Norwalk Lock Co. (Name) A  
CONN.—Stamford  
Yale & Towne Mfg. Co. (Push, Door; Key; Drop Letter; Hinge, Corner & Center) .....AAAA  
CONN.—Unionville  
Upson Nut Co. (Carriage Felloe) .....AAAA  
CONN.—Waterbury  
American Ring Co. (Hinge) A  
Plume & Atwood Mfg. Co. (Heel; Hinge; Floor; Ceiling) .....AAA  
Randolph, Clowes Company (Screen) .....AAA  
Scovill Mfg. Co. (Name) AAAA  
Steele & Johnson Mfg. Co. (Floor; Ceiling) .....A  
Waterbury Mfg. Co. (Floor; Ceiling) .....AAAA  
DEL.—Wilmington  
Davis Pressed Steel Co. (Pressed Steel) .....B  
Diamond State Steel Co. (Tie) .....X  
Seidel & Hastings Co. (Charcoal Iron Boiler; Iron; Steel) .....A  
ILL.—Aurora  
Richards Mfg. Co. (Mending) .....B  
Wilcox Mfg. Co. (Mending) B  
ILL.—Carpentersville  
Illinois Iron & Bolt Co. (Carriage Bolster) .....AA  
ILL.—Chicago  
Acorn Brass Mfg. Co. (Name) .....D  
Aitchison Perforated Metal Co., Robert, 301 Dearborn (Filter Press; Oatmeal Sifter; Stamp Battery).X  
American Radiator Co. (Radiator Floor) .....AAA  
American Steel & Wire Co. (Iron; Steel Boiler; Tank; Steel Fire Box).....AAAA  
Barbee Wire & Iron Works (Sign) .....B  
Besly & Co., Charles H.

# PLATES (Con.)

(Screw) .....AA  
Chicago Art Metal Works (Bicycle Name) .....E  
Chicago Hdw. Co., 132 Lake (Push) .....D  
Chicago Spring Butt Co., 491 Carroll Av. (Push) .....B  
Crane Co., 10 N. Jefferson (Floor; Ceiling; Die; Screw) .....AAAA  
Creamery Package Mfg. Co. (Wooden) .....AAAA  
Crowe Metal Mfg. Co., 71 W. Jackson (Name) ...E  
Davis Co., Jno., 75 Michigan (Floor; Ceiling) .....AA  
Harrington & King Perforating Co. (Perforated Filter Press; Iron & Steel Punched) .....A  
Illinois Malleable Iron Co., 30 West Monroe (Floor; Ceiling) .....AAAA  
Illinois Steel Co., The Rookery (Iron; Steel Boiler; Tank; Steel Bridge; Fire Box; Tie) .....AAAA  
Independent Railroad Supply Co., The Rookery (Tie) .....E  
Railroad Supply Co., Bedford Bldg. (Tie) .....B  
Republic Iron & Steel Co., 108 La Salle (Boiler; Tank; Steel Bridge; Fire Box; Bolster; Fish; Iron; Steel) .....AAAA  
Sellers Mfg. Co., 27 W. Chicago Av. (Tie) .....B  
Turner Brass Works (Carriage; Machinery Name) Winslow Bro. Co., 368 Carroll Av. (Push) .....AA  
ILL.—Edwardsville  
Edwardsville Brass Co. (Name) .....B  
ILL.—Freeport  
Stover Mfg. Co. (Push, Door; Carriage Bolster) AA  
ILL.—Galva  
Mulford Heater Co. (Floor; Ceiling) .....X  
ILL.—Kawanae  
Western Tube Co. (Expansion; Floor; Ceiling).AAA  
ILL.—La Salle  
Matthiessen & Hegeler Zinc Co. (Lithographers'; Zinc) AAAA  
ILL.—St. Charles  
Glenn Mfg. Co. (Floor; Ceiling) .....D  
ILL.—Sterling  
Lawrence Bros. (Wagon End Gate) .....AAA  
National Mfg. Co. (Mending) .....C  
Novelty Iron Works (Pump Handle; Handle) .....E  
IND.—Kokomo  
Kokomo Fence Machine Co. (Nickel & Aluminum Name) .....AAA  
IOWA—Dubuque  
Adams Co. (Floor & Ceiling, for Stove Pipe Register).A  
IOWA—Oskaloosa  
Iowa Mfg. Co. (Floor; Ceiling) .....D  
MAINE—Bath  
Torrey Roller Bushing Wks. (Machinery Name) .....B  
MD.—Baltimore  
Dorman Co., J. F. W. (Name) .....F  
Levering Bros. (Building; Wall) .....C  
MD.—Cumberland  
Cumberland Steel Co. (Black Metal) .....A  
MASS.—Amesbury  
Felch & Co., E. S. (Carriage Bed) .....C  
MASS.—Attleboro  
Robbins Co., Chas. M. (Bicycle Name) .....C  
MASS.—Boston  
Becker Engraving Co., August, 247 Atlantic Av. (Machinery Name) .....E

**PLATES (Con.)**

Coffin Valve Co. (Floor)..D  
 Edson Mfg. Co. (Deck, or Manhole).....B  
 G. & P. Engraving Co., 185 Franklin (Mach. Name).....X  
 Grundy Brass Wks., 50 Sudbury (Floor; Ceiling)...F  
 Howes Co., S. M. (Hot)..B  
 Murdock Corporation, 156 Boylston (Mach. Name; Push).....X  
 Robbins Mfg. Co., Jno., 58 Kneeland (Name).....E  
 Smith & Thayer Co., 236 Congress (Floor; Ceiling).....A  
 Union Metal Corner Co., 206 Summer (Plasterers' Steel Corner).....D  
 Walworth Mfg. Co., 182 Federal (Floor; Ceiling; Screw).....AAAA  
 Woodman Mfg. & Supply Co., R. 63 Oliver (Machinery Name).....F  
**MASS.—Cambridge**  
 Hews & Co., A. H. (Storage Battery, Porous)...A  
**MASS.—Fitchburg**  
 Putnam Machine Co. (Surface).....A  
 Welch & Co., E. J. (Screen).....D  
**MASS.—Greenfield**  
 Reese Co., E. F. (Screw)..D  
 Wells Bros. Co. (Screw)..A  
 Wiley & Russell Mfg. Co. (Screw).....AA  
**MASS.—Haydenville**  
 Haydenville Co. (Floor; Ceiling).....A  
**MASS.—Holyoke**  
 Holyoke Bar Co. (Carriage Bed).....E  
**MASS.—Mansfield**  
 Card Mfg. Co., S. W. (Screw).....B  
**MASS.—New Bedford**  
 Morse Twist Drill & Mach. Co. (Screw).....AAA  
 Taunton-New Bedford Copper Co. (Singe).....AAA  
**MASS.—Newton**  
 Stanley Dry Plate Co. (Photograph, Dry).....B  
**MASS.—Somerville**  
 Birch Bros. (Singe).....C  
**MASS.—South Hanover**  
 Phillips & Sons, Ezra (Zinc; Zinc, Roller).....A  
**MASS.—Springfield**  
 Smith Mfg. Co., R. H. (Stencil).....C  
**MASS.—Westfield**  
 Lamprey Co. (Boller Arch).....F  
**MASS.—Worcester**  
 Cleveland Machine Works (Press).....A  
 Houghton Mfg. Co. (Floor; Ceiling).....E  
 Phoenix Plate Co. (Ferrottype; Dry; Sign).....C  
 Worcester Ferrule & Mfg. Co. (Floor; Ceiling)....C  
**MASS.—Wrentham**  
 Winter Bros. Co. (Screw).....E  
**MICH.—Detroit**  
 Ireland & Matthews Mfg. Co. (Bumper, for Plumbers', Woodwork; Spun Brass Floor & Ceiling)...A  
 Smith & Co., Joseph N. (Carriage Name).....C  
 U. S. Heater Co., 251 Campbell Av. (Floor; Ceiling).....A  
**MICH.—Grand Rapids**  
 Grand Rapids Brass Co. (Electric).....A  
 Wolverine Brass Works (Floor; Ceiling).....A  
**MICH.—Jackson**  
 Withington & Cooley Mfg. Co. (Felloe).....AA  
**MO.—St. Louis**  
 American Brass & Mfg. Co., 409 S. 2d (Machinery Name).....

**PLATES (Con.)**

Barnard Stamp Co. (Name).....E  
 Cramer Dry Plate Co., G. (Photograph, Dry).....A  
 Ewald Iron Co. (Iron)...AAA  
 Hammer Dry Plate Co. (Photograph, Dry).....A  
 Kupferle, Jno. C., (Floor; Ceiling; Bolster; Hound).....AA  
 Nelson Mfg. Co., N. O., 8 St. Charles (Floor; Ceiling).....AAA  
 Pleuger & Henger Mfg. Co. (Floor; Ceiling; Bolster; Hound).....A  
 St. Louis Stamping Co. (Pie; Enamelled; Soup)...AAAA  
 N. H.—Exeter  
 Exeter Brass Works (Floor; Ceiling).....C  
 Rubber Step Mfg. Co. (Carriage Step).....D  
 N. J.—Belleville  
 Eastwood Wire Mfg. Co. (Machinery Name; Screen; Rolled Brass Screw; Name).....A  
 N. J.—Bloomfield  
 Combination Rubber & Belting Co. (Typewriter)....A  
 N. J.—High Bridge  
 Taylor Iron & Steel Co. (Iron Chute).....AAAA  
 N. J.—Jersey City  
 Griffing Iron Co., A. A. (Floor; Ceiling; Radiator Floor).....AA  
 N. J.—Newark  
 Currier & Sons, Cyrus (Filter Press).....AA  
 Jackson Co., Jno. J. (Engravers').....D  
 Richmond Bros. Co. (Heel).....D  
 Sacks Iron Foundry, Louis (Heel).....A  
 Searls Mfg. Co. (Name)...B  
 N. J.—Paterson  
 Annandale Screen Plate Co. (Screen).....B  
 Passaic Steel Co. (Bridge; Iron; Steel).....A  
 N. Y.—Albany  
 Clark, Jno. W. (Machinery Name).....D  
 Townsend Furnace & Mach. Shop Co. (Floor).....B  
 N. Y.—Auburn  
 Clapp Mfg. Co., E. D. (Carriage Bed).....B  
 N. Y.—Brooklyn  
 Bommer Bros. (Door Bottom; Kick).....A  
 Clarke, Robert, 98 Schermerhorn (Floor; Ceiling)...F  
 Donnelly Co., J. R. (Glass Name).....D  
 Hecla Iron Works, N. 11th & Berry (Push).....AA  
 Houchin & Huber (Printing Box).....D  
 Sweeney Mfg. Co., Wm. H. (Tin).....A  
 Union Porcelain Wks. (Sign; Name).....B  
 Vogel & Bros., Wm. (Pie; Tin).....AA  
 N. Y.—Buffalo  
 Ashbery, Henry C., 16 Seneca (Machinery Name)...G  
 Pratt & Letchworth Co. (Carriage Bed; Carriage Step).....AAA  
 N. Y.—Fulton  
 Foster Bros. & Chatillon Co. (Roll).....A  
 N. Y.—Goshen  
 Newbury, Jay H. (Floor; Ceiling).....B  
 N. Y.—Manlius  
 Chenev & Son, S. (Floor; Ceiling).....A  
 N. Y.—Monroe  
 Newbury Mfg. Co. (Floor; Ceiling).....D  
 New York City  
 Arderton, Ralph L., 210 Grand (Machinery Name).....B  
 Baker, Hermann & Co., 101 Duane (Screw).....AAA

# PLATES (Con.)

Caesar Bros. (Name) .....D  
 Carragan & Tilson (Stencil)  
 D  
 Central Stamping Co. (Let-  
 tered) .....AA  
 Cooper & Co., Chas. (Pho-  
 tograph. Dry) .....AA  
 Crandall & Godley Co. (Tin)  
 AA  
 Eaton, Cole & Burnham Co.,  
 253 B'way (Floor; Cell-  
 ing) .....AAAA  
 Every Mfg. Co., 102 John  
 (Floor; Ceiling) .....B  
 Fuchs & Lang Mfg. Co.  
 (Lithographers') .....AA  
 Gardner & Co., A. S. (Jewel-  
 ers') .....B  
 Gennert, G. (Ferrotypes) ..B  
 Gorham Mfg. Co. (Church;  
 Brass) .....AAAA  
 Gould-Mersereau Co. (Stair)  
 B  
 Goulds' Sons & Co., M.  
 (Stair) .....A  
 Hunt Co., C. W. (Cast Iron  
 Ceiling) .....AA  
 Jackson Co., Wm. H., 29 E.  
 17th (Union Sq.) (Push)  
 A  
 Judd & Co., H. L. (Stair)  
 AA  
 Krieg & Co., J. K. (Heel) ..B  
 Lalance & Grosjean Mfg. Co.  
 (Egg; Pie; Enamelled)  
 AAAA  
 Lamb, J. & R. (Church;  
 Brass) .....D  
 McNab & Harlin Mfg. Co.,  
 56 John (Floor; Ceiling)  
 AAA  
 Metal Stamping Co. (Door  
 Number; Name; Vehicle  
 License) .....A  
 Morse & Rogers (Heel) ...A  
 Mundt & Sons, Chas. (Ma-  
 chine; Filter Press Perfo-  
 rated) .....B  
 Nason Mfg. Co., 71 Beek-  
 man (Floor; Ceiling) ...B  
 Ness, Jr., Geo. M., 61 Ful-  
 ton (Name; Machine  
 Name) .....H  
 New York Steel Corner  
 Plate Co., 1133 B'way  
 (Plasterers' Steel Corner)  
 X  
 New York Stencil Works,  
 100 Nassau (Name; Sten-  
 cil) .....X  
 Ogden & Wallace, 577  
 Greenwich (Armor; Never  
 Slip Wrought Steel Floor)  
 A  
 Peck, Stow & Wilcox Co.  
 (Window; Drop Letter;  
 Floor; Ceiling) .....AAAA  
 Phillips Mfg. Co., 215 E.  
 34th (Floor; Ceiling) ...D  
 Rutzler Co., E., 178 Centre  
 (Floor; Ceiling) .....A  
 Sanford Mfg. Co., Wm. P.  
 (Wooden) .....D  
 Shriver & Co., T., 333 E.  
 56th (Filter Press) ....A  
 Spencer & Co., E. E. (Heel)  
 B  
 Stafford Co., N. (Stencil) ..F  
 Stoutenborough, X. (Egg;  
 Lettered) .....D  
 Tiebout, W. & J. (Brass  
 Step; Deck, or Manhole)  
 B  
 United Metal Mfg. Co., 525  
 Broome (Floor; Ceiling) ..D  
 United States Steel Cornora-  
 tion, 71 B'way (Steel  
 Bridge) .....AAAA  
 Victor Excelsior Brass Wks.,  
 44 Mott (Floor; Ceiling)  
 A  
 N. Y.—North Tonawanda  
 Miller Specialty Co. (Floor;  
 Ceiling) .....X  
 Niagara Radiator Company  
 (Floor; Ceiling) .....A  
 N. Y.—Rochester  
 Eastman Kodak Co. (Pho-  
 tograph. Dry) .....AAAA  
 Forbes Dry Plate Co. (Pho-  
 tograph. Dry) .....D

# PLATES (Con.)

N. Y.—Seneca Falls  
 Climax Specialty Co. (Floor;  
 Ceiling) .....B  
 N. Y.—Syracuse  
 Franklin Mfg. Co., H. H.,  
 208 S. Geddes (Name) ...A  
 Pierce, Butler & Pierce  
 Mfg. Co. (Cast Iron Cell-  
 ing) .....AAA  
 N. Y.—Troy  
 Troy Stamping Wks. (Tin)  
 AAAA  
 N. Y.—Utica  
 Giblin & Co. (Carriage  
 Bolster) .....B  
 N. Y.—Waterford  
 Holroyd & Co. (Screw) ...A  
 Snyder & Metcalf (Surface)  
 X  
 OHIO—Akron  
 Enterprise Mfg. Co. (Name)  
 A  
 OHIO—Cincinnati  
 Cincinnati Mfg. Co., 512  
 Main (Name) .....B  
 Globe Rolling Mill Co. (Iron  
 Boiler; Steel; Tank; Jail;  
 Safe; R. R. Frog) ....A  
 Walton Iron Co. (Prismatic  
 Sidewalk) .....C  
 Weir Frog Co., cor. Front &  
 Smith (Tie) .....A  
 OHIO—Cleveland  
 Avery Stamping Co. (Car-  
 riage Felloe; Pipe Hook;  
 Felloe; Steel) .....B  
 Chisholm & Moore Mfg. Co.  
 (Tie) .....AA  
 Cleveland Hdw. Co. (Car-  
 riage Bolster; Carriage  
 Step; Carriage Felloe) ..AA  
 Cleveland Steel Co. (Steel  
 Bridge) .....AA  
 Fanner Mfg. Co. (Hot) ...A  
 Forest City Steel & Iron Co.  
 (Iron; Steel) .....A  
 Garry Iron & Steel Co.  
 (Iron; Steel; Tin; Terné)  
 A  
 Hart Mfg. Co., 22 Wood  
 (Screw) .....B  
 Oster Mfg. Co. (Screw) ...B  
 Otis Steel Co. (Ltd.) cor.  
 Lake & Lawrence (Steel  
 Boiler; Tank; Fire Box)  
 A  
 Taylor & Boggis Fdy. Co.  
 (Hot; Push; Pull; Kick)  
 AA  
 OHIO—Columbus  
 Ohio Pump & Brass Co., 18th  
 & Oak (Floor) .....C  
 OHIO—Dayton  
 Howard, Wm. H. (Name) ..E  
 OHIO—Hamilton  
 Black-Clawson Co. (Screen)  
 AAA  
 OHIO—Niles  
 Bostwick Steel Lath Co.  
 (Plasterers' Steel Corner)  
 C  
 OHIO—Piqua  
 Piqua Handle & Mfg. Co.  
 (Wooden Push) .....A  
 OHIO—Plymouth  
 Root Bros. Co. (Heel; Sole)  
 B  
 OHIO—Ravenna  
 Williams, A. C. (Bolster) ..A  
 OHIO—Salem  
 Clark Co., W. J. (Carriage  
 Felloe) .....A  
 OHIO—Shelby  
 Shelby-Spring Hinge Co.  
 (Stamped, Raised Back  
 Push) .....B  
 OHIO—Staubenville  
 La Belle Iron Works (Iron;  
 Steel; Tack) .....AAAA  
 OHIO—Toledo  
 Donovan Wire & Iron Co.  
 (Brass Sten) .....C  
 PA.—Allegheny  
 McKinner Mfg. Co. (Car-  
 riage Felloe) .....AAA  
 Pittsburgh Lamp, Brass &  
 Glass Co. (Floor; Ceiling)  
 AAAA  
 PA.—Carbondale  
 Hendrick Mfg. Co. (Perfo-  
 rated Sifter & Screen) ..AA

# PLATES (Con.)

**PA.—Catasaugus**  
Bryden Horse Shoe Co. (Rac-  
ing) .....AA  
**PA.—Coatesville**  
Lukens Iron & Steel Co.  
(Steel, Sheared Iron &  
Steel) .....AAAA  
Worth Bros. Co. (Steel Bol-  
ler; Tank; Steel, Sheared)  
AA  
**PA.—Connellsville**  
Sligo Iron & Steel Co. (Iron;  
Steel Boiler; Tank) ....B  
**PA.—Conshohocken**  
Wood & Bros. Co., J. (Iron;  
Steel) .....AA  
**PA.—Erie**  
Jarecke Mfg. Co. (Floor;  
Ceiling) .....AAAA  
**PA.—Fullerton**  
Lehigh Fdy. Co. (Tunnel).A  
**PA.—Harrisburg**  
Central Iron & Steel Co.  
(Iron; Steel Boiler; Tank;  
Steel Fire Box) .....AAAA  
Lucknow Iron & Steel Co.  
(Steel Bridge) .....E  
**PA.—Lancaster**  
Champion Blower & Forge  
Co. (Screw) .....AA  
**PA.—Millersburg**  
Brubaker & Bros., W. L.  
(Screw) .....B  
Polk & Son, A. J. (Screw) C  
**PA.—Nazareth**  
Nazareth Fdy. & Mach. Co.  
(Tunnel) .....B  
**PA.—Philadelphia**  
American Pressed Steel Co.,  
824 Witherspoon Bldg.  
(Wrought Steel Floor)..B  
Belfield & Co., H., 435 N.  
Broad (Floor; Ceiling)  
AA  
Boekel & Co., Wm., 518  
Vine (Floor; Ceiling)...A  
Butterworth & Sons' Co., H.  
W., 2415 E. York (Singe)  
A  
Cambria Steel Co., Arcade  
Bldg. (Tie; Iron; Steel  
Boiler; Tank) .....AAAA  
Chester Steel Castings Co.  
(Mining Crusher) .....AA  
Cresson Co., Geo. V. (Angle  
& Bearings; Wall; Pedes-  
tal Base) .....AA  
Devlin Mfg. Co., Thos., 3d  
& Lehigh Av. (Floor;  
Ceiling) .....AA  
Flagg & Co., Stanley G.,  
19th & Penn Av. (Floor;  
Ceiling) .....AAA  
Gara, McGinley & Co., 23  
S. 17th (Plasterers' Steel  
Corner) .....A  
Haworth Co., Jno. (Photo-  
graph, Dry) .....D  
Merchant & Co. (Inc.)  
(Roofing, Tin) .....AA  
Merritt & Co., 1024 Ridge  
Av. (Plasterers' Steel  
Corner) .....B  
Morris, Wheeler & Co.  
(Steel; Steel Ship Boiler)  
AAA  
Phila. Roll. & Mach. Co.  
(Crusher) .....A  
Phoenix Bridge Co. (Bridge)  
A  
Phoenix Iron Co., 410 Wal-  
nut (Steel Bridge).AAAA  
Roberts Co., A. & P. (Iron)  
AAAA  
Taylor Co., N. & G., 3d &  
Chestnut (Iron; Steel Bol-  
ler; Tank; Steel Fire Box;  
Roofing; Black for Deep  
Stamping) .....AAA  
Wharton & Co., Wm., Jr.,  
25th & Washn. Av. (Tie)  
AAA  
Wood Co., Allan, 519 Arch  
(Iron; Steel; Tank).....AAAA  
**PA.—Pittsburg**  
American Sheet & Tin Plate  
Co. (Iron; Steel; Tin;  
Terne) .....AAAA  
Canonsburg Iron & Steel Co.  
(Stamping; Terne).....B

# PLATES (Con.)

Carbon Steel Co. (Steel)  
Boiler; Tank; Fire Box;  
Steel Bridge) .....X  
Carnegie Steel Co. (Ltd.),  
Carnegie Bldg. (Armor;  
Iron Boiler; Floor; Steel  
Boiler; Tank; Steel) ....AAAA  
Clinton Iron & Steel Co.  
(Iron; Steel Boiler; Tank)  
AA  
Crucible Steel Co. of Ameri-  
ca (Steel Boiler; Tank;  
Bridge; Fire Box; Steel  
Sheared) .....AAAA  
Dilworth, Porter & Co., Ger-  
man Natl. Bank Bldg.  
Claw Tie) .....AAAA  
Jones & Laughlin Steel Co.  
(Iron; Steel; Boiler;  
Tank; Steel Bridge)....AAAA  
Kelly & Jones Mfg. Co., 315  
1st Av. (Floor; Ceiling)  
AA  
Lanz & Sons, Mathew  
(Sheave) .....AA  
McKenna Bros. Brass Co.  
(Push; Pull; Kick)...A  
Oliver Iron & Steel Co.  
(Iron; Steel Boiler; Tank;  
Tie) .....AAAA  
Pope Tin Plate Co. (Tin).B  
Scaife & Sons Co., Wm. B.,  
221 1st Av. (Iron; Steel  
Boiler; Tank) .....AAA  
Spang-Chalfant & Co. (Steel;  
Steel Boiler).....AAAA  
**PA.—Pottstown**  
Glasgow Iron Co. (Iron;  
Steel Boiler; Tank; Steel  
Bridge; Steel Sheared)..AAA  
Potts Bros. Iron Co. (Iron;  
Steel Boiler; Tank).....A  
**PA.—Reading**  
Penna. Hdw. Co. (Push).AA  
Reading Hdw. Co. (Name;  
Push; Window; Door  
Number; Drop Letter;  
Hinge; Corner; Center)..AAAA  
Reading Iron Co. (Iron;  
Joint; Splice).....AAAA  
Seyfert, Simon (Iron; Steel  
Boiler; Tank) .....AA  
Seyfert & Bro., Saml. R.  
(Iron; Steel Boiler; Tank)  
AA  
**PA.—South Bethlehem**  
Bethlehem Fdry. & Machine  
Co. (Floor; Ceiling).....O  
Bethlehem Steel Co.  
(Armor) .....AAAA  
**PA.—Steelton**  
Penna. Steel Co. (Splice;  
Rail Fish) .....AAAA  
**PA.—Wilkesbarre**  
Vulcan Iron Wks. (Pedestal  
Base) .....AAAA  
**R. I.—Pawtucket**  
Carpenter Tap & Die Co.,  
J. M. (Screw) .....O  
Fuller & Son, Geo. H.  
(Jewelers) .....A  
Pawtucket Mfg. Co.  
(Screw) .....A  
**R. I.—Providence**  
Briggs & Sons Co., J.  
(Jewelers') .....A  
Brown & Sharpe Mfg. Co.  
(Surface) .....AAAA  
Lind Co., Thos. W. (Jew-  
elers') .....D  
Textile Finishing Machy.  
Co., 17 Exchange Pl.  
(Singe) .....AAAA  
Waterbury Brass Co. (Engravers') .....AAAA  
**TENN.—Knoxville**  
Knoxville Iron Co. (Angle;  
Bearings; Rail Fish).AA  
**VT.—Derby Line**  
Butterfield & Co. (Bicycle  
Screw; Screw; Die)....A  
**VA.—Richmond**  
Tredegar Co. (Rail Fish)..AAA  
**W. VA.—Charleston**  
Vulcan Iron Wks. (Floor;  
Ceiling) .....D



## PLATES (Con.)

W. VA.—Charlestown  
Powhattan Brass & Iron  
Wks. (Floor; Ceiling)...B  
W. VA.—Parkersburg  
Parkersburg Iron & Steel  
Co. (Steel Bridge)...AA  
W. VA.—Wheeling  
Portsmouth Steel Co....A  
Whitaker Iron Co. (Black  
Metal) .....AA  
WIS.—Milwaukee  
Hoffman & Billings Mfg.  
Co. (Floor; Ceiling)...AA  
Hoffman Mfg. Co., B.  
(Floor; Ceiling).....A  
Pressed Steel Tank Co.  
(Flanged; Deep Stamped;  
Forged; Drawn to Shape  
Pressed Steel) .....B  
Rundle-Spence Mfg. Co.  
(Floor; Ceiling).....A  
Wrought Washer Mfg. Co.  
(Felloe) .....A  
WIS.—Racine  
Racine Malleable &  
Wrought Iron Co. (Car-  
riage Bolster) .....A

## PLATFORMS

ILL.—Chicago  
Chicago Sporting Goods Co.,  
126 S. Jefferson (Strik-  
ing Bag) .....B  
Natl. Car Coupler Co., Mon-  
adnock Bk. (Steel Car)...A  
Tothill, W. S., 128 W. Web-  
ster Av. (Striking Bag) F  
N. H.—Plymouth  
Draper & Maynard Co.  
(Striking Bag) .....A  
New York City  
Fairbanks Co., 416 Broome  
(Portable) .....AAAA  
Krajewski, Pesant & Co.  
(Steel) .....AA  
Standard Coupler Co., 160  
B'way (Steel Car) ....B  
Trelnis Bros., 498 B'way  
(Striking Bag).....F  
N. Y.—Oxford  
Clarke Blue Stone Co., F.  
G. (Stone) .....A  
OHIO—Cleveland  
Forest City Steel & Iron  
Co. (Telephone Pole)...A  
PA.—Danielsville  
Hower, J. K. (Slate) ....B

## PLATING

CONN.—Bristol  
Smith, Ira B. (Electro)...E  
CONN.—Guilford  
Spencer's Sons, I. S.  
(Electro; Nickel).....A  
CONN.—Waterbury  
Blake & Johnson (Electro;  
Nickel) .....A  
ILL.—Chicago  
Acorn Brass Mfg. Co.  
(Electro; Nickel).....D  
Winslow Bros. Co., Carroll  
Av., Ada & Fulton (Elec-  
tro; Bronze) .....AA  
ILL.—Freeport  
Stover Mfg. Co. (Electro)  
AA  
MASS.—Boston  
Murdock Corporation (Elec-  
tro) .....X  
MO.—St. Louis  
Ludlow-Saylor Wire Co.  
(Electro; Nickel).....AA  
Pleuger & Henger Mfg. Co.  
(Electro) .....A  
N. Y.—Albany  
Clark, J. W. (Electro;  
Nickel) .....D  
N. Y.—Brooklyn  
Hecla Iron Wks., N. 11th  
& Berry (Duplex Bronze;  
Electro Bronze) .....AA  
N. Y.—Manlius  
Cheney & Son, S. (Nickel)...A  
New York City  
Jackson Co., Wm. B., 29 E.  
17th (Electro Bronze)...A  
OHIO—Cincinnati  
Schreiber & Sons Co., L.,  
8th & Eggleston Av.  
(Electro Bronze) .....AA

## PLATING (Con.)

OHIO—Cleveland  
Taylor & Boggis Fdry. Co.  
(Electro) .....AA  
PA.—Pittsburg  
McKenna Bros. Brass Co.  
(Electro) .....A  
PA.—Reading  
Reading Machine & Tool  
Co. (Electro; Nickel)...B  
PLATINUM  
ILL.—Chicago  
Goldsmith Bros., 65 Washn.  
A  
N. J.—Newark  
American Platinum Wks.  
(Electric) .....B  
Croselmirre & Ackor (Sheet;  
Wire) .....B  
New York City  
Elmer & Amend.....AA  
Platt, C. S., 31 Gold.....B  
Schawel & Co., Jas., 29  
John (Sheet; Wire)....B  
PA.—Malvern  
Bishop & Co., J. (Wares).D

## PLAYERS

CONN.—Derby  
Sterling Co. (Piano)....AA  
CONN.—Meriden  
Wilcox & White (Automatic  
Piano) .....A  
ILL.—Chicago  
Kimball Co., W. W.  
(Piano) .....AAAA  
N. Y.—Buffalo  
Chase & Baker Co. (Auto-  
matic Piano) .....A  
N. Y.—Elbridge  
Maestro Co. (Piano)....X  
New York City  
Needham Piano & Organ Co.,  
96 5th Av. (Piano)....A  
Both & Engelhardt, 2 E.  
47th (Piano) .....B  
OHIO—Cincinnati  
Baldwin Co. (Piano).AAAA

## PLIERS

CONN.—Bridgeport  
Bridgeport Hdw. Mfg. Co.  
(Gas; Champagne; Com-  
bination; Cutting; Fenc-  
ing; Flat; Round Nose).B  
Hurwood Mfg. Co. (Cut-  
ting) .....C  
Smith & Egge Mfg. Co.  
(Gas) .....A  
CONN.—Hartford  
Billings & Spencer Co. (Gas;  
Combination; Cutting  
Electricians'; Flat; Round  
Nose) .....AA  
CONN.—New Haven  
Brown & Co., B. H.  
(Jewelers') .....B  
Kilborn & Bishop Co. (Gas;  
Cutting; Combination;  
Electricians'; Farmers';  
Fencing; Flat; Round  
Nose; Knot Tying; Splic-  
ing; Lineman's) .....C  
Sargent & Co., (Gas).AAAA  
Schollhorn Co., W. (Line-  
man's; Gas; Jewelers').A  
CONN.—Plainville  
Clark & Son, A. N. (Gas).B  
CONN.—Rockfall  
Smith, Otis A. (Cutting)...B  
CONN.—Southington  
Peck, Stow & Wilcox Co.  
(Gas; Jewelers'; Mica  
Handled Linemens'; Chain  
Needle; Reamer Nose;  
Combination; Cutting;  
Electricians'; Flat; Round  
Nose; Opticians'; Tire  
Plugging; Weaver) AAAA  
CONN.—Unionville  
Monce, S. G. (Glass  
Cutters') .....B  
ILL.—Chicago  
Klein, Mathias & Son, 87  
W. Van Buren (Line-  
mens') .....B  
Vaughan & Bushnell Mfg.  
Co., 875 Carroll Av. (Gas)  
A

**PLIERS (Con.)****ILL.—Downers Grove**  
Dicke Tool Co. (Linemens') C**MASS.—Athol**  
Athol Machine Co. (Gas;  
Combination) .....B  
.....—BostonWalworth Mfg. Co., 132  
Federal (Gas).....AAAA**MASS.—Springfield**  
Bullock Mfg. Co. (Jew-  
elers') .....A**MINN.—Owatonna**  
Washington Tool Co. (Gas)  
D**N. J.—Newark**  
Berns, Otto, S. 13th, cor.  
S. Orange Av. (Gas)....B  
Johnson, William (Gas)...D  
Krauter & Co., 577 13th  
(Gas; Combination).....X  
Lowentraut Mfg. Co., P.  
(Gas) .....AOsborne & Co., C. S.  
(Gas) .....B**N. Y.—Elmira**  
Cronk & Carrier Mfg. Co.  
(Gas; Cutting; Lineman's;  
Combination; Electric-  
ians'; Flat; Round Nose)  
B**New York City**  
Ashcroft Mfg. Co., 85  
Liberty (Gas) .....AGraham & Co., Jno. H.  
(Buttons; Cutting; Side;  
Diagonal; Electricians';  
Lineman's) .....AAJennings Co., C. E., 79  
Reade (Gas) .....BJohns-Manville Co., H. W.,  
100 William (Insulated  
Lineman's) .....AAAAMcCoy Co., Jos. F. (Chain;  
Needle; Reamer Nose;  
Combination; Cutting;  
Side; Diagonal; Duckbill;  
Electricians'; Flat; Round  
Nose; Gas Burner; Pipe;  
Knot Tying; Splicing;  
Weavers') .....BSmith & Hemenway Co.  
(Cutting; Gas Burner;  
Pipe; Glass) .....DTower & Lyon Co., 95  
Chambers (Gas; Aligning;  
Glass; Combination; Flat;  
Round Nose; Pianomak-  
ers'; Webbing) .....B**N. Y.—Seneca Falls**  
Climax Specialty Co. (Gas)  
B**N. Y.—Utica**  
Utica Drop Forge & Tool Co.  
(Gas; Buttons; Lineman's;  
Combination; Chain;  
Needle; Reamer Nose;  
Champagne; Cutting;  
Duckbill; Electricians';  
Farmers'; Fencing; Flat;  
Round Nose; Gas Burner;  
Pipe; Glass; Heat Coil;  
Knot Tying; Splicing; Op-  
ticians'; Plugging; Weav-  
ers') .....B**N. Y.—Waterford**  
King & Co., J. M. (Gas;  
Combination) .....A**N. Y.—Yonkers**  
Saunders' Sons, D. (Gas  
Burner; Pipe) .....A**OHIO—Hamilton**  
Meyers Mfg. Co., Fred'k J.  
(Gas) .....B**OHIO—Norwood**  
Cinn. Tool Co. (Gas; Line-  
man's) .....B**OHIO—Ravenna**  
Williams, A. C. (Gas  
Burner; Pipe) .....A**PA.—Erie**

Reed Mfg. Co. (Gas).....A

**PA.—Philadelphia**Stortz & Son, Jno., 210  
Vine (Gas; Glass Cutter)  
E**PLOWS**

See also Agr. Imps

**CONN.—Branchville**  
Grumann, G. G. (Ice) ....E**PLOWS (Con.)****CONN.—Higganum**  
Cutawa, Harrow Co.....X**ILL.—Aurora**  
Western Wheel Scraper Co.  
(Snow) .....AA**ILL.—Chicago**  
McGuire-Cummings Mfg.  
Co., 122 N. Sangamon  
(Snow) .....AA**ILL.—Rook Island**  
Donaldson Bros. (Ice)....D**IND.—Fort Wayne**  
Indiana Road Machine Co.  
(Street R. R.; Snow)...A**MAINE—Portland**  
Portland Co. (Snow) ...AA**MASS.—Arlington**  
Wood & Co., Wm. T. (Ice)  
A**MASS.—Boston**  
Ames Plow Co. (Ice)  
AAAA**MASS.—Taunton**  
Taunton Locomotive Mfg.  
Co. (Street; Railroad;  
Snow) .....AA**MASS.—Woburn**  
Smith & Wallace (Electric  
Snow) .....D**MASS.—Worcester**  
Buckley Car Mfg. Co., T.  
H. (Snow) .....AA**N. J.—Elizabeth**  
Stephenson Co., Jno. (Rail-  
road; Street; Snow).AAA**N. J.—Grenlock**  
Bateman Mfg. Co. (Hand;  
Wheel) .....A**N. J.—Montclair**  
Heller & Co., W. C.....F**N. Y.—Athens**  
Dernell & Co., H. F. (Ice)  
E**New York City**  
Amer. Locomotive Co., 25  
Broad (Steam; Snow)...  
AAAAWoodhouse, J. S., 191  
Water (Ice) .....C**N. Y.—Niagara Falls**  
Dobbie Fdry. & Machine Co.  
D**N. Y.—Staatsburg**  
Bodenstein & Co., J. G.  
(Ice) .....E**N. Y.—Syracuse**  
Syracuse Chilled Plow Co.  
AA**OHIO—Cleveland**  
Gerlach Co., Peter, 28 Col.  
Av. (Ice) .....AVan Dorn & Dutton Co.,  
1796 E. Madison Av.  
(Street; Railroad; Snow)  
D**OHIO—Columbus**  
Kilbourne & Jacobs Mfg.  
Co. ....AAAA**OHIO—Hamilton**  
Long & Allstatter Co...AA**PA.—Waynesboro**  
Geiser Mfg. Co. (Snow)....  
AAAA**R. I.—Providence**  
Franklin Machine Co. (Elec-  
tric Snow) .....A**VA.—Norfolk**  
Whitehurst Co., R. W....B**PLUGGERS****N. Y.—Buffalo**  
Buffalo Dental Mfg. Co.  
(Automatic Dental) ....B**New York City**  
Consolidated Dental Mfg.  
Co., 115 W. 42d (Auto-  
matic Dental) .....B**PA.—Philadelphia**  
Johnson & Lund (Automatic  
Dental) .....AAWhite Dental Mfg. Co., S.  
S. (Automatic Dental)....  
AAAA**PLUGS****CONN.—Bridgeport**  
Belknap Mfg. Co. (Fusible)  
CBryant Electric Co. (Elec-  
trical) .....A

Perkins Elect. Switch Mfg.

**PLUGS (Con.)**

Co. (Attachment).....A  
**ILL.—Chicago**  
 Illinois Malleable Iron Co.,  
 30 W. Monroe (Soil Pipe  
 Testing; Fusible).....AAAA  
 Redlich Mfg. Co. (Wooden;  
 Deck).....B  
 Ryerson & Son, Joseph T.  
 Boiler Flue).....AAAA  
 Western Electric Co. (Elec-  
 trical).....AAAA  
**ILL.—Decatur**  
 Mueller Mfg. Co., H. (At-  
 tachment; Brass Elec.)...  
 AAA

**IND.—Peru**

Peru Electric Mfg. Co.  
 (Fusible; Electrical)....A

**IND.—South Bend**

Knoblock-Heideman Mfg.  
 Co. (Spark).....D

**MD.—Baltimore**

Kemp Mfg. Co., 1501 Guil-  
 ford Av. (Soil Pipe Test-  
 ing).....B

**MASS.—Boston**

Crosby Steam Gauge &  
 Valve Co. (Fusible)....AA  
 Walworth Mfg. Co. (Boiler  
 Flue; Fusible).....AAAA

**MASS.—Braintree**

Dow Portable Electric Co.  
 (Sparkling).....C

**MASS.—Somerville**

Amer. Coil Co. (Double In-  
 sulated Mica Cord Spark)  
 D

**MASS.—Webster**

Prescott & Son, J. B. (Metal  
 Wall).....B

**MICH.—Detroit**

Amer. Injector Co. (Fusible)  
 D

Park & McKay Co. (Basin;  
 Bath Tub, &c.).....C

**MICH.—Northville**

Dubuar Mfg. Co., J. A.  
 (Deck).....X

**MO.—St. Louis**

Nelson Mfg. Co., N. O.  
 (Basin; Bath Tub, &c.)  
 AAA

**N. H.—Keene**

Ellis, Austin A. (Brush)..D  
**N. J.—Hoboken**

New Jersey Plumbing Spe-  
 cialties Co. (Soil Pipe  
 Testing).....G

**N. J.—Jersey City**

New Jersey Spring & Rubber  
 Co. (Basin; Bath Tub,  
 &c.).....AA

**N. J.—Newark**

Premo-Hall Mfg. Co. (Bath  
 Tub).....X

Sommers' Son, Jno. (Wood-  
 en).....A

**N. Y.—Bleeker**

Peters' Sons, Jno. M.  
 (Wood; Paper Mill)....D

**New York City**

Ashcroft Mfg. Co. (Fusible)  
 A

Bunnell & Co., J. H. (Elec-  
 trical).....B

Connelly Iron Sponge & Gov.  
 Co. (Fusible).....B

Drummond & Co., M. J.,  
 192 B'way (Soil Pipe  
 Testing).....A

Estes & Sons, E. B. (Deck;  
 Wooden; Paper).....AA

Jones & Son, J. 64 Cort-  
 landt (Attachment)....X

Reilly Repair & Supply Co.,  
 James, 229 West (Fu-  
 sible).....AA

**N. Y.—Syracuse**

Pass Seymour (Attach-  
 ment; Fusible).....A

**N. Y.—Troy**

Bernard Co., E. G. (Elec-  
 trical).....D

**OHIO—Cincinnati**

Lunkenheimer Co. (Fusible)  
 AA

Powell Co., Wm. (Fusible)  
 A

Vanduzen Co., E. W.  
 (Fusible).....B

**PA.—Philadelphia**

Partrick, Carter & Wilkins

**PLUGS (Con.)**

(Electrical).....B  
 Philadelphia Elec. Mfg. Co.  
 (Electrical).....E  
 Pringle, Wm. F. (Elec-  
 trical).....D  
**PA.—Pittsburg**  
 Goldie & Co., Wm., Jr.  
 (Tie).....A  
**PA.—Williamsport**  
 Darling Pump Mfg. Co.  
 (Ltd.) (Fusible).....B  
**VT.—Putney**  
 Stowell Co. (Toilet Paper)  
 D

**PLUMBAGO****MASS.—Springfield**

Springfield Facing Co.....C

**N. J.—Jersey City**

Dixon Crucible Co., Joseph  
 AAA

**New York City**

Isley, Doubleday & Co., 29  
 Front.....B

Kelly & Co., Thos. P., 544  
 W. 22d.....B

Patterson, Boardman & Co.  
 AAA

Pettit Chemical Co.....B

Salomon & Bro., L. A., 216  
 Pearl.....AA

Standard Graphite Co., 11  
 B'way.....B

Wegelin & Wilckes Mfg.  
 Co.....C

**N. Y.—Rochester**

Amer. Chemical Mfg. &  
 Mining Co.....B

**OHIO—Cincinnati**

Obermayer Co., S., 647  
 Evans.....AA

**OHIO—Cleveland**

Smith Fdry. Supply Co., J.  
 D., 40 S. Water (Silver  
 Lead).....D

**PA.—Bethlehem**

Pettinos Bros.....A

**PA.—Philadelphia**

McIlvaine Bros.....B

Paxson Co., J. W.....AA

**PA.—Pittsburg**

McCormack Co., J. S.,  
 25th & A. V. Ry.....B

McCullough-Dalzell Crucible  
 Co.....A

**PLUMES****CONN.—East Hampton**

Bevin Bros. Mfg. Co.  
 (Horse; Sleigh).....A

Starr Bros. Bell Co. (Horse;  
 Sleigh).....B

**ILL.—Chicago**

Dearborn Duster Co., 124 S.  
 Green (Horse).....A

**New York City**

Taylor & Co., M. J.  
 (Harness).....E

Wagner, Otto.....A

**OHIO—Cincinnati**

Crane & Breed Mfg. Co.  
 (Harness).....AA

Pettibone Bros. Mfg. Co..A

**PA.—Philadelphia**

Horstmann, Wm. H.....AAAA

**WIS.—Milwaukee**

Gem Hammock & Fly Net  
 Co.....A

**PLUMS**

See Dried Fruit; Canned  
 Goods

**PLUNGERS****MASS.—Boston**

Young, Jos. H., 224 Frank-  
 lin (Water Closet)....D

**MO.—St. Louis**

Reliance Machine & Tool  
 Co. (Pump).....AAA

**OHIO—Cincinnati**

Vanduzen & Co., E. W.  
 (Pump).....B

**OHIO—Piqua**

Piqua Handle & Mfg. Co.  
 (Pump).....A

**OREGON—Portland**

Air Tight Stove Mfg. Co.  
 (Roof).....E

**PLUNGERS (Con.)**

**PA.**—Philadelphia  
 Berger Bros. Co., 287 Arch  
 (Pump) .....A  
 Holmes Fibre & Graphite  
 Mfg. Co. (Arc Lamp)....D  
**PA.**—Rankin Station  
 Duquesne Forge Co.  
 (Piston) .....A

**PLUSH**

See also Silk Goods

**CONN.**—Bridgeport  
 Salts Textile Mfg. Co., The  
 (Silk Plush; Velvet)....A  
**CONN.**—Mystic  
 Rossie Velvet Co. (Velvets) B

**CONN.**—Norwich  
 Martin Co., J. B. (Silk  
 Velvet) .....AAAA

**CONN.**—Stonington  
 American Velvet Co. (Silk  
 Velvet) .....AAA

**MAINE.**—Sanford  
 Sanford Mills (Furniture  
 Plushes) .....AAAA

**N. J.**—Paterson  
 Olympia Velvet Mills (Silk  
 Velvets) .....B

Peerless Plush Mfg. Co.  
 (Cotton; Silk; Seal)....B  
 Simon, R. & H. (Velvet) AAAAA

**N. Y.**—Clark Mills  
 Hind & Harrison Plush Co.  
 (Seal; Cotton, &c.)....A

**N. Y.**—Long Island City  
 Astoria Silk Wks. (Silk).AA  
**N. Y.**—Newburgh

Stroock Plush Co. ....B  
 New York City  
 Abegg & Rusch (Com.  
 Velvets) .....AAAA

Butterfield Co., Fred  
 (Plush) .....AAAA

Caesar & Co., H. A. (Vel-  
 vets) .....AAA

Chase & Co., L. C. (Mohair,  
 Com.) .....AA

Cheney Bros. (Plush; Vel-  
 vet) .....AAAA

Fleitmunn & Co. (Com.  
 Velvets) .....AAAA

Gomprecht, M. (Velvets)..B  
 Hill Bros. (Velvets)....B  
 Hoeninghaus & Curtiss  
 (Com. Plush; Velvets).AA

Jaeger & Schmiedel (Com.  
 Plush; Velvets).....A  
 Krindel Sons & Co., J.  
 (Velvets) .....AAA

Menke & Co., Jno. (Velvets) A  
 Oelbermann, Dommerich &  
 Co. (Com. Velvets) AAAAA

Passavant & Co. (Com.  
 Velvets) .....AAAA

Poncet & Neeser (Velvet).B  
 Schoolhouse & Son, Chas.  
 (Velvets) .....A

Stieglitz & Sons, M. L.  
 (Velvets) .....A  
 Stroock & Co., C. (Com.).A  
 Wimpfheimer & Co., A.  
 (Velvets) .....AAA

**PA.**—Catasaqua  
 Wahnetah Silk Co. (Silk;  
 Seal) .....A

**PA.**—Easton  
 Simon, R. & H. (Silk;  
 Velvet; Plush) ....AAAA

**PA.**—Philadelphia  
 Bechmann & Son, Geo. F.  
 (Velvets; Plushes)....A

Collins & Aikman Co. (Ve-  
 lours; Mohair; Cotton  
 Plush) .....A

Dobson, J. & J. (Silk; Mo-  
 hair; Worsted; Seal;  
 Coat Plushes; Silk Vel-  
 vets) .....AAAA

**PA.**—Swarthmore  
 Victory Plush Mill (Silk;  
 Velour) .....B

**R. I.**—Pawtucket  
 Goff & Sons, D. (Mohair).. AAA

**R. I.**—Woonsocket  
 Eagle Mills .....A

**POACHERS**

**ILL.**—Paxton  
 Paxton Hdw. Mfg. Co. (Egg) X

**IND.**—Terre Haute  
 Columbian Enameling &  
 Stamping Co. (Egg)..AAA

**N. Y.**—Brooklyn  
 Silver & Co., 304 Hewes  
 (Egg) .....O

**N. Y.**—Buffalo  
 Shepard & Co., Sidney (Egg) AAAAA

New York City  
 Lalance & Grosjean Mfg.  
 Co. (Egg) .....AAAA

Silver & Co. (Inc.) (Egg), O

**POCKETS**

See also Furniture; Pic-  
 tures, etc.

**CONN.**—Meriden  
 Bradley & Hubbard Mfg. Co.  
 (Brass Wall) .....AAAA

**KY.**—Louisville  
 Belcher Mfg. Co., J. V. (Me-  
 tal Pencil) .....B

**MASS.**—Ayer  
 Sigsbee Co. (Chamois Neck) D

**MASS.**—Boston  
 Messer & Co., Geo. E. (Slip-  
 per) .....B

**MICH.**—Detroit  
 Hargreaves Mfg. Co. (Wall) A

**MINN.**—Minneapolis  
 Dodson, Fisher, Brockman &  
 Co., 15 N. 3d (Leather  
 Saddle) .....AA

**MO.**—St. Louis  
 Webber Moulding Co., J. R.  
 (Wall) .....B

Western Railway Equipment  
 Co., Mo. Trust Bldg. (Car  
 Line) .....A

New York City  
 Gould-Mersereau Co. (Brass;  
 Wall) .....B

Hunt Co., C. W. (Coal)..AA  
 Judd & Co., H. L. (Brass;  
 Wall) .....AA

Mason & Co., J. W. (Wall). B

Tower & Lyon, 95 Chambers  
 Rubber; Pistol) .....B

**N. Y.**—Syracuse  
 Gaylord Bros. (Office Card) O

**PA.**—Philadelphia  
 Link Belt Engineering Co.  
 (Coal) .....AA

**PA.**—Pittsburg  
 Pressed Steel Car Co. (Steel  
 Stake) .....AAAA

**VT.**—North Bennington  
 Cushman Mfg. Co., Henry T.  
 (Wall) .....O

**PODOPHYLLIN**

**MO.**—St. Louis  
 Larkin & Scheffer Chem. Co. A

**OHIO.**—Cincinnati  
 Merrell Chemical Co., Wm.  
 C. ....AAAA

**POINTERS**

**CONN.**—Guilford  
 Spencer's Sons, I. S. (Picket) A

**CONN.**—Hartford  
 Cook Co., Asa S. (Bolt) B  
 Pratt & Whitney Co. (Bolt) AAAAA

**CONN.**—Waterbury  
 Waterbury Farrell Fdy. &  
 Mach. Co. (Wire) ....AA

**MD.**—Baltimore  
 Detrick & Harvey Machine  
 Co. (Bolt) .....AA

**N. H.**—Antrim  
 Goodell Co. (Pencil).....A

**N. J.**—Elizabeth  
 Braunsdorf - Mueller Co.  
 (Dowel) .....D

New York City  
 Millers' Falls Co., 28 Warren

**POINTERS (Con.)**

(Spoke) .....AA  
 New York Silicate Book  
 Slate Co., 68 Church  
 (Blackboard) .....D  
**OHIO—Cleveland**  
 Acme Mch. Co. (Bolt) AA  
 Reliance Machine & Tool Co.  
 (Bolt) .....D  
**OHIO—Hamilton**  
 Niles Tool Wks. Co. (Bolt)  
 AAAA  
**OHIO—Norwood**  
 Cincinnati Tool Co. (Spoke)  
 B  
**OHIO—Springfield**  
 Webster & Perks Tool Co.  
 (Bolt) .....C  
**OHIO—Timn**  
 National Mch. Co. (Bolt)  
 AA  
**R. I.—Pawtucket**  
 Pawtucket Mfg. Co. (Bolt)  
 A

**POINTS**

**CONN.—Derby**  
 Shelton Co. (Glaziers') ....A  
**CONN.—New Britain**  
 Stanley Rule & Level Co.  
 (Trammel) .....AAA  
**CONN.—Unionville**  
 Humphrey, H. W. (Glaziers)  
 D  
**ILL.—Chicago**  
 Chicago Wheel & Mfg. Co.  
 (Diamond Turning) ....C  
 Vulcan Iron Wks., 63 Mil-  
 waukee Av. (& Pile Caps;  
 Bands, &c.) .....AA  
**ILL.—Grand Crossing**  
 Grand Crossing Tack Co.  
 (Glaziers) .....AAA  
**ILL.—Havana**  
 Havana Metal Wheel Co.  
 (PLOW) .....A  
**MASS.—Athol**  
 Athol Machine Co. (Tram-  
 mel) .....B  
 Starrett Co., L. S. (Divider  
 Ball; Trammel) .....A  
**MASS.—Boston**  
 Austin & Eddy, 117 Broad  
 (Glaziers) .....C  
 Harvey, Henry H. (Stone-  
 cutters') .....D  
**MASS.—Fairhaven**  
 Atlas Tack Co. (Glaziers';  
 Picture Frame) .....AAAA  
**MASS.—Kingston**  
 Drew & Co., C. (Enameled  
 Burning) .....C  
**MASS.—South Hanover**  
 Phillips & Sons, E. (Gla-  
 ziers') .....A  
**MICH.—Detroit**  
 Anderson & Sons, W. H.  
 (Stonecutters') .....C  
**MICH.—Kalamazoo**  
 Harrow Spring Co. (Cultiva-  
 tor) .....B  
**MICH.—St. Johns**  
 Mason & Co., F. C. (Spring  
 Tooth; Single; Double  
 Pointed; Wheel Cultiva-  
 tor) .....C  
**N. J.—Newark**  
 Atha Tool Co. (Stone-  
 cutters') .....A  
**New York City**  
 Dickinson, Jno. (Est. of  
 Carbon; Diamond; Dia-  
 mond Graduating; Dia-  
 mond Turning) .....B  
 Sargent & Co. (Veneer)  
 AAAA  
 Tower & Lyon (Trammel)  
 B  
**PA.—Philadelphia**  
 Chester Steel Castings Co.  
 (Frog; Plow) .....AAAA  
 Penna. Steel Co. (Frog)  
 AAAA  
**PA.—Pittsburg**  
 Anchor Nail & Tack Wks.,  
 S. 19th & Merrimac (Gla-  
 ziers') .....B  
 Klein-Logan Co., S. 18th &  
 Breed (Stonecutters') ...A  
**VT.—Windsor**  
 Hubbard & McClary (Gla-  
 ziers') .....B

**POKERS**

**CONN.—Georgetown**  
 Gilbert & Bennett Mfg. Co.  
 (Stove) .....AAA  
**CONN.—Plainville**  
 Hills, Edwin (Stove) ....A  
**ILL.—Chicago**  
 Nicol & Co. (Stove) .....D  
**ILL.—Freeport**  
 Arcade Mfg. Co. (Stove) A  
 Stover Mfg. Co. (Stove) AA  
**MASS.—Worcester**  
 Wire Goods Co. (Stove) ..A  
**MICH.—Detroit**  
 Ireland & Matthews Mfg.  
 Co. (Stove) .....A  
**N. Y.—Albany**  
 Troy Nickel Wks. (Stove) C  
 New York City  
 Graf, Frank H., 322 7th  
 Av. (Stove) .....D  
 Peck, Stow & Wilcox Co.,  
 27 Murray (Stove) AAAA  
 Russell & Erwin Mfg. Co.,  
 43 Chambers (Stove) ....  
 AAAA  
 Sargent & Co., 151 Leonard  
 (Stove) .....AAAA  
**OHIO—Cleveland**  
 Federal Mfg. Co. (Stove)  
 AAAA  
**PA.—Philadelphia**  
 Pfeiffer & Co. (Ltd.), Jno.  
 (Stove) .....A

**POKES**

**IOWA—Fort Madison**  
 Iowa Farming Tool Co.  
 (Animal) .....A  
**MICH.—Galien**  
 Montross, Richard W. (Ani-  
 mal) .....B  
**MICH.—Lansing**  
 Lansing Wheelbarrow Co.  
 (Animal) .....AAA  
**OHIO—Lancaster**  
 Eagle Machine Co. (Animal)  
 A  
**PA.—Girard**  
 Ely Mfg. Co., Theo. J.  
 (Animal) .....C

**POLARISCOPES**

**MASS.—Boston**  
 Thompson & Co., A. T., 15  
 Tremont Pl. ....X  
 New York City  
 Colt & Co., J. B., Barclay  
 B  
 Elmer & Amend .....E  
 Kohlbusch, Herman, 194  
 B'way .....B  
**PA.—Pittsburg**  
 Scientific Materials Co. ...D

**POLES**

See also Woodwork: Car-  
 riage; also Furniture

**CONN.—Bridgeport**  
 Wheel & Wood Bending Co.  
 (Vehicle; Shafts) ....B  
**CONN.—Clinton**  
 Kelsey, Horatio (& Flag-  
 staffs) .....E  
**CONN.—New Haven**  
 Dann Bros. & Co. (Vehicle;  
 Shafts) .....B  
**CONN.—Torrington**  
 Turner & Seymour Mfg. Co.  
 (Extension Curtain) ....A  
**CONN.—Waterbury**  
 Scoville Mfg. Co. (Brass;  
 Curtain) .....AAAA  
**ILL.—Chicago**  
 Central Electric Co., 268  
 5th Av. (Iron; Steel Trol-  
 ley) .....A  
 Illinois Malleable Iron Co.  
 (Electric Light) .....AAAA  
 Klein, Mathias & Son, 87  
 W. Van Buren (Guarded  
 or Plain Pike) .....B  
 Roos Mfg. Co., Edward  
 (Wooden; Curtain) ...B  
**ILL.—Downer's Grove**  
 Dicke Tool Co. (Pike) ....C  
**ILL.—Edwardsville**  
 Springer Bros. Mfg. Co. (Ve-

**POLES (Con.)**  
 hicle; Shafts) .....F  
**ILL.—Freeport**  
 Stover Mfg. Co., 165 River  
 (Iron Flag; Iron; Steel  
 Trolley) .....AA  
**IND.—Anderson**  
 Anderson Pole & Shaft Co.  
 (Vehicle; Shafts) .....E  
 Buckeye Mfg. Co. (Vehicle;  
 Shafts) .....AA  
**IND.—Bremen**  
 Wright, Jno. J. (Vehicle;  
 Shafts) .....B  
**IND.—Indianapolis**  
 Parry Mfg. Co. (Vehicle;  
 Shafts) .....AAAA  
 Wayne Works (Vehicle;  
 Shafts) .....A  
**MD.—Baltimore**  
 Arnold Co., W. E. (Wooden;  
 Curtain) .....C  
**MASS.—Amesbury**  
 Bailey & Co., S. R. (Vehicle;  
 Shafts) .....A  
 Currier & Cameron Co. (Ve-  
 hicle; Shafts) .....C  
**MASS.—Boston**  
 Anderson Mfg. Co., A. & J.  
 (Trolley) .....A  
 Harrington, Robinson & Co.,  
 272 Franklin (Iron; Steel  
 Trolley) .....D  
 National Works Co. (Trol-  
 ley; Telegraph) .....AAAA  
 Stearns Lumber Co., A. T.  
 Neponset & 166 Devon-  
 shire (Clothes; Flag) .....AA  
 Walworth Mfg. Co., 132  
 Federal (Iron; Steel Trol-  
 ley) .....AAAA  
**MICH.—Bay City**  
 Michigan Pipe Co. (Creoso-  
 ted; Turned; Ornamental)  
 AA  
**MICH.—Cedar River**  
 Crawford & Sons (Cedar  
 Telegraph) .....A  
**MICH.—Ewart**  
 Champion Tool & Handle  
 Wrks. (Pike) .....AA  
**MICH.—Fenton**  
 Phillips Co., A. J. (Clothes)  
 A  
**MICH.—Flint**  
 Durant-Dort Carriage Co.  
 (Vehicle; Shafts) .....AAAA  
 Flint Wagon Wrks. (Vehi-  
 cle; Shafts) .....AA  
**MICH.—Hermansville**  
 Wisconsin Land & Lumber  
 Co. (Cedar) .....AAAA  
**MICH.—Kalamazoo**  
 Star Brass Wrks. (Trolley)  
 C  
**MICH.—Manistique**  
 White Marble Lime Co.  
 (Cedar) .....B  
**MICH.—Menominee**  
 Lindsley Bros. & Co. (Cedar)  
 B  
**MICH.—Oscoda**  
 Loud & Sons Lumber Co., H.  
 M. (Telegraph) .....AA  
**MICH.—Port Huron**  
 Tunnel City Regalia Co.  
 (Banner) .....D  
**MICH.—Saginaw**  
 Morley Bros. (Pike) ....AA  
**MINN.—Minneapolis**  
 Coolidge-Schussler Co. (Tele-  
 graph) .....B  
**MO.—St. Louis**  
 Pauk & Sons Mfg. Co., H.  
 (Barber) .....A  
 Webber Moulding Co., J. R.  
 (Wooden; Curtain) ....B  
 Western Electrical Supply  
 Co. (Trolley) .....X  
**N. H.—Manchester**  
 Campbell, Jno. (Exhibition)  
 H  
**N. J.—Lambertville**  
 Lambertville Spoke Mfg. Co.  
 (Vehicle; Shafts) .....A  
**N. Y.—Binghamton**  
 Wilkinson Mfg. Co. (Vehi-  
 cle; Shafts) .....A  
**N. Y.—Buffalo**  
 Howard Iron Wrks. (Iron  
 Flag) .....A  
**N. Y.—Gowanda**  
 Gowanda Agr'l Wrks. Co.

**POLES (Con.)**  
 (Cast Iron Hitching) ...X  
**New York City**  
 Amer. Flag. Co. (& Flag-  
 staffs) .....A  
 Carey, Geo. H. (Trolley).D  
 Chesebro, Whitman & Co.  
 (& Flagstaff; Clothes) B  
 Ferguson Bros. Mfg. Co.  
 (Wooden; Curtain) ....A  
 Gould-Mersereau Co. (Brass;  
 Curtain) .....B  
 Gould's Son & Co., M.  
 (Brass; Curtain) .....A  
 Greenlie, Wyatt & Co., 409  
 Water (Iron Flag) ....B  
 Judd & Co., H. L. (Brass;  
 Curtain; Cornice) .....AA  
 John Kroder & Henry Reu-  
 bel Co. (Brass; Curtain) B  
 Morris Co., Elmer P. (Trol-  
 ley) .....D  
 New York Ladder Co., 580  
 Hudson (Clothes) .....B  
 Wendell & MacDuffie (Trol-  
 ley) .....B  
**N. Y.—Rome**  
 Rome Brass & Copper Co.  
 (Brass; Curtain) .....AAAA  
**N. Y.—Schenectady**  
 General Electrical Co. (Iron;  
 Steel Trolley) .....AAAA  
**N. Y.—Syracuse**  
 Bradley & Son, C. C. (Ve-  
 hicle; Shafts) .....A  
**OHIO—Cincinnati**  
 Creaghead Engineering Co.  
 (Trolley) .....D  
 Electric Railway Equipment  
 Co., 431 E. Front (Iron;  
 Steel Trolley) .....B  
 Gholson Fence Co., W. C.,  
 1746 Reading Pl. (Metal  
 Flag; for Lawn or House  
 Tops) .....X  
 Nimmo Fence Co., 324 E.  
 4th (Iron Flag) .....F  
 Walton Iron Co., Spring  
 Grove Av. (Iron; Steel  
 Trolley) .....C  
**OHIO—Cleveland**  
 Federal Mfg. Co., Amer.  
 Trust Bldg. (Iron; Steel  
 Trolley) .....AAAA  
 Gerlach Co., Peter (Pike)  
 A  
**OHIO—Dayton**  
 Brown & Co., S. N. (Vehicle;  
 Shafts) .....F  
**OHIO—Hicksville**  
 Kerr Bros. & Co. (Pike;  
 Awning; Brush; Tent)..C  
**OHIO—Lima**  
 Coss & Stinebaugh (Brush;  
 Tent) .....E  
**OHIO—Mansfield**  
 Ohio Brass Co. (Iron; Steel  
 Trolley) .....AA  
**OHIO—Toledo**  
 Toledo Carriage Woodwork  
 Co. (Vehicle; Shafts)..A  
 Toledo Moulding Co. (Wood-  
 en; Curtain) .....A  
**OHIO—Van Wert**  
 Gleason Lumber Co. (Vehi-  
 cle; Shafts) .....A  
**PA.—Franklin**  
 Franklin Rolling Mill &  
 Fdry. Co. (Tripartite  
 Steel Trolley) .....X  
**PA.—Lancaster**  
 Downey Bros. Spoke & Bend-  
 ing Co. (Vehicle; Shafts)  
 B  
**PA.—McKeesport**  
 Nat'l Tube Co. (& Flag-  
 staffs; Trolley) .....AAAA  
**PA.—Middletown**  
 Amer. Tube & Iron Co.  
 (Electric Street Railway)  
 AAAA  
**PA.—Philadelphia**  
 Mayer & England Co., 10 S.  
 10th (Iron; Steel Trolley)  
 A  
 Merritt & Co., 1024 Ridge  
 Av. (Iron Flag) .....B  
**PA.—Pittsburg**  
 Nat'l Tube Co. (Iron; Steel  
 Trolley; Iron Flag).AAAA  
 Nuttall Co., B. D., Lafayette  
 & Garrison Place (Iron;

**POLES (Con.)**

Steel Trolley .....A  
 Phoenix Steel Construction Co., Penn. Av. & 3d (Iron Flag) .....D  
 Pittsburg Trolley Pole Co., 115 Water (Iron; Steel Trolley) .....X  
 Shelby Steel Tube Co., Frick Bldg. (Iron; Steel Trolley; Hose; Steel) .....AAAA  
 Simonds Mfg. Co., 25th & Liberty (Iron; Steel Trolley) .....B  
 Supply Mfg. Co. (Iron; Steel Trolley) .....X  
**PA.—Reading**  
 Leippe's Sons, Jacob A. (Vehicle; Shafts) .....A  
 R. I.—Providence  
 Sash Curtain Rod & Novelty Co. (Brass; Curtain) ..F  
**VT.—Burlington**  
 Vermont Shade Roller Co. (Wooden; Curtain; Torch; Cornice) .....A  
**VA.—Petersburg**  
 South Side Mfg. Co. (Wooden; Curtain) .....O  
**WIS.—Milwaukee**  
 Falk Co. (Iron; Steel Trolley) .....AAA  
 Wisconsin Bridge & Iron Co., Pabst Bldg. (Iron; Steel Trolley) .....AA  
**WIS.—Oshkosh**  
 Sanford Logging Tool Co. (Pike) .....D  
**WIS.—Racine**  
 Gold Medal Camp Furniture Co. (Folding Jointed Tent) .....B  
 Racine General Mfg. Co. (Vehicle; Shafts) .....E

**POLISH**

See also Finish; Blacking; Paste

**CAL.—San Francisco**  
 Bennett & Co., E. W. (Metal) 296 Church .....F  
**CAL.—Los Angeles**  
 Fuller & Co., W. P. (Mfrs. Agt. Hard Wax Floor) .....AAAA

**CONN.—Bridgeport**  
 Bridgeport Crucible Co. (Stove) .....O

**CONN.—Hartford**  
 Jennings Bros. Mfg. Co. (Metal) .....AA  
 Tracy Oil & Varnish Co. (Furniture) .....X

**CONN.—Meriden**  
 Meriden Britannia Co. (Silver) .....AAAA

**CONN.—New Haven**  
 Bostand Mfg. Co. (Gold; Silver; Metal) .....D  
 Smith Chemical Co. (Metal) .....H

**CONN.—New London**  
 Tarbox Mfg. Co. (Metal; Stove) .....O

**CONN.—New Milford**  
 Bridgeport Wood Finishing Co. (Carriage; Floor; Furniture; Piano) .....AA

**GA.—Atlanta**  
 Tripoline Mfg. Co. ....O

**ILL.—Chicago**  
 Adams & Elting Co. (Furniture) .....A

**American Shoe Polish Co.** (Shoe) .....E

Arnstein, Eugene, 35th & Shields Av. (Metal) ...A

Atwood & Steele, 18 River (Shoe) .....C

Ayling Bros., 14 Haddon Av. (Stove) .....E

Chicago Varnish Co., 35 Dearborn Av. (Hard Wax Floor) .....AA

Chicago Wood Finishing Co. (Furniture) .....A

Dearborn Duster Co., 122 S. Green (Metal) .....D

Hazlett & Co., Geo. K. (Metal) .....D  
 Lustre Chem. Co. (Furniture) .....F  
 Martin & Martin 1398 Car-

**POLISH (Con.)**

roll (Stove; Metal; Furniture) .....D  
 Matchless Metal Polish Co. (Metal; Nickel; Silver) ..D  
 Nickel Plate Stove Polish Co., 461 Illinois (Stove) .....O

Paul & Co., J. C., 91 Randolph (Metal) .....D

Prescott & Co., J. L., 18 N. Clark (Stove) .....A

Zeller, F., 3112 Butler ...F  
**ILL.—Rockford**  
 West Mfg. Co., L. M. (Patent Leather) .....X

**IND.—Connersville**  
 Golden Gleam Stove Polish Co. ....H

**IND.—Indianapolis**  
 Hoffman, Geo. W. (Metal) .....O

Interior Hardwood Co. (Floor) .....A

**IND.—Lafayette**  
 Harvey Chemical Co. (Metal) .....O

**LA.—New Orleans**  
 Bernhardt, David, 322 Camp (Mfrs. Agt. Hard Wax Floor) .....A

**MD.—Baltimore**  
 Burchard Blacking & Oil Co., 520 W. Franklin (Stove) .....F

Hirschberg-Hollander & Co. (Mfrs. Agt. Hard Wax Floor) .....B

Thalman Mfg. Co. (Stove) .....D

**MASS.—Boston**  
 American Metal Polish Co., 272 Devonshire (Metal) .....E

Baker & Co., Chas. F. (Shoe) .....A

Bird & Co., J. A. & W., 34 India (Hard Wax Floor) .....AA

Brown & Co., B. F. (Shoe) .....B

Butcher Polish Co., 356 Atlantic Av. (Hard Wax Floor) .....F

Dennison Mfg. Co. (Silver) .....AAAA

Hauthaway & Sons, C. L. (Patent Leather; Russet Leather; Shoe) .....A

New England Novelty Mfg. Co. (Stove) .....H

Parlor Pride Mfg. Co., 62 Clifford (Stove) .....O

Wiley & Co., I. H. (Floor Wax) .....O

**MASS.—Cambridge**  
 Lord Polish Co., T. P. (Metal) .....H

Reid Mfg. Co., W. W. ...H  
 Whittemore Bros. Co. (Shoe) .....AA

**MASS.—Canton**  
 Morse Bros. (Stove) .....AAAA

**MASS.—Lowell**  
 Lowell Polish Co. (Floor; Furniture) .....G

**MASS.—Taunton**  
 Reed & Barton Corporation (Silver) .....AAA

**MICH.—Detroit**  
 Acme White Lead & Color Wrks. (Hard Wax Floor; Furniture) .....AAA

Boydell Bros. Whitelead & Color Co. (Mfrs. Agt. Hard Wax Floor) ....AA

Detroit Whitelead Wrks. (Carriage; Piano; Furniture) .....AAA

Regal Mfg. Co. (D. J. Smith) .....D

Stevens F. B. (Metal) ...A

**MINN.—Winona**  
 Roesner Mfg. Co. ....H

**MO.—Kansas City**  
 Campell Glass & Paint Co. (Mfrs. Agt. Hard Wax Floor) .....AA

**MO.—St. Louis**  
 Herr Floor Co., Jno. (Hard Wax Floor) .....D

**MO.—Warrensburg**  
 Pearle Polish Mfg. Co. ...G

**N. J.—Jersey City**  
 Dixon Crucible Co., Joseph

## POLISH (Con.)

(Stove) .....AAAA  
**N. J.—Newark**  
 Hanson & Van Winkle  
 (Metal) .....AA  
**N. J.—Passaic**  
 Prescott & Co., J. L. (Stove)  
 A  
**N. Y.—Brooklyn**  
 Burns, E. R., 27 Jackson  
 (Metal) .....D  
**N. Y.—Buffalo**  
 Buffalo Specialty Mfg. Co.  
 (Furniture; Metal) .....F  
 East Mfg. Co. (Furniture) A  
 Favorite Mfg. Co., 1061 Ni-  
 agara (Metal) .....D  
 Liberty Chemical Co., 144  
 Terrace (Metal; Shoe) .....F  
 Stinson & Co., B. F., 418  
 Niagara (Stove) .....D  
 Ulrich & Co., C. 233 E.  
 North (Metal) .....C  
**N. Y.—Hartwick**  
 Bush, J. N. ....F  
**New York City**  
 Bixby & Co., S. M. (Russet  
 Leather) .....B  
 Borsum Bros. (Metal) .....B  
 Boston. Artificial Leather  
 Co., 12 E. 18th (Shoe) .....D  
 Chilton Paint Co., 69 Cort-  
 landt (Mfrs. Agt. Hard  
 Wax Floor) .....B  
 Electro-Silicon Co., 30 Cliff  
 (Silver) .....D  
 Gaston, Weston & Ladd, 320  
 Pearl (Stove) .....D  
 Gerstendorfer Bros. 235 E.  
 42d (Furniture) .....B  
 Green & Co., W., 6 Maiden  
 Lane (Gold; Silver) .....C  
 Hoffman, G. W., 1 Ann  
 (Metal) .....D  
 Matchless Metal Polish Co.  
 (Metal) 69 Frankfort .....D  
 Mayer & Loewenstein (Car-  
 riage) .....AAA  
 Miller Co., Frank (Patent  
 Leather) .....A  
 Moss, G. A., 167 Beade  
 (Stove) .....B  
 Pittit Chemical Co. (Metal)  
 B  
 Pierce Co., F. O. (Floor)  
 170 Fulton .....A  
 Prescott & Co., J. L., 90  
 W. B'way (Stove) .....A  
 Restorff & Bettman (Shoe)  
 B  
 Royal Lubricating Oil Co.,  
 116 Broad (Gold; Silver;  
 Piano; Metal) .....X  
 Salomon & Bro., L. A. (Sil-  
 ver) .....AA  
 Tonk & Bro., Wm., 452 10th  
 Av. (Piano) .....C  
**N. Y.—Palmyra**  
 Vacuum Packing Co. (Metal)  
 D  
**N. Y.—Rochester**  
 Amer. Chem. Mfg. & Mining  
 Co. (Stove) .....B  
 Nunn, G. L., & E. E., 116  
 Orange (Metal) .....F  
 Rochester Chemical Co.  
 (Metal; Stove) .....B  
 Wood Mosaic Flooring Co.  
 (Floor) .....AA  
**N. Y.—Syracuse**  
 Baum's Castorine Co. (Met-  
 al) .....X  
 Colebrook Sons & Co., W. H.  
 (Stove) .....C  
**N. Y.—Troy**  
 Connors Paint Mfg. Co.,  
 Wm. (Stove) .....A  
 Troy Paint & Color Wrks.  
 (Stove) .....B  
**OHIO—Akron**  
 American Metal Polish Co.  
 (Metal) .....F  
 Smith Bros. (Stove) .....B  
**OHIO—Cincinnati**  
 Barron, Boyle Co., 424 Main  
 (Hard Wax Floor) .....X  
 Obermayer Co., S. (Stove)  
 AA  
**OHIO—Cleveland**  
 Smith Fdry. Supply Co., J.  
 D. (Stove) .....D  
**OHIO—Columbus**  
 Citizens Wholesale Supply  
 Co., 150 3d (Shoe; Stove;  
 Metal; Silver) .....D

## POLISH (Con.)

**OHIO—Newark**  
 Styron, Beggs & Co. ....A  
**OHIO—Piqua**  
 Tice & Co., W. W. (Stove)  
 F  
**OHIO—Reading**  
 Kuebler, D. (Shoe) ....H  
**OHIO—Toledo**  
 National Cement & Rubber  
 Mfg. Co. (Nickel) ....O  
**PA.—Easton**  
 World Refining Co. (Metal;  
 Stove; &c.) .....D  
**PA.—Johnstown**  
 McKee & Co., Jas. N.  
 (Stove) .....X  
**PA.—Philadelphia**  
 Colburn Co., A., 110 N. 2d  
 (Stove) .....AA  
 Diamond & Onyx, 317 De-  
 lancy (Stove) .....B  
 Heaton & Wood, 1706 Chest-  
 nut (Dresden Wax Floor)  
 D  
 Lucas & Co., Jno. (Floor)  
 AAA  
 Mason Co., James S. (Pat-  
 ent Leather) .....A  
 Nice, Eugene E. (Floor;  
 Furniture) .....A  
 Wrigley Mfg. Co., 4478  
 Green (Metal) .....B  
**PA.—Pittsburg**  
 Atlas Paint Co. (Ltd.)  
 (Stove) .....X  
**PA.—West Chester**  
 Rapp, Barnet R. (Metal)  
 H  
**PA.—York**  
 World Polish Mfg. Co.  
 (Stove) .....D  
**R. I.—Providence**  
 Amer. Oil Co. (Metal) ...B  
**VT.—Rutland**  
 Rutland Fire Clay Co.  
 (Stove) .....B  
**WIS.—Milwaukee**  
 Delany Oil & Lubricant Co.  
 (Metal) .....X  
 Speich Stove Repair Co., 180  
 W. Water .....C  
**WIS.—Racine**  
 Wood Mfg. Co., Lyman  
 (Stove) .....D

## POLISHERS

See also Machy

**N. Y.—Buffalo**  
 Squier Mfg. Co., Geo. L.  
 (Coffee) .....AAA

## POLO

See Sporting Goods

## PONGEE

See Silk Goods

## POMADES

**N. Y.—New York City**  
 Dreyer & Co., P. R., 16  
 Cedar .....X  
 Hutchinson, D. W., 5 Cedar  
 E

**PA.—Philadelphia**  
 Vail Bros., 2000 N. 10th...C

## POMPONS

**N. Y.—New York City**  
 Hepner & Horwitz, 30 How-  
 ard .....B  
**PA.—Philadelphia**  
 Horstmann Co., Wm. H.  
 (Regalia; Uniform) .....AAAA  
 Oehrle Bros. & Co., 425 N.  
 3d .....B

## POPCORN

**ILL.—Chadwick**  
 Beede Bros. ....C  
**ILL.—Chicago**  
 Dickinson Co., Albert,  
 (Shelled) W. Taylor &  
 The River .....AA  
 Rueckheim Bros. & Eckstein  
 261 S. Desplaines .....A



## POPCORN (Con.)

Weaver & Co., C. H., 129 S.  
Water .....A  
IOWA—Le Mars  
Plymouth Roller Mills ....B  
Odebolt  
IOWA—Odebolt  
Cook's Brookmont Farm  
AAA

MICH.—Owosso  
Mich. Sanitary Popcorn Co.  
(Ltd.) .....C

MO.—Kansas City  
Peppard, J. G., 1101 W. 8th  
B

N. Y.—Albany  
McDougal & Co. ....A  
Wright, H. R. ....A  
New York City  
Cohen & Co., A. E., 18  
Wooster .....B  
OHIO—Columbus  
Williams Mill. Co., J. F...B  
B

TENN.—Memphis  
Heinrich & Co., J. J. ....C

WASH.—Seattle  
Bowen, E. J. ....A

## POPLAR

See Lumber

## POPPERS

ILL.—Chicago  
Oretors & Co., C. (Corn)...E

MASS.—Worcester  
National Mfg. Co. (Corn)...A

Parker Wire Gds. Co.  
(Corn) .....D

Wire Goods Co. (Corn)...A

N. Y.—Buffalo  
Shepard & Co., Sidney  
(Corn) .....AAAA

Western Wire Gds. Co.  
(Corn) .....D

N. Y.—Cortland  
Wickwire Bros. (Corn)...AAAA

New York City  
Gilbert & Bennett Mfg. Co.  
(Corn) .....AAA

OHIO—Cincinnati  
Bromwell Brush & Wire  
Gds. Co. (Corn) .....AA

OHIO—Delphos  
Delphos Can Co. (Corn)...B

OHIO—Hamilton  
Meyers Mfg. Co., Fred J.  
(Corn) .....B

PA.—Philadelphia  
Darby & Sons, Edward  
(Corn) .....A

## PORTEMONNAIES Con.

New York City  
Culbert & Co. ....X  
Deutsch Bros. ....AA  
PA.—Philadelphia  
Rumpp & Sons, C. F...AAA

## PORTFOLIOS

See also Leather Goods

ILL.—Chicago  
Landa & Co., A., 1784 E.  
Ravenswood Av. (Leather)  
H

MASS.—Holyoke  
National Blank Book Co. AA

MASS.—Springfield  
Taber-Prang Art Co. ....AA

N. Y.—College Point  
Gerlach, J. H. ....B

New York City  
Boorum & Pease Co...AAA

Fischman Leather Goods Co.  
95 5th Av. (Leather)...D

Harrell Leather Goods Co.,  
552 Bway. (Writing)...C

PA.—Philadelphia  
Rosenblatt & Co., H. M.,  
22d & Oxford (Music)...A

## PORTIERES

See also Draperies; Curtains

ILL.—Chicago  
Chicago Fringe & Embroid-  
ery Co., 55 Market (Rope)  
D

Mansure Co., E. L. Mich.  
Av. & Lake (Rope) ..AA

MASS.—Boston  
Paine Furniture Co.....A

New York City  
Bernhard Co., Morris, 85 W.  
19th (Rope) .....D

Gould Mersereau Co., 43 E.  
19th (Leather) .....B

Union Upholstery Trimming  
Co. (Rope) .....D

Waterman, Felix, 152  
Wooster (Rope) .....D

PA.—Philadelphia  
Horstman Co., Wm. H.  
Cherry & 5th (Rope)....AAAA

Oehrle Bros. & Co., 425  
No. 3d (Rope) .....B

Schrack & Sherwood, 233  
Market (Rope) .....A

## PORTRAITS

ILL.—Chicago  
Amer. Terra Cotta & Cera-  
mic Co. (Terra Cotta)...A

MASS.—Somerville  
Sprague & Hathaway Co..A

N. J.—Perth Amboy  
Perth Amboy Terra Cotta  
Co. (Terra Cotta) ....AA

## PORK

See Meat Packers

## PORPOISE

See Leather

## PORTABLES

CONN.—Waterbury  
Matthews & Willard Mfg.  
Co. ....AAAA

Plume & Atwood Mfg. Co.  
(Brass Electric) ....AAA

New York City  
Frink, I. P. ....AA

McLeod, Ward & Co.....E

PA.—Reading  
National Brass & Iron  
Wks. ....A

## PORTE- MONNAIES

See also Jewelry; Leather  
Goods

CONN.—Meriden  
International Silver Co.  
AAAA

GA.—Allapaha  
Baker, Jos. H. ....C

MASS.—Athol  
Bates Bros. & Co.....B

N. J.—Jersey City  
Mehl & Co., John.....AA

## POSTERS

ILL.—Chicago  
Kittridge & Co., R. J.  
Superior .....A

LA.—New Orleans  
Gulf Bag Co. (Ltd.)  
(Printed Cotton) ..AAAA

MASS.—Boston  
Bufford's Sons Engraving  
Co. (Theatrical) .....X

Forbes Lithograph Mfg. Co.  
(Theatrical) .....AA

New York City  
Federal Lithographic Co., 91  
Horatio .....B

Ottmann Lithographing Co.,  
J. (Theatrical) .....B

N. Y.—Rochester  
Karle Lithographic Co...A

OHIO—Massillon  
Massillon Sign & Show  
Printing Co. (Paper)...C

PA.—Philadelphia  
Wolf & Co. (Theatrical)...AAA

**POSTS (Con.)**

Ansonia Electrical Co.  
(Binding) .....A  
**CONN.—Bridgeport**  
 Bridgeport Brass Co. (Bind-  
 ing) .....AAA  
 Bryant Electric Co. (Bind-  
 ing) .....A  
**CONN.—Hartford**  
 Hartford Mach. Screw Co.  
 (Binding) .....AAAA  
 Pope Mfg. Co. (Bicycle  
 Seat) .....AAAA  
**CONN.—New Britain**  
 Corbin, P. & F. (Binding)  
 .....AAAA  
**CONN.—New Haven**  
 National Steel & Wire Co.  
 (Iron; Steel Fence) .....AAAA  
**CONN.—South Norwalk**  
 U. S. Foundry & Sales Co.  
 (Lamp) .....D  
**GA.—Savannah**  
 Southern Pine Co. of  
 Georgia (Newel) ...AAA  
**ILL.—Carpentersville**  
 Illinois Iron & Bolt Co.  
 (Hitching) .....AA  
**ILL.—Chicago**  
 Barbee Wire & Iron Wks.  
 (Barbed Wire; Cast Iron;  
 Iron Fence; Hitching;  
 Railing) .....B  
 Climax Fence Post Co., 204  
 Dearborn (Iron; Steel  
 Fence; Base made of Vit-  
 rified Shale Clay; Rail-  
 way Signal) .....E  
 Clow & Sons, Jas. B., 344  
 Franklin (Lamp) .....AAAA  
 Cutter Co., Geo. G., Union  
 & Fulton (Arc Lamp) ..C  
 Fairbanks, Morse & Co.,  
 Franklin & Monroe (Car  
 Bumping) .....AAAA  
 Illinois Malleable Iron Co.  
 (Hitching; Lamp) .....AAAA  
 Inland Steel Co., 204 Dear-  
 born (Steel for Railway  
 Fences) .....AAAA  
 McCord & Co., Old Colony  
 Bldg. (Car Bumping) ..B  
 Mechanical Mfg. Co., Union  
 Stock Yards (Car Bump-  
 ing) .....A  
 Pursell & Co., 232 So. Clin-  
 ton (Lamp) .....E  
 Railway Appliances Co., Old  
 Colony Bldg. (Car Bump-  
 ing) .....A  
 Railroad Supply Co., Bed-  
 ford Bldg. (Car Bumping;  
 Steel for Railway Fences)  
 .....B  
 Smith Wire & Iron Wks., F.  
 P., 100 Lake (Lamp) ..AA  
 Turner Brass Wks., Frank-  
 lin & Michigan (Binding)  
 .....A  
 Western Electric Co., 259  
 So. Clinton (Panding;  
 Elec. Light; Lamp) .....AAAA  
**ILL.—De Kalb**  
 De Kalb Fence Co. (Iron;  
 Steel Fence) .....AA  
 Union Fence Co. (Steel  
 Fence; Hitching) .....B  
**ILL.—Freeport**  
 Stover Mfg. Co. (Hitching)  
 .....AA  
**ILL.—Galva**  
 Hayes Pump & Planter Co.  
 (Ornamental Cast Iron;  
 Hitching) .....A  
**ILL.—Joliet**  
 Adams Steel & Wire Co.  
 (Steel Fence) .....D  
**IND.—Anderson**  
 Dwiggins Wire Fence Co.  
 (Iron; Steel Fence) .....B  
**IND.—Bloomfield**  
 Bloomfield Mfg. Co. (Hitch-  
 ing; Iron; Steel Fence) ..C  
**IND.—Goshen**  
 I. K. L. & Goshen Pump Co.  
 (Veranda) .....B  
**IND.—Indianapolis**  
 Enterprise Foundry & Fence  
 Co. (Hitching; Iron; Steel  
 Fence) .....B  
 Over, Ewald (Iron Fence) ..C  
**IND.—Kendallville**  
 Flint & Walling Mfg. Co.

**POSTS (Con.)**

(Hitching) .....AA  
**IND.—Kokomo**  
 Kokomo Steel & Wire Co.  
 (Iron; Steel Fence) .....AAA  
**IND.—Peru**  
 Peru Electric Mfg. Co.  
 (Binding) .....A  
**KY.—Burnside**  
 Burnside Mfg. Co. (Cedar)  
 .....E  
**MD.—Baltimore**  
 Smyser's Sons, E. G., 4  
 Light (Lamp) .....A  
**MASS.—Boston**  
 Dinn & Co., P. J., 278  
 Dover (Lamp) .....E  
 Electric Gas Lighting Co.,  
 195 Devonshire (Binding)  
 .....A  
 Globe Gas Light Co., 79  
 Union (Lamp) .....D  
 Smith Iron Co., G. W. & F.,  
 166 Devonshire (Lamp) ..A  
 Stearns Lumber Co., A. T.  
 (Wood Fence) .....AA  
**MASS.—Lowell**  
 Pevey & Bros., 224 Walker  
 (Lamp) .....C  
**MASS.—Waltham**  
 Davis & Farnum Mfg. Co.  
 (Lamp) .....A  
**MASS.—Worcester**  
 Wright Wire Co. (Fence)  
 .....AA  
**MICH.—Adrian**  
 Bond Steel Post Co. (Iron;  
 Steel Fence) .....A  
**MICH.—Albion**  
 Gale Mfg. Co. (Hitching) ..  
 .....AA  
**MICH.—Athens**  
 American Cement Post Co.  
 (Cement) .....F  
**MICH.—Bay City**  
 Michigan Pipe Co. (Turned;  
 Ornamental) .....AA  
**MICH.—Detroit**  
 Majestic Wire Fence Co.  
 (Fence) .....F  
**MICH.—Hermansville**  
 Wisconsin Land & Lumber  
 Co. (Cedar) .....AAAA  
**MICH.—Manistique**  
 White Marble Lime Co.  
 (Cedar) .....B  
**MICH.—Oscoda**  
 Loud & Sons Lumber Co.,  
 H. M. (Cedar) .....AA  
**MO.—St. Joseph**  
 Missouri Anchor Fence Co.  
 (Iron; Steel Fence) ....D  
**MO.—St. Louis**  
 Harry Steel Works, O. K.  
 (Iron Fence) .....B  
 Hutting Sash & Door Co.  
 (Newel) .....A  
 International Steel Post Co.,  
 719 Chestnut (Iron; Steel  
 Fence; Hitching) .....A  
 Ludlow-Saylor Wire Co.  
 (Fence; Hitching) .....AA  
 St. Louis Screw Co., 3017  
 N. 13th (Binding) .....A  
**NEBR.—Omaha**  
 Paxton & Vierling Iron Wks.  
 (Lamp) .....AA  
**N. H.—Concord**  
 Concord Foundry & Mach.  
 Co. (Lamp) .....B  
**N. H.—Manchester**  
 Campbell, John (Hitching)  
 .....H  
**N. J.—Jersey City**  
 Snead & Co. Iron Wks.  
 (Lamp) .....A  
**N. Y.—Binghamton**  
 Roberson & Son, A. (Newel)  
 .....AA  
**N. Y.—Brooklyn**  
 Hecla Iron Wks., N. 11th  
 & Berry (Lamp) .....AA  
**N. Y.—Cato**  
 Dutton Co., E. Q. (Hitch-  
 ing) .....E  
**N. Y.—Coxsackie**  
 Amer. Valve Co. (Indicator)  
 .....D  
**N. Y.—Horseheads**  
 Weller Hardware & Foundry  
 Co. (Cast Iron Hitching)  
 .....D

# POSTS (Con.)

**N. Y.—Manlius**  
 Cheney & Sons, S. (Cast Iron Hitching) .....A  
**New York City**  
 Bunnell Co., J. H., 20 Park Pl. (Binding)....B  
 Cornell Co., J. B. & J. M., 26th & 11th Av. (Lamp) AA  
 Drummond & Co., M. J., 192 B'way (Lamp) .....A  
 Fiske Iron Works, J. W., 39 Park Pl. (Arc Lamp; Iron Fence; Hitching).B  
 Fox & Co., John, 253 B'way (Lamp; Mfrs. Agts.)...B  
 Hartman Mfg. Co. (Hitching) .....X  
 International Brass & Elect. Co., 76 Beekman (Brass Binding) .....D  
 Jackson Co., Wm. H., 29 E. 17th (Lamp) .....A  
 Kennedy Valve Mfg. Co., 57 Beekman (Valve Indicator) .....AAA  
 Miner Thos., T. W., 821 Eagle Av. (Lamp).....F  
 Mott Iron Wks., J. L., 88 Beekman (Arc Lamp; Lamp; Hitching) ....AA  
 Westervelt, A. B. & W. T., 102 Chambers (Arc Lamp; Lamp) .....B  
**N. Y.—Troy**  
 West Side Fdry. Co. (Hitching) .....A  
**N. Y.—Waterford**  
 Eddy Valve Co. (Indicator) AA  
**N. Y.—Watervliet**  
 Covert Mfg. Co. (Hitching) A  
**OHIO—Ashtabula**  
 Barber Mfg. Co. (Painted; Bronzed Hitching) .....O  
**OHIO—Canton**  
 Amer. Steel Post Co. (Iron; Steel Fence) .....E  
 Sun Vapor Street Light Co. (Lamp) .....A  
**OHIO—Cincinnati**  
 Bourbon Copper & Brass Wks., 618 Front (Indicator) .....A  
 Electric Railway Equipment Co., 431 E. Front (Arc Lamp) .....B  
 Gholson Fence Co., W. C., 1746 Reading Rd. (Steel Hitching; Steel Fence; Steel Staves) .....X  
 Stacey Mfg. Co., 239 Mill (Lamp) .....AA  
 Stewart Iron Wks. (Hitching) .....A  
**OHIO—Cleveland**  
 Avery Stamping Co. (Iron; Steel; Fence) .....B  
 Cleveland Automatic Mach. Co. (Binding) .....AAA  
 Federal Mfg. Co. (Bicycle Saddle) .....AAAA  
 National Iron & Wire Co. (Hitching) .....B  
 Standard Tool Co. (Bicycle Seat) .....AA  
 Van Dorn Iron Wks. Co. (Iron; Fence; Hitching) AA  
**OHIO—Columbus**  
 International Fence & Fireproofing Co. (Hitching).A  
**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred J. (Hitching) .....B  
**OHIO—Kenton**  
 Champion Iron Co. (Hitching; Lamp; Iron Fence) AA  
**OHIO—Springfield**  
 Rogers Iron Co. (Iron; Steel Fence; Hitching) .....B  
**OHIO—Toledo**  
 Donovan Wire & Iron Co. (Hitching) .....C  
**PA.—Catawauqua**  
 Davis & Thomas Co. (Lamp) .....AA  
**PA.—Elwood City**  
 Glen Mfg. Co. (Steel Hitching) .....O

# POSTS (Con.)

**PA.—Mechanicsburg**  
 Comstock, Geo. S. (Hitching) .....O  
 Wilcox Mfg. Co., D. (Bicycle Seat) .....A  
**PA.—Nazareth**  
 Nazareth Foundry & Mach. Co. (Hitching; Mooring) B  
**PA.—Philadelphia**  
 Blatchley, C. G. (Newel; Hydrant) .....B  
 Creswell Iron Wks., S. J., 23d & Cherry (Lamp) ...B  
 Darby & Sons, Edward (Hitching) .....A  
 Gaumer Co., Jno. L., 19th & Hamilton (Lamp)....O  
 Kitson Hydro-Carbon Heating & Incan. Ltg. Co., 8th & Willow (Lamp) .....A  
 Partrick, Carter & Wilkins 1231 Callowhill (Binding) B  
 Penna. Globe Gas Light Co., Broad & Arch (Lamp)...A  
 Wood & Co., R. D. (Lamp) AAAA  
**PA.—Pittsburg**  
 National Tube Co., Frick Bldg. (Arc Lamp)...AAAA  
 Phoenix Steel Construction Co., Penn. Av. & 3d (Iron; Steel Fence) .....D  
**PA.—Reading**  
 Reading Foundry Co. (Lamp) .....X  
**PA.—So. Bethlehem**  
 Bethlehem Foundry & Mach. Co. (Hitching; Lamp; Mooring) .....O  
**PA.—Tamaqua**  
 Tamaqua Mfg. Co. (Hitching) .....B  
**R. I.—Providence**  
 Builders' Iron Foundry (Lamp) .....AA  
**S. C.—Spartanburg**  
 Morgan Wood & Iron Wks. (Newel) .....D  
**TE.N.—Nashville**  
 Prewitt, Spurr Mfg. Co. (Cedar) .....A  
**VA.—Norfolk**  
 Roper Lumber Co., Jno. L. (Cedar) .....AAA  
 Whitehurst Co., E. W. (Mooring) .....B  
**WIS.—Milwaukee**  
 Bailey & Sons, Wm. (Lamp) .....X  
 League Cycle Wks. (Bicycle Seat) .....D  
 Schwab Sons Co., R. J. (Iron; Steel Fence)...AA  
 Willer Mfg. Co. (Newel).A  
**WIS.—Racine**  
 Freeman & Sons, S. (Lamp) .....A  
 Racine Malleable & Wrought Iron Co. (Bicycle Seat).A  
**WIS.—So. Milwaukee**  
 Stowell Mfg. & Foundry Co. (Car Bumping; Iron; Steel Fence) .....A

# POTASH

**ILL.—Chicago**  
 Brookman Bros., 149 Huron E  
 Brookman Mfg. Co., 79 La Salle Av. ....D  
**MD.—Baltimore**  
 Balto Chrome Wks. (Bichromate) .....AA  
 Hoefner & Sons, A., 403 Exchange Pl. ....AA  
**MASS.—Boston**  
 Billings Clapp & Co. (Caustic) .....B  
 Fort Hill Chemical Co., 84 State (Chlorate).....A  
 Linder & Meyer (Chlorate) A  
**MASS.—Montague**  
 Mann, Jason .....D  
**MICH.—Bay City**  
 Michigan Chemical Co. AAA  
 North American Chemical Co. (Chlorate) .....A

**POTASH (Con.)**

**MICH.—Saginaw**  
 Passolt, H. (Crude) .....B  
**MO.—St. Louis**  
 Herf & Frerichs Chemical  
 Co. (Iodide).....A  
 Myers Lye Co., E. 3rd &  
 Clark Av.....B  
**N. J.—Newark**  
 Carhuff & Son Co., E. R.  
 (Prussiate) .....B  
 Hanson & Van Winkle Co.  
 (Cyanide of) .....AA  
**N. Y.—Albany**  
 Mendleson & Sons (Ball) ..A  
**N. Y.—Brooklyn**  
 Wiarda & Co., Jno. C. (Cya-  
 nide; Carbonate).....AA  
**N. Y.—Buffalo**  
 Hoefner & Sons, A., 170  
 Van Rensselaer .....A  
 Schoelkopf, Hartford &  
 Hanna Co. (Carbonate;  
 Chlorate) .....AAA  
**New York City**  
 Anthony Co., H. M., 48  
 B'way .....B  
 Babbitt, B. T., 82 Green-  
 wich .....AAAA  
 Battelle & Renwick, 163  
 Front (Muriate) .....AA  
 Beggs & Co., E. J., 101  
 Beekman (Dry Bisul-  
 phite) .....D  
 Brookman Mfg. Co., 193  
 Front .....D  
 Brower & Co., J., 16 Water  
 A  
 Champion Chemical Wks.,  
 177 Franklin .....B  
 Fuerst Bros. & Co. (Carbo-  
 nate; Chlorate) .....D  
 Hall, E. N., 396 B'way (Am-  
 moniated) .....A  
 Hill's Sons Co., Edw. (Cau-  
 stic; Carbonate) .....A  
 Hirsh & Son, Leon, 368  
 Greenwich (Pearl Ash) D  
 Jones Chemical Co., Enos.  
 F., 51 Jay (Pearl Ash;  
 White Crystal) .....B  
 Klipstein & Co., A. (Carbo-  
 nate; Chlorate) .....AA  
 Kuttroff-Pickhard & Co.  
 (Carbonate Chlorite) ...A  
 Lee & Co., James (Carbo-  
 nate) .....A  
**New York Chemical Wks.,**  
 48 W. B'way .....D  
 Phair, R. W. (Chlorate) F  
 Riker, J. L. & O. S. (Chlo-  
 rate) .....A  
 Roessler & Hasslacher Chem-  
 ical Co. (Bi-Chromate;  
 Cyanide of; Carbonate;  
 Chlorate) .....AA  
 Rogers & Pyatt (Chlorate)  
 A  
 Selling Co., The (Bichro-  
 mate) .....O  
 Wing & Evans (Pearl Ash)  
 AAA  
**N. Y.—Niagara Falls**  
 National Electrolytic Co.  
 A  
**N. Y.—Syracuse**  
 Solvay Process Co. (Caustic)  
 AAAA  
**OHIO—Cincinnati**  
 Babbitt, B. T., 804 Race  
 AAAA  
 Winkler & Co., Isaac (Car-  
 bonate) .....AA  
**OHIO—Defiance**  
 Dietrick, D. ....H  
**PA.—Philadelphia**  
 Ferguson Bros. (Carbonate;  
 Chlorate; Bi-Chromate) A  
 Kallion Chemical Co. (Bi-  
 Chromate) .....AA  
 Penna Chemical Wks. AAAA  
 Pennsylvania Salt Mfg. Co.  
 AAAA  
 Powers-Weightman - Rosen-  
 garten Co. (Bi-Chromate;  
 Caustic) .....AAAA  
**R. I.—Pawtucket**  
 Draper & Co., Jas. O. (Am-  
 moniated) .....B  
**VA.—Richmond**  
 Virginia Carolina Chemical  
 Co. (Caustic) .....AAAA

**POTASH (Con.)**

**WIS.—Milwaukee**  
 Eagle Lye Wks. (Caustic)  
 A

**POTS**

See also Earthenware;  
 Chinaware; Silverware;  
 Enamelled Ware; Tin-  
 ware

**CONN.—Bridgeport**  
 Amer. Tube & Stamping Co.  
 (Tallow) .....AAAA  
**CONN.—Elmwood**  
 Goodwin Bros. Pottery Co.  
 (Flower) .....B  
**CONN.—Meriden**  
 Manning, Bowman & Co.  
 (Coffee; Tea) .....AA  
**CONN.—New Britain**  
 Landers, Frary & Clark  
 (Glue) .....AAA  
**CONN.—Wallingford**  
 Wallace & Sons Mfg. Co.,  
 B. (Coffee; Tea) .AAAA  
**ILL.—Chicago**  
 Allis-Chalmers Co. (Slag)..  
 AAAA  
 Illinois Malleable Iron Co.  
 (Soldering) .....AAAA  
**ILL.—Paxton**  
 Paxton Hardware Mfg. Co.  
 (Coffee; Tea) .....X  
**ILL.—Quincy**  
 Modern Iron Wks. (Solder-  
 ing) .....B  
**ILL.—St. Charles**  
 Glen Mfg. Co. (Melting;  
 Soldering) .....D  
**IOWA—Fort Dodge**  
 Fort Dodge Stoneware Co.  
 (Bean) .....O  
**MASS.—Boston**  
 Contractors Plant Co., 8 Ol-  
 ver (Lead Melting) ....E  
**MASS.—Cambridge**  
 Hewes & Co., A.H. (Flower)  
 A  
**MASS.—Worcester**  
 Wheeler Foundry Co. (An-  
 nealing) .....D  
**MICH.—Detroit**  
 Amer. Electrical Heater Co.  
 (Electric Soldering) ....B  
 Byram & Co. (Iron; Melting)  
 D  
**MO.—St. Louis**  
 Kupferle, John C. (Solder)  
 AA  
**St. Louis Stamping Co.**  
 (Coffee; Tea; Sauce)....  
 AAAA  
**N. J.—Burlington**  
 Lindsay & Co., J. C. (Lead;  
 Melting) .....D  
**N. J.—Newark**  
 Bernz, Otto, S. 13th cor. S.  
 Orange Av. (Soldering) B  
**N. J.—Trenton**  
 MacKenzie Co. Duncan (An-  
 nealing) .....A  
**N. Y.—Brooklyn**  
 Graham Chemical Pottery  
 Wks., Chas., 1018 Met.  
 Av. (Stoneware Mixing)  
 D  
 Sweeney Mfg. Co., W. H.  
 (Coffee; Tea) .....A  
 Vogel & Bros., Wm. (Water-  
 ing) .....AA  
**N. Y.—Buffalo**  
 Aldrich Mfg. Co. (Coffee;  
 Tea) .....A  
 Buffalo Dental Mfg. Co.  
 (Soldering) .....B  
 Household Mfg. Co., 18  
 Pearl (Coffee) .....E  
 Shepard & Co., Sidney  
 (Coffee; Tea; Watering;  
 Glue) .....AAAA  
**New York City**  
 Central Stamping Co. (Beer;  
 Soup Stock;Stove) ....AA  
 Cornell Co., J. B. & J. M.,  
 26th & 11th Av. (Anneal-  
 ing) .....AA  
 Crane Co., Wm. M., 1183  
 B'way (Melting) .....A  
 International Silver Co.  
 (Chocolate; Coffee; Tea,  
 &c.) .....AAAA  
 Iron Clad Mfg. Co., 2 Cliff

**POTS (Con.)**

(Watering) .....A  
 Koven & Bros., L. O. (Melting) .....A  
 Lalance & Grosjean Mfg. Co. (Beer; Coffee; Tea; Cooking; Soup Stock; Glue; Stove) .....AAAA  
 Nichthauser & Levy, 96 Beekman (Watering)....C  
 Reilly Bros., 322 W. 41st (Knife Edge; Painters') D  
 Stoutenborough, X. (Cooking; Sauce; Soup Stock; Stove) .....D  
 N. Y.—Rochester Castle & Co., Wilmot (Coffee; Tea) .....B  
 N. Y.—Rome Rome Mfg. Co. (Coffee; Tea) .....B  
 N. Y.—Troy Troy Stamping Wks. (Coffee; Tea; Watering) ....AAAA.

**OHIO—Cincinnati**  
 Blymyer Iron Wks. Co. (Iron) .....B  
 Obermayer Co., S. (Glue; Watering) .....AA

**OHIO—Cleveland**  
 Fanner Mfg. Co. (Glue) A  
 Riverside Foundry Co. (Annealing) .....B

**OHIO—Cuyahoga Falls**  
 Turner, Vaughn & Taylor Co. (Annealing) .....B

**OHIO—Findlay**  
 Findlay Clay Pot Co. (Clay) A

**OHIO—Hamilton**  
 Kahn Bros., F. & L. (Iron) A

**OHIO—Steubenville**  
 Ohio Valley Clay Co. (Glass) A

**OHIO—Youngstown**  
 Pollock Co., Wm. B. (Annealing; Slag) .....AA

**PA.—Allegheny**  
 Pittsburg Clay Pot Co. (Glass) .....AA

**PA.—Erie**  
 Griswold Mfg. Co. (Soldering) .....A  
 Holland Mfg. Co. (Melting) B

**PA.—Harrisburg**  
 Hickok Mfg. Co., W. O. (Glue) .....AA

**PA.—Mooreburg**  
 Ack, J. F. (Earthen Flower) X

**PA.—New Brighton**  
 Pittsburg Clay Mfg. Co. (Bean; Flower) .....AAAA

**PA.—New Castle**  
 Pennsylvania Engineering Wrks. (Slag) .....AA

**PA.—Philadelphia**  
 Philadelphia Scoop Co. (Coffee; Tea) .....X

**PA.—Pittsburg**  
 McCullough-Dalzell Crucible Co. (Teeming) .....A  
 Standard Mfg. Co. (Cooking) AA

Willets Co. (Glass House) B

**PA.—Rochester**  
 Rochester Clay Pot Co. (Clay) .....C

**VT.—Rutland**  
 Rutland Fire Clay Co. (Watering) .....B

**WIS.—Milwaukee**  
 Allis-Chalmers Co. (Slag) AAAA

**POTTERY**

See also Stoneware; Earthenware; Chinaware

**CAL.—Los Angeles**  
 Los Angeles Stoneware Co. D

**CONN.—Elmwood**  
 Goodwin Bros. Pottery Co. (Artistic) .....B

**ILL.—Chicago**  
 Chicago Pottery Co. ....C  
**ILL.—Peoria**  
 Peoria Pottery Co. ....A

**POTTERY (Con.)**

**KY.—Paducah**  
 Bauer, J. A. ....B  
**MAINE—Bangor**  
 Bangor Stoneware Co. ...E  
**MD.—Baltimore**  
 Bennett Pottery Co., E. 1301 Canton Av .....B  
 Chesapeake Glass Co. (Druggists) .....D  
 Perine & Sons, M., 1009 W. Baltimore (Druggists) ..B

**MASS.—Taunton**  
 Wright & Son, F. ....H  
**MO.—St. Louis**  
 Monmouth Pottery Co., 1302 N. Main .....D

N. H.—Keene  
 Taft & Co., J. S. (Artistic) B

N. J.—Flemington  
 Fulper Pottery Co. (Stone Liquor Jugs) .....D

N. J.—Trenton  
 Ceramic Art Co. (Artistic) B  
 Cook Pottery Co. (Art) ..A  
 Monument Pottery Co. (Majolica) .....A

Morris & Wilmore Co. (Majolica) .....X  
 Willets Mfg. Co. (Artistic) A

N. Y.—Brooklyn  
 Graham Chemical Pottery Wks., 1018 Met. Av. (Acid Proof Chem.) .....D

N. Y.—Elmira  
 Farrington, E. W. ....C  
 New York City

Ahrenfeldt & Son, Chas., 50 Murray (Art) .....B  
 Bawo & Dotter, 26 Barclay (Art) .....AA

Bing & Co., Ferd., 10 Wash. Pl. (Art) .....A  
 Borgfeldt & Co., Geo., 43 W. 4th (Art) .....AAAA

Davison Bros., 12 Barclay (English) .....B  
 Dwenger, C. L., 35 Park Pl. (Art) .....D

Glaenger Freres & Rheinboldt, 28 Washn. (Art) .A  
 Lazarus, Rosenfeld & Lehmann, 62 Murray (Art) B

Hospital Supply Co. (Hospital) .....A  
 Levy & Co., L. W., 194 Bway. (Art) .....B

Owens Pottery Co., Jos., 70 W. Bway. (Art) .....X  
 Straus & Sons, L., 42 Warren (Art) .....AAAA

Vantine & Co., A. A., 20 E. 18th (Art) .....AAA

N. Y.—Syracuse  
 Syracuse Stoneware Co. AA

**OHIO—Akron**  
 Akron Pottery Co. ....C

**OHIO—Buckeye Cottage**  
 Buckeye Stoneware Co. ...F

**OHIO—Cincinnati**  
 Rockwood Pottery Co. (Am. Faience; Druggists') ..B

**OHIO—East Liverpool**  
 Cartwright Bros. Co. (Druggists') .....A

**OHIO—Sebring**  
 Sebring Pottery Co. (Bar-room) .....AA

**OHIO—Zanesville**  
 Ohio Pottery Co. (Ewers) .C  
 Owens Pottery Co., J. B. (Am. Faience; Art) ....A

Weller, S. A. (Faience) AA  
 Zanesville Art Pottery Co. (Pitchers) .....B

Zanesville Stoneware Co. (Tableware) .....C

W. VA.—Wheeling  
 Wheeling Potteries Co. (Tableware) .....AAA

**POUCHES**

**CONN.—Waterbury**  
 Waterbury Brass Co. (Shot) AAAA

D. C.—Washington  
 Peerless Pouch Co. ....H

**ILL.—Chicago**  
 Nicol & Co. (Coin; Tobacco) D

Shafer Co., F. L., 263 Dear-

**POUCHES (Con.)**

born (Leather Coin) ....D  
**MASS.**—Andover  
 Tyer Rubber Co. (Rubber) AA  
**MASS.**—Boston  
 Davidson Rubber Co.  
 (Tobacco) .....A  
 N. Y.—Gloversville  
 Mills, Fred S. (Tobacco) ..D  
 Wilkins Co., E. J. (Tobacco) B  
 New York City  
 Spalding & Bros., A. G.  
 (Shot) .....AAAA  
**OHIO**—Akron  
 Faultless Rubber Co. (Rubber) .....AA  
 Goodrich Co., B. F. (Rubber) AAAA  
**OHIO**—Barberton  
 Pure Gum Specialty Co.  
 (Rubber) .....C  
**PA.**—Blue Ball  
 Shirk, P. E. (Metal) ....D

**POUNCE**

New York City  
 Davids Co., Thaddeus, 127  
 William .....C  
 Stafford, S. S. ....B

**POUNDERS**

**CONN.**—New Britain  
 Landers, Frary & Clark  
 (Steak) .....AAA  
 Stanley Rule & Level Co.  
 (Steak) .....AAA  
**CONN.**—New Haven  
 Brown & Co., R. H. (Steak) B  
**ILL.**—Freeport  
 Stover Mfg. Co. (Steak) AA  
**MASS.**—North Hadley  
 Dickinson & Son, C. D.  
 (Broom) .....D  
**MASS.**—Worcester  
 Parker Wire Goods Co.  
 (Steak) .....D  
 New York City  
 Burns & Sons, Jabez (Spice;  
 Drug) .....B  
 Peck, Stow & Wilcox Co.  
 (Steak) .....AAAA  
**OHIO**—Cleveland  
 Fanner Mfg. Co. (Steak) ..A  
**OHIO**—Ravenna  
 Williams, A. C. (Steak) ..A  
**PA.**—Wrightsville  
 Wrightsville Hardware Co.  
 (Steak) .....B

**POWDER**

See also Gunpowder

**ARK.**—Little Rock  
 Fletcher Coffee & Spice Co.  
 (Baking) .....D  
**CAL.**—Los Angeles  
 Southern Calif. Supply Co.  
 (Baking) .....B  
**CAL.**—Petaluma  
 Petaluma Incubator Co.  
 (Insect) .....B  
**CAL.**—San Francisco  
 Amer. Cream Tartar Co.  
 (Baking) .....A  
 California Powder Wks. (Explosive; Blasting; Gun) A  
 California Vigor Powder Co., 208 California (Explosive) .....A  
 Giltard Mfg. Co., 119 Front  
 (Baking) .....E  
 San Francisco Candle Co.  
 (Soap) .....A  
**CAL.**—Stockton  
 Buhach Producing & Mfg.  
 Co. (Insect) .....AA  
**CONN.**—Derby  
 U. S. Rapid Fire Gun &  
 Powder Co. (Explosive) AA  
**CONN.**—Hartford  
 Sturtevant Corporation, F. C.  
 (Insect) .....D  
**DEL.**—Wilmington  
 Dupont Co., E. I. (Smokeless; Gun, etc.) ..AAAA  
**FLA.**—Pensacola  
 Buffalo Mfg. Co. (Baking) G

**POWDER (Con.)**

**GA.**—Brunswick  
 Downing Co. (Baking) ..AA  
**GA.**—Savannah  
 Imperial Baking Powder Co.  
 (Baking) .....B  
**ILL.**—Bloomington  
 Ela Mfg. Co. (Baking) ....F  
 Waldorf, W. A. (Baking) E  
**ILL.**—Chicago  
 Aetna Powder Co., 148 Dearborn (Dynamite; Gelatine; Blasting; Gun) .....AA  
 Allen & Co., J. W., 210 Washn. Bould. (Baking) B  
 Armour Soap Wks. (Soap) AAAA  
 Arnstein, Eugene, 35th & Shields Av. (Bronze) ...A  
 Atwood & Steele, 18 River (Baking; Insect) .....O  
 Barrett & Co., M. L., 219 Lake (Aluminum) .....A  
 Bear Bros., 69 So. Water (Baking) .....C  
 Benjamin, M. A. (Pure Food Baking Powder Co.) 112 W. Washn. (Baking) ..F  
 Calumet Baking Powder Co., St. Clair & Ohio (Baking) D  
 Chapman & Davison Co., 59 W. Washn. (Baking) ..C  
 Chapman & Smith Co., 187 W. Randolph (Baking; Almond Macaroon; Yeast) A  
 Dieter Co., J. P. (The) (Baking) .....C  
 Field-Collins Mfg. Co., 89 W. Washn. (Baking) ...D  
 Gillett, E. W., 99 Erie (Baking) .....AAAA  
 Grant Hygienic Baking Powder Co., 25 So. Desplaines (Baking) .....B  
 Independent Baking Powder Co., 42 River (Baking) E  
 Jaques Mfg. Co., 244 Johnson (Baking) .....AAA  
 Krembs & Co. (Insect) ...O  
 Lewis & Co., Geo. A. (Baking) .....C  
 McMahon & Durlacher Co. (Baking) .....D  
 Matchless Metal Polish Co. (Metal Polishing) .....D  
 Price Baking Powder Co., 186 Michigan (Baking) AAAA  
 Puhl-Webb Co., 119 W. Randolph (Baking) .....O  
 Purity Chemical Co., 279 E. Madison (Baking) .....D  
 Raven & Co., L. A. (Horse; Cattle, etc.) .....B  
 Reid, Murdock & Co., Lake & Market (Baking) AAAA  
 Sherman Bros. & Co., 22 So. Water (Baking) .....A  
 Stearns Electric Paste Co. (Insect) .....F  
 Thompson & Taylor Spice Co. (Baking) .....AA  
**ILL.**—Decatur  
 Decatur Extract Co. (Baking) .....D  
**ILL.**—East St. Louis  
 Layton Pure Food Co. (Baking) .....D  
**ILL.**—Peoria  
 Allaire, Woodward & Co. (Insect) .....A  
 Fisher & Co., Chas. (Baking) B  
 Miller Pure Food Co. (Baking) .....F  
**ILL.**—Plano  
 Cunningham & McCracken (Baking) .....F  
**IND.**—Evansville  
 Grocers' Chemical Wks. (Baking) .....E  
**IND.**—Indianapolis  
 Climax Coffee & Baking Powder Co., 523½ E. Washn. (Baking) ....B  
 Everitt, J. A. (Insect) ...B  
 Grocers' Supply Co., 128 So. Penna. (Baking) .....O  
**IND.**—Logansport  
 Kewanna Baking Powder Co. (Baking) .....A

# POWDER (Con.)

**IND.—Richmond**  
Fouts, O. H. (Horse; Cattle) D  
Ross Drug Co., W. H. (Baking) .....D  
**IND.—South Bend**  
Russ Co. (Baking) .....C  
Victor Mfg. Co. (Baking) F  
**IND.—Terre Haute**  
Eureka Powder Co. (Explosive) .....D  
Independent Powder Co. (Explosive) .....C  
Indiana Powder Co. (Explosive) .....A  
Northwestern Powder Co. (Explosive) .....B  
**IND.—Wabash**  
Wabash Baking Powder Co. (Baking) .....B  
**IOWA—Allerton**  
Allerton Caponizer Mfg. Co. (Insect) .....H  
**IOWA—Des Moines**  
Globe Baking Powder Co. (Baking) .....G  
**IOWA—Sioux City**  
Northwestern Mfg. Co. (Baking) .....E  
**KANS.—Topeka**  
Hygienic Mfg. Co. (Baking) F  
**KANS.—Wichita**  
Amer. Soda & Baking Powder Co. (Baking) .....F  
**KY.—Covington**  
Chemical Mfg. Co. (Talcum) E  
**KY.—Louisville**  
Ottenhimer & Son, E., 630 E. Market (Baking Powder) .....C  
Robertson & Carrier Co. (Baking) .....D  
**KY.—Paducah**  
Paducah Vinegar Wks. (Baking) .....D  
**LA.—New Orleans**  
Gulf Mfg. Co., (F. W. Young, Prop.) 523 Natchez (Baking) .....B  
Vermont Chemical Mfg. Co. (Ltd.) 206 Poydras (Baking) .....C  
**MD.—Baltimore**  
Foutz, D. E. (Horse; Cattle) B  
Koehler & Son, J. (Insect) E  
McCormick & Co. (Baby; Horse; Cattle; Insect) ..C  
Parrish Bros., 115 E. Lombard (Baking) .....B  
Read & Co., C., 113 So. Fred'k (Baking) .....C  
Rolan Mfg. Co., (O. Read & Co., Prop.) 113 So. Fred'k (Baking) .....C  
Sea Gull Spec. Co., (The) 509 E. Lombard (Baking) D  
Thomsen Chemical Co. (Dover's) .....B  
**MASS.—Boston**  
Amer. Powder Mills, 233 State (Gun, etc.) ....AA  
Anderson Bros., 100 Boylston (Putty) .....X  
Boston Baking Powder Co., 234 State (Baking) ....D  
Gary & Co., J. E. (Insect) E  
Harrison Supply Co., 32 India Wharf (Putty) ..E  
India Alkali Wks. (Compounds; Car Cleansing) C  
Lincoln's Baking Powder Co. (Mrs. M. J.) 21 Commerce (Baking) .....D  
Linder & Meyer (Bleaching) A  
Slade Co., D. & L. (Imp. & Mfrs.) 13 India (Baking; Yeast) .....A  
Wheeler, Asabel (Bronze) C  
**MASS.—Cambridge**  
Savena Mfg. Co. (Soap) ...B  
**MASS.—Newburyport**  
Eagle Chemical Co. (Soap) B  
**MICH.—Ann Arbor**  
Dean & Co. (Mfrs.) (Baking) .....A  
**MICH.—Detroit**  
Horton-Cato Mfg. Co., 25

# POWDER (Con.)

Griswold (Baking; Curry) D  
Ingram & Co., F. F., 50 10th (Baking; Horse; Cattle) B  
Lafer Bros., 9 Cadillac Square (Baking) .....C  
Murray, Edgar A., 71 Gledale Av. (Roach) .....H  
Parke, Davis & Co. (Insect) .....AAAA  
Regal Mfg. Co. (D. J. Smith) (Baking) .....D  
Seely Mfg. Co. (Baby) .....C  
Stevens, F. B. (Dentists' Polishing) .....A  
**MICH.—Grand Rapids**  
Jennings Flavoring Extract Co. (Baking) .....C  
**MICH.—Lansing**  
Anthony Powder Co. (Gun, etc.) .....C  
**MICH.—Jackson**  
Foote & Jencks (Inc.) (Face) .....D  
**MICH.—Lansing**  
Northrop, Robinson & Carrier Co. (Baking) .....B  
**MICH.—Marquette**  
Lake Superior Powder Co. (Explosive) .....A  
**MICH.—Midland**  
Dow Chemical Co. (Bleaching) .....AAA  
**MICH.—Muskegon**  
Puro Mfg. Co. (Baking) ..C  
**MICH.—Saginaw**  
Henderson & Co. (Baking) D  
**MINN.—Minneapolis**  
Hunt Perfect Baking Powder Co., 215 1st Av. No. (Baking) .....C  
Straits Co., H. B., 106 2d Av. No. (Baking) .....B  
**MINN.—St. Paul**  
Kent, W. H., 9th & Jackson (Baking) .....C  
Schmitz-Auss Co., 282 Jackson (Baking) .....D  
**MO.—Kansas City**  
Murdock Mfg. Co., C. A., 1225 Union Av. (Baking) A  
Peet Bros. Mfg. Co. (Soap) AA  
**MO.—St. Louis**  
Amer. Supply Co., 900 No. Main (Baking) .....C  
Aquat, A. D. (& Compounds; Car Cleansing; Varnish Renovator) ...E  
Bain & Chapman Mfg. Co., 114 No. Main (Baking) C  
Bayle, Geo. A., 113 So. 2nd (Baking; Curry) .....B  
Blanke Tea & Coffee Co., C. F., Clark Av. & 7th (Baking) .....AA  
Donnell Mfg. Co., 612 So. 8th (Baking) .....B  
Eddy & Eddy, Main & Market (Baking) .....AA  
Grant Chemical Co., J. C., 502 So. 7th (Baking) ...E  
Live Stock Remedy Co. (Cattle) .....F  
Metzenauer, E., 211 So. 8d (Baking) .....C  
Perfect Baking Powder Mfg. Co., 22 No. Com'l (Baking) .....E  
Pozzoni & Co., J. A. (Face) .....B  
Shepard Baking Powder Co., 311 No. Main (Baking) ..D  
Taylor Baking Powder Co., 307 No. Main (Baking) E  
**NEBR.—Omaha**  
On Time Yeast Co. (Baking) 0  
**N. J.—Red Bank**  
Keystone Baking Powder Co. (Baking) .....C  
**N. Y.—Albany**  
Moore Bros. (Horses; Cattle) .....B  
Pure Baking Powder Co. (The) (Baking) .....D  
**N. Y.—Brooklyn**  
Columbia Chemical Wks. (Soap) .....B  
Monaroh Chemical Co., 18 Sackett (Baking) .....E  
Wiarda & Co., John C. (Putty) .....AA

# POWDER (Con.)

**N. Y.—Buffalo**  
 Abwender, E. E., 300 Cedar (Baking) .....C  
 Davis Mfg. Co., R. L., White Bldg. (Baking) G  
 Hoefner & Sons (Soap) ...A  
 Larkin Co. (Baby; Soap) .....AAAA  
 Oriental Powder Mills, Prudential Bldg. (Explosive) AA  
 White Cap Mfg. Co., 67 Clinton (Baking) .....D  
**N. Y.—Cohoes**  
 Amer. Soap & Washoline Co. (Soap) .....A  
**N. Y.—Fairport**  
 Dudley & Co. (Baking) ...B  
 Monroe County Chemical Co. (Baking) .....B  
**N. Y.—Fishkill-on-Hudson**  
 Hammond, B. (Insect) ...D  
**N. Y.—Kingston**  
 Ceres Chemical Co. (Baking) D  
 Kingston Baking Powder Co. (Baking) .....E  
**N. Y.—New Brighton**  
 Muralo Co. (Sized Mica) ...A  
**N. Y.—Newburg**  
 Granite City Soap Co. (Soap) B  
 Washington Baking Powder Co., 80 Front Av. (Baking) A  
**New York City**  
 Babbitt, B. T., 82 Washn. (Soap) .....AAAA  
 Barrett Chemical Co. (Insect) .....D  
 Borsum Bros. (Metal Polishing) .....B  
 Cleveland Baking Powder Co., 100 William (Baking) AA  
 Colgate & Co. (Face) AAAA  
 Cooper & Co., Chas. (Photographic Flash) .....AA  
 Costar Mfg. Co. (Insect) F  
 Davis, R. B., 90 W. Bway. (Baking) .....A  
 Dean & Son, 361 Washn. (Baking) .....A  
 De Ronde Co., Frank S., 46 Cliff (& Compounds; Car Cleansing) .....B  
 Devoe, F. W. & C. T. Reynolds Co. (Bronze), AAAA  
 Durkee & Co., E. R., 534 Washn. (Baking; Curry) AA  
 Egg Baking Powder Co., 80 West (Baking) .....F  
 Electro Silicon Co., 30 Cliff (Metal Polishing) .....D  
 Engel & Co., Jno., 187 W. Bway. (Bronze) .....D  
 Forcite Powder Co., 120 Liberty (Blasting) .....A  
 Fuchs & Lang Mfg. Co., 29 Warren (Gold; Bronze) AA  
 Fuerst Bros. & Co. (Bleaching) .....D  
 General Chemical Co. (Blasting) .....AAAA  
 Gennert, G. (Photographic Flash) .....B  
 Gerstendoerfer Bros., 48 Park Pl. (Bronze) .....B  
 Gillies & Co., E. J., 245 Washn. (Baking) ...AA  
 Gordon, F. P., 99 Wall (Baking) .....B  
 Green & Co., D. E. (Insect) .....A  
 Griffing Iron Co., A. A. (Bronze) .....AA  
 Henry, T. J. (Gold) .....F  
 Hill's Sons Co., Edw. (Bleaching) .....AA  
 Johnson & Johnson, 100 William (Baby) .....AAAA  
 Jones Chemical Co., Enos F. (Baking) .....B  
 Kemp Co., W. B., 165 Spring (Aluminum; Bronze) ...B  
 Klinestein & Co., A. (Hypo-sulphite; Chlorate; Caustic) .....AA  
 Laffin & Rand Powder Co., 99 Cedar (Smokeless; Gun, etc.) .....AAAA  
 Lee & Co., James (Hypo-

# POWDER (Con.)

sulphite; Caustic) .....A  
 Longman & Martines (Bronze) .....AAA  
 McKesson & Robbins (Insect) .....AAAAA  
 Marsching & Co., 27 Park Place (Bronze) .....A  
 Morrill & Co., Geo. H., 21 Vandewater (Bronze) AA  
 New York Baking Powder Co., 102 Murray (Baking) C  
 New York Powder Co., 55 Liberty (Explosive) ...A  
 Nichols Chemical Co. (Insect) .....AAAA  
 Pacific Coast Borax Co., 100 William (Borated Talcum) AAAA  
 Pomeroy & Fisher, 80 Frankfort (Bronze) .....B  
 Pyle & Sons, Jas. (Soap) A  
 Rand Drill Co., 128 Bway. (Explosive) .....AAAA  
 Becamier Mfg. Co. (Almond Macaroon) .....F  
 Rendrock Powder Co., 128 Bway (Blasting) .....B  
 Repauno Chemical Co., 99 Cedar (Blasting; Gun; Smokeless) .....AAAA  
 Ricksecker Co., Theo. (Face) .....C  
 Riessner, S., Gold & Ann (Bronze) .....D  
 Riker & Son Co., Wm. B. (Face) .....AA  
 Riker, J. L. & D. S. (Bleaching) .....A  
 Roessler & Hasslacher Chemical Co. (Bleaching) AA  
 Royal Baking Powder Co., 100 William (Baking) AAAA  
 Schlegel Mfg. Co., Oscar, 182 Grand (Bronze) .....C  
 Sholes Co., C. E. (Bleaching) .....X  
 Tappan, H. (Face) .....AA  
 Tarrant & Co. (Inc.) (Face) D  
 Taylor Chemical Co., 89 Cortlandt (Baking) ...A  
 Thurston & Braidich (Insect) .....AA  
 Tyler & Finch Co. (The) (Insect) .....A  
 Ullman Co., Sigmund (Bronze) .....A  
 Von Lengerke & Detmold (Gun) .....A  
 Waldorf, Fred H., 120 Hudson (Baking) .....E  
 Wetmore Co., S. H. (Face) D  
 Wood & Selick (Baking) .A  
**N. Y.—Niagara Falls**  
 Acker Process Co. (Bleaching) .....D  
**N. Y.—Salamanca**  
 Anderson Chemical Co. (Face) .....X  
**N. Y.—Sandy Hill**  
 New Century Baking Powder Co. (Baking) .....E  
**N. Y.—Schenectady**  
 New York Mfg. Co., (The) (Jas. S. Juno, Prop.) (Insect) .....E  
**N. Y.—Syracuse**  
 Hanford Mfg. Co., C. G. (Baking) .....F  
 Solvay Process Co. (Baking) AAAA  
**N. Y.—Ushers**  
 Anthony, Joshua (Baking) A  
**N. Y.—Utica**  
 Smith & Co., D. B. (Insect) B  
**N. Y.—Wilton**  
 Hodges, A. & J. O. (Horse; Cattle; Fowl) .....H  
**N. Y.—Yonkers**  
 Simmons Baking Powder Co. (Baking) .....D  
**OHIO—Ashland**  
 Hess & Clark Drs. (Horse) D  
**OHIO—Bellairs**  
 Carter Bros. (Horse; Cattle) F  
**OHIO—Bryan**  
 Gold Leaf Baking Powder Co. (Baking) .....G



POWDER (Con.)		POWDER (Con.)	
Parlan Mfg. Co. (Baking) O		Jewel Mfg. Co., 202 Chan-	
OHIO—Canton		cellor (Baking) .....	A
Bernower Baking Powder		Krout Co., Alb., 66 N. Front	
Co. (Baking) .....	E	(Baking) .....	O
OHIO—Cincinnati		Lucas & Co., John, 322	
American Chemical Co.		Race (Bronze) .....	AAAA
(Bleaching) .....	C	McCullin & Co., Thos. H.	
Cincinnati Soap Co. (Soap) B		(Photographic Flash) ..	H
Freeman Perfume Co.		Maurer & Son, D. (Insect) E	
(Face) .....	B	Tetlow Mfg. Co., 57 No.	
Howell Mfg. Co., 135 Sycamore		Mascher (Baby; Bath;	
(Baking) .....	E	Face) .....	C
Jergens Co., Andrew (The)		Vail Bros. (Face) .....	O
(Talcum) .....	AAA	White Dental Mfg. Co., S. S.	
Kenton Baking Powder Co.,		(Tooth) .....	AAAA
326 E. 3d (Baking) .....	A	PA.—Pittsburg	
King Powder Co., cor. 5th		Banner Baking Powder Co.,	
& Main (Gun, etc.) .....	AAA	334 2d Av. (Baking) ...	B
Marshall Chemical Co., 109		Hommel Co., O., 110 Mar-	
W. Front (Baking) .....	C	ket (Bronze) .....	H
Pure Food Co., 240 Main		Pittsburg Crushed Steel Co.,	
(Baking) .....	O	61st & Butler (Putty) ..	B
Winkler & Co., Isaac		PA.—Pottsville	
(Bleaching) .....	AA	Oressona Powder Co. (Explo-	
OHIO—Cleveland		sive) .....	B
Austin Powder Co. (Gun,		PA.—Scranton	
Smokeless) .....	AA	Trager & Son, H. F. (Roach,	
Clark Co., Fred. G. (Bleach-		etc.) .....	F
ing) .....	A	PA.—Shamokin	
Mattie Mitchell Co., 1925		Beury Powder Mills (Explo-	
Harvard (Baking) .....	B	sive) .....	B
Schorndorfer & Eberhard		Shamokin Powder Co.	
Co. (Baking) .....	C	(Explosive) .....	O
Zipp Mfg. Co. (The) 111		PA.—Shenandoah	
Woodland Av. (Baking) O		Lakeside Powder Co. (Ex-	
OHIO—Dayton		plosive) .....	O
Dayton Spice Mills Co.		Roberts Powder Co. (Explo-	
(Baking) .....	A	sive) .....	O
Ware Coffee Co., C. F.		Shenandoah Powder Co. (Ex-	
(Baking) .....	A	plosive) .....	X
OHIO—Findlay		PA.—West Fairview	
Happer & Co., C. H.		Universal Baking Powder	
(Baking) .....	B	Co. (Baking) .....	B
OHIO—Newark		PA.—York	
Styron, Beggs & Co. (In-		Rockdale Powder Co. (Ex-	
sect; Horse; Cattle) ...	A	plosive) .....	A
OHIO—Springfield		R. I.—Apponaug	
United States Baking Pow-		Lambert, D. J. (Insect) ..	F
der Wks. (Baking) ....	D	R. I.—Pawtucket	
OHIO—Toledo		Draper & Co., Jas. O.	
Bour Co. (The) J. M. (Bak-		(Soap) .....	B
ing) .....	B	R. I.—Providence	
Great Western Powder Co.		Arnold, Hoffman & Co.	
(Blasting) .....	A	(Bleaching) .....	AA
Lorenz Co., Geo. (Face) ..	D	Kendall Mfg. Co. (Soap)	
Woolson Spice Co. (Baking)		.....	AAA
AAAA		Rumford Chemical Wks.	
OHIO—Troy		(Baking; Yeast) .....	AAAA
Pearson & Co., J. E. (Bak-		TENN.—Chattanooga	
ing) .....	A	Chattanooga Powder Co.	
OHIO—Urbana		(Explosive) .....	AA
Urbana Baking Powder Co.		Magic Food Co. (Horse;	
(Baking) .....	O	Cattle) .....	D
OHIO—Xenia		Steward Mfg. Co., D. M.	
Miami Powder Co. (Explo-		(Talc) .....	B
sive; Blasting; Gun) ..	AA	TENN.—Knoxville	
OHIO—Youngstown		New South Baking Powder	
Ohio Powder Co. (Explosive)		Co. (Baking) .....	G
A		TENN.—Nashville	
PA.—Allegheny City		Southern Soda Wks. (Bak-	
Jones, G. W. (Insect) ....	C	ing) .....	A
PA.—Ashland		TEXAS—Dallas	
Anthraccite Powder Co. (Ex-		Hughes Bros. Mfg. Co.	
plosive) .....	X	(Baking) .....	A
PA.—Bedford		Kitchen Queen Baking Pow-	
Peerless Mfg. Co. (Horse;		der Co. (Baking) .....	E
Cattle) .....	O	VT.—Swanton	
PA.—Bradford		Robin Hood Powder Co.	
Rock Glycerine Co.		(Gun, Smokeless) .....	A
(Smokeless) .....	F	VA.—Portsmouth	
PA.—Easton		Virginia Chemical & Mfg.	
World Refining Co. (Horse;		Co. (Baking) .....	B
Cattle; Baking) .....	X	VA.—Richmond	
PA.—Emporium		Amer. Baking Powder Co.	
Keystone Powder Mfg. Co.		(Baking) .....	AAA
(Explosive) .....	B	Sauer Co., C. F. (Baking) O	
PA.—Oliver Mills		Southern Mfg. Co. (Baking)	
Du Pont Co., E. I. (Explo-		.....	A
sive) .....	AAAA	W. VA.—Glen Easton, P. O.	
PA.—Philadelphia		Moninger Poultry Powder	
Binswanger Co., B., 115 N.		Co. (Horse; Cattle; Poul-	
4th (Bronze) .....	D	try) .....	H
Colburn Co., A., 110 N. 2nd		WIS.—Milwaukee	
(Baking) .....	AA	Forrest City Baking Powder	
Fergusson Bros. (Bleaching)		Co., 274 E. Water (Bak-	
A		ing) .....	O
French & Co., Samuel H.,		Grossman & Co., W., 274 E.	
4th & Callowhill (Bronze)		Water (Baking) .....	C
AAA		Jewett & Sherman Co., 289	
Heinle Specialty Co., Chas.,		Bway (Baking) .....	A
2731 Kensington Av. (Baking)			
D			
Hollingsworth & Peterson			
(Bleaching) .....	B		

# POWERS

See also Agr. Imps

**ILL.—Aurora**  
Amer. Well Wks. (Horse)...  
AA

**ILL.—Batavia**  
Appleton Mfg. Co. (Horse)  
A

Challenge Wind Mill &  
Feed Mill Co. (Horse) ...  
AAA

**U. S. Wind Engine & Pump**  
Co. (Horse) .....AA

**ILL.—Chicago**  
Creamery Package Mfg. Co.  
(Churn) .....AAAA

Staver Carriage Co. (Horse)  
AA

**ILL.—Freeport**  
Stover Mfg. Co. (Horse)...AA

**ILL.—Marseilles**  
Marseilles Mfg. Co. (Horse)  
A

**ILL.—Moline**  
Deere & Mansur Co. (Horse)  
AAAA

**ILL.—Ottawa**  
Porter Co., J. E. (Horse).A

**ILL.—Rockford**  
Dobson Mfg. Co. (Animal) B  
McDermald, John (Churn) A  
Palmer Co., H. H. (Churn) D

**ILL.—Sandwich**  
Sandwich Mfg. Co. (Horse)  
AA

**ILL.—Sterling**  
Keystone Co. (Horse)...AA  
Sterling Mfg. Co. (Horse).A

**IND.—Kendallville**  
Flint & Walling Mfg. Co.  
(Horse) .....AA

**IND.—Richmond**  
Gaar, Scott & Co. (Horse)...  
AAAA

Robinson & Co. (Horse).AA

**IOWA—Waterloo**  
Kelly & Taneyhill Co.  
(Horse) .....C

**IOWA—Webster City**  
Litchfield Mfg. Co. (Horse)  
A

**KANS.—Fort Scott**  
Fort Scott Foundry & Mach.  
Co. (Horse) .....H

**KANS.—Manhattan**  
Blue Valley Mfg. Co.  
(Horse) .....F

**MASS.—Boston**  
Ames Plow Co. (Horse)  
AAAA

**MASS.—Greenfield**  
Goodell-Pratt Co. (Foot)...B

**MICH.—Battle Creek**  
Advance Thresher Co.  
(Horse) .....AAAA

**MICH.—Kalamazoo**  
Smith & Pomeroy Windmill  
Co. (Horse) .....B

**MICH.—Monroe**  
Wilder-Strong Implement  
Co. (Horse) .....B

**MINN.—Mankato**  
Mankato Mfg. Co. (Horse)  
D

**MINN.—Minneapolis**  
Howell & Co., R. R.  
(Horse) .....B

Minneapolis Threshing Ma-  
chine Co. (Horse)...AAAA

**MO.—St. Louis**  
Kingsland Mfg. Co. (Horse)  
B

Whitman Agricultural Co.  
(Horse) .....AA

**N. Y.—Albany**  
Dedericks Son, P. K.  
(Horse) .....A

**N. Y.—Buffalo**  
Buffalo-Pitts Co. (Horse)  
AAAA

Squier Mfg. Co., Geo. L.  
(Horse) .....AAA

**N. Y.—Cobleskill**  
Harder Mfg. Co. (Dog  
Tread) .....B

**N. Y.—Greene**  
Lyon Iron Wks. (Animal)  
B

**N. Y.—Ithaca**  
Williams Bros. (Horse).AA

**POWERS (Con.)**  
**New York City**  
Slotkin & Praglin (Foot)...B  
N. Y.—Seneca Falls  
Goulds Mfg. Co. (Horse)...  
AAA

**N. C.—Winston-Salem**  
Salem Iron Wks. (Horse), A

**OHIO—Ashland**  
Myers & Bro., F. E.  
(Horse) .....AA

**OHIO—Cincinnati**  
Blymyer Iron Wks. Co.  
(Horse) .....B

**OHIO—Cleveland**  
North Electric Co. (Board)  
A

**OHIO—Lancaster**  
Eagle Machine Co. (Horse)  
A

Hocking Valley Mfg. Co.  
(Horse) .....A

**OHIO—Mansfield**  
Aultman & Taylor Machin-  
ery Co. (Horse) .....AAAA

**OHIO—Martin's Ferry**  
Spence & Son, L. (Horse).A

**OHIO—Massillon**  
Russell & Co. (Horse).AAA

**OHIO—Salem**  
Silver Mfg. Co. (Horse).AA

**OHIO—Springfield**  
Foss Mfg. Co. (Horse)...A

**PA.—Allegheny**  
Carlin's Sons, Thos. (Horse)  
A

**PA.—Elizabethtown**  
Buch's Sons, A. (Horse)...A

**PA.—Lansdale**  
Heebner & Sons (Horse).A

**PA.—Mechanicsburg**  
Comstock, Geo. S. (Horse)  
C

**PA.—Monroeton**  
Booth & Co., O. N. (Churn)  
F

**PA.—Tatamy**  
Messinger Mfg. Co. (Lever;  
Churn; Dog) .....B

**PA.—Waynesboro**  
Geiser Mfg. Co. (Horse) ...  
AAAA

**TENN.—Memphis**  
Livermore Foundry & Mach.  
Co. (Horse) .....A

**VT.—Bellows Falls**  
Vermont Farm Mach. Co.  
(Dog; Horse) .....C

**VT.—Middletown Springs**  
Gray's Sons, A. W. (Horse)  
AA

**VA.—Richmond**  
Cardwell Machine Co.  
(Horse) .....A

**WIS.—Manitowoc**  
Smalley Mfg. Co. (Horse) B

**WIS.—Eacine**  
Freeman & Sons Mfg. Co.,  
S. (Horse) .....A

**WIS.—Sheboygan**  
Stehn Mfg. Co. (Horse)...D

# PRESERVA- TIVES

See also Anti-Septics

**CAL.—San Francisco**  
Preservaline Mfg. Co. (Br.  
N. Y. City, N. Y.) (Fruit;  
Food) .....A

**CONN.—New Haven**  
Humiston Preservative Co.  
(Fruit; Food) .....X

**ILL.—Chicago**  
Heath & Milligan Mfg. Co.  
(Paint) .....AAA

Heller & Co., B., 251 S. Jef-  
ferson (Freezing Com-  
pound) .....D

**IND.—Indianapolis**  
Indianapolis Chemical Co.,  
1442 Madison Av. (Wood)  
F

**MAINE—Portland**  
Berlin Mills Co. (Wood)...  
AAAA

Egg Crystalline Mfg. Co.  
(Egg) .....X

**MD.—Baltimore**  
Germania Mills (Fruit;  
Food) .....D

## PRESERVATIVES Con.

**MASS.—Boston**  
Cabot, Samuel (Brick;  
Stone; Wood) .....A  
**MICH.—Detroit**  
Chrysocolla Preservative Co.  
(Ltd.) (Fruit; Food)....X  
**MICH.—Pewaukee**  
Congdon & Co., J. L.  
(Fruit; Food) .....B  
**MO.—St. Louis**  
Mallinckrodt Chemical  
Wks., 2nd & Mallinck-  
rodt (Wood) .....AAAA  
**N. J.—Kearney**  
Cromwell-Walker Co.  
(Wood) .....C  
**N. Y.—Buffalo**  
Cling Surface Co. (Rope).D  
**New York City**  
Chemicals & Drug Co. of  
America (Fruit; Food).D  
Electric Fire Proofing Co.  
(Wood) .....B  
Lieber & Co., H. (Fruit;  
Food) .....C  
Maas & Waldstein (Fruit;  
Food) .....A  
Menzel & Son, Wm., 68  
Broad (Wood) .....D  
Preservalline Mfg. Co., 41  
Warren (Beverages; Fruit;  
Food; Coating) .....A  
Smith & Co., Edward  
(Coating) .....A  
Standard Paint Co. (Paint;  
Coating) .....A  
U. S. Wood Preserving Co.,  
29 B'way (Wood) .....B  
Williamson & Co., D. D.  
(Fruit; Food) .....B  
**N. C.—Wilmington**  
Spirittine Chemical Co.  
(Wood) .....C  
**OHIO—Cincinnati**  
Pfaff Varnish & Stain Co.,  
Jno., 1660 Central Av.  
(Wood) .....X  
**OHIO—Geneva**  
Forman Chemical Mfg. Co.  
(Fruit; Food) .....G  
**PA.—Philadelphia**  
Bean Co., Lewis U. (Coat-  
ing) .....D  
Lucas & Co., John (Paint)  
AAA  
Protectus Co., North Amer.  
Bldg. (Wood) .....B  
Rhoads & Son, J. E. (Coat-  
ing) .....A  
**PA.—Pittsburg**  
Suydam Co., M. B., 61st &  
Butler (Wood) .....A  
**PA.—Williamsport**  
National Paint Wks.  
(Paint) .....B  
**R. I.—Providence**  
U. S. Gutta Percha Paint  
Co. (Paint) .....A  
**S. C.—Summerville**  
Summerville Fernoline Wks.  
(Coatings; Wood) .....F  
**TEXAS—Beaumont**  
International Creosoting &  
Construction Co. (Wood)  
AA  
**VA.—Norfolk**  
Atlantic Creosoting & Wood  
Preserving Wks. (Wood)  
A  
Norfolk Creosoting Co.  
(Wood) .....A  
**WIS.—Milwaukee**  
Carbolineum Wood Preserv-  
ing Co. (Wood) .....D  
Milwaukee Wood Preserving  
Co. (Wood) .....E

## PRESERVERS

**DEL.—Wilmington**  
Drein & Son, Thos. (Life)  
B  
**N. Y.—Brooklyn**  
Kahn-Wellers Sons, David  
(Life) .....B  
**N. Y.—Buffalo**  
Cling Surface Co. (Belt)..D  
**N. Y.—Long Island City**  
Lane & De Groot Co. (Life)  
D  
**New York City**  
Armstrong Cork Co., 57

## PRESERVERS (Con.)

Murray (Cork Life)AAAA  
Colgan, Jas. B., 675 Hud-  
son (Life) .....C  
Hodgman Rubber Co., 806  
B'way (Rubber Life).AA  
**N. C.—Wilmington**  
Spirittine Chemical Co.  
(Brick) .....C  
**PA.—Pittsburg**  
Banar & Wieland (Life)..C

## PRESERVES

See Jams, etc.

## PRESSES

See Mills; Machy; Tools;  
Agr. Imps, etc.

**ALA.—Attalla**  
Attalla Foundry & Mach Co.  
(Cotton) .....C  
**ALA.—Montgomery**  
Janney & Co., A. A.  
(Cotton) .....A  
**ARK.—Little Rock**  
Thomas-Fordyce Mfg. Co.  
(Cotton) .....A  
Wing & Stephens Co.  
(Cotton) .....X  
**CAL.—Chico**  
Bullard, Walter (Hay)....F  
**COLO.—Denver**  
Mine & Smelting Supply Co.,  
Blake & 17th (Filter)...  
AAAA  
**CONN.—Ansonia**  
Cook Co., Henry C.  
(Power) .....D  
Farrell Foundry & Mach. Co.  
(Rubber Vulcanizing; Hy-  
draulic) .....AAAA  
**CONN.—Bridgeport**  
Amer. Tube & Stamping Co.  
(Drop) .....AAAA  
Automatic Machine Co.  
(Power) .....B  
Coulter & McKenzie Mach.  
Co. (Drop) .....B  
Nilson Machine Co., A. H.  
(Power) .....D  
Schwerdtle Stamp Co. (Seal,  
all Kinds) .....F  
**CONN.—Derby**  
Birmingham Iron Foundry  
(Hydraulic; Heel) ....AA  
Whitlock Printing Press  
Mfg. Co. (Cylinder;  
Pony) .....A  
**CONN.—Guilford**  
Spencer's Sons, J. S.  
(Tobacco) .....A  
**CONN.—Hartford**  
Bailey Mfg. Co.  
(Copying) .....C  
Billings & Spencer Co.  
(Drop; Trimming) ...AA  
Colt's Patent Fire Arms  
Co. (Job Printing; Foot  
Power; Embossing; Paper  
Box Cutter) .....AAAA  
National Machine Co. (Em-  
bossing; Cutting; Breast-  
ing; Printing) .....A  
Parker, T. M. (Seal).....G  
Pratt & Whitney Co. (Black-  
smiths' Drill; Broaching;  
Drawing; Drop; Power;  
Screw; Shearing; Trim-  
ming; Punching; Foot)...  
AAAA  
**CONN.—Higginum**  
Cutaway Harrow Co. (To-  
bacco) .....X  
**CONN.—Meriden**  
Kelsey Press Co. (Job;  
Card Printing) .....A  
Merriman, A. H. (Drawing;  
Cutting; Punching; Stamp-  
ing; Sheet Metal Power;  
Screw) .....C  
Wheeler & Son, Frank  
(Power) .....C  
**CONN.—Milledale**  
Ellis & Son, F. L. (Foot;  
Power) .....E  
**CONN.—New Britain**  
Landers, Frary & Clark  
(Fruit; Meat; Lard; Tal-  
low) .....AAA

**PRESSES (Con.)**  
**CONN.—New Haven**  
 Eastern Machinery Co.  
 (Brick) .....B  
 Griswold, Geo. M., 35  
 Union (Power) .....D  
**Miner & Peck Mfg. Co.**  
 (Drop; Power; Trimming;  
 Blanking; Drawing;  
 Stamping) .....X  
 Shuster Co., F. B. (Toggle;  
 Double; Pendulum Lever  
 Foot; Power; Screw;  
 Lever) .....X  
**CONN.—New London**  
 Babcock Printing Press  
 Mfg. Co. (Cylinder Print-  
 ing) .....C  
 Brown Cotton Gin Co.  
 (Printing) .....AA  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co.  
 (Blacksmiths' Drill; Foot;  
 Hand; Power) .....AAAA  
**CONN.—Thompsonville**  
 Bushnell Press Co. (Hay;  
 Wine; Cider; Cotton Seed  
 Oil; Hydraulic; Linseed  
 Oil; Peanut Oil; Power;  
 Screw; Veneer; Wood  
 Pulp; Bookbinders';  
 Hand; Knuckle; Joint;  
 Baling; Cloth; Drug;  
 Emery Wheel; Fish Scrap;  
 Hair; Hand Power;  
 Hemp; Herb; Hide; Hop;  
 Hydraulic Baling; Leath-  
 er; Moss; Packing House;  
 Bag; Wool; Yarn; Castor  
 Bean; Clay Filter; Filter;  
 Fruit; Lard; Oil; Hydraul-  
 ic Oil; Oleomargarine;  
 Paraffine; Oil; Wax; Tal-  
 low; Tincture; Varnish;  
 Whitelaid Filter; Stand-  
 ing Tankage; Butchers'  
 Offal; Electrotypes; Pa-  
 per; Paper Box Cutter;  
 Sewerpipe; Tile; Vulcan-  
 izing) .....A  
**CONN.—Tolland**  
 Clough, R. M. (Foot;  
 Power) .....D  
**CONN.—Waterbury**  
 Blake & Johnson (Drawing;  
 Drop; Foot; Power; Cut-  
 ting) .....A  
 Cross & Speirs Mach. Co.  
 (Drop; also Portable;  
 Foot; Power) .....X  
 Draher, Jno. (Foot; Power)  
 .....F  
 Manville Mach. Co., E. J.  
 (Single Foot; Single;  
 Double acting Power;  
 Jewelers') .....C  
 Waterbury Farrel Foundry  
 & Mach. Co. (Cotton;  
 Drawing; Drop; Emboss-  
 ing; Foot; Forming; Hy-  
 draulic; Power; Screw;  
 Shearing; Punching; Tog-  
 gle Joint; Jewelers')..AA  
 Waterbury Mach. Co.  
 (Power; Hydraulic; Gang  
 Tool) .....B  
**DEL.—Wilmington**  
 Betts Machine Co. (Hydraul-  
 ic Wheel; Hydostatic  
 Wheel; Hydraulic) ...AA  
 Hillis & Jones Co. (Power;  
 Rail Straightening; Trim-  
 ming) .....AAA  
 Pusey & Jones Co. (Cotton;  
 Filter; Hydraulic)....AAA  
**GA.—Atlanta**  
 De Loach Mill Mfg. Co.  
 (Baling; Hay) .....R  
 Van Winkle Gin & Mach  
 Wks. (Cotton) .....AAA  
 Lombard Iron Wks. & Sup-  
 ply Co. (Cotton; Baling)  
 .....A  
**GA.—Fort Valley**  
 Miller, O. H. (Cotton) ..B  
**GA.—Macon**  
 Schofield Sons Co., J. S.  
 (Cotton) .....A  
**GA.—Newman**  
 Cole Mfg. Co., R. D. (Cot-  
 ton; Hydraulic) .....AA  
**GA.—West Point**  
 West Point Iron Wks.

**PRESSES (Con.)**  
 (Cotton) .....B  
**ILL.—Batavia**  
 Sperry & Co., D. R. (Filter)  
 .....B  
**ILL.—Belleville**  
 Belleville Pump & Skein  
 Wks. (Copying) .....AA  
**ILL.—Bradley**  
 Bradley Mfg. Co., David  
 (Hay) .....AAA  
**ILL.—Carpentersville**  
 Illinois Iron & Bolt Co.  
 (Blacksmiths' Drill; Hori-  
 zontal; Upright; Copying;  
 Hydraulic) .....AA  
**ILL.—Chicago**  
 Allbright-Well Co. (Filter)  
 .....D  
 Allis-Chalmers Co., Home  
 Ins. Bldg. (Filter).....AAA  
 Amer. Can Co., Merchants'  
 Loan & Trust Bldg.  
 (Broaching; Drawing;  
 Power; Screw; Trimming)  
 .....AAAA  
 Barnhardt Bros. & Spindler  
 (Job Printing) .....AA  
 Challenge Machinery Co.  
 (Job; Newspaper Ptg.)..A  
 Chicago Scale Co., 296 W.  
 Jackson Boul. (Copying;  
 Letter) .....A  
 Consolidated Press & Tool  
 Co. (Blanking; Broaching;  
 Drawing; Flanging; Foot;  
 Forging; Power; Screw;  
 Stamping) .....D  
 Creamery Package Co.  
 (Cheese) .....AAAA  
 Drake Standard Mach. Wks.  
 (Brick) .....B  
 Elmes Engineering Wks.,  
 Chas. F., cor. Fulton &  
 N. Morgan (Filter; Hy-  
 draulic M'anging; Hydraul-  
 ic Rubber Vulcanizing;  
 Hydraulic Wheel) .....A  
 Goss Printing Press Co., 732  
 S. Paulina (Printing; Ro-  
 tary; Newspaper Perfect-  
 ing) .....A  
 Latham Machinery Co. (Job  
 Printing; Monogram;  
 Proof; Washington Hand;  
 Embossing; Standing)..C  
 Miehle Printing Press &  
 Mfg. Co., 75 N. Clinton  
 (Cylinder; Job; Book  
 Printing; Two Revolution)  
 .....A  
 Perrin & Co., Wm. R., 46th  
 & Loomis (Filter for Abat-  
 toirs; Hydraulic for Abat-  
 toirs; Knuckle Joint; Lev-  
 er; Power; Screw, for  
 Abattoirs) .....A  
 Pridmore, Henry E., 918 S.  
 Rockwell (Automatic  
 Copying) .....A  
 Roebuck, F. P. (Mono-  
 gram; Embossing) .....E  
 Schmedewind Co., Paul  
 (Printers' Proof) .....X  
 Sharpless Co. (Gang  
 Cheese) .....C  
 Sigwalt Mfg. Co. (Seal)...C  
 Vulcan Iron Wks., 63 Mil-  
 waukee Av. (Hand  
 Power Hydraulic) ...AA  
 Whitman & Barnes Mfg.  
 Co. (Blacksmiths' Drill;  
 Wine; Cider) .....AAAA  
 Wold, Porrice & Co. (Can)  
 .....C  
 Wolf Co., Fred. W. (Fil-  
 ter; Sugar Filtering)....  
 .....AAA  
**ILL.—Decatur**  
 Chambers - Bering - Quin-  
 lan Co. (Hay; Hand)...A  
**ILL.—De Kalb**  
 Haish Wire & Implement  
 Co. (Wine; Cider) .....B  
**ILL.—Galesburg**  
 Colton & Co., G. D. (Hay;  
 Broom Corn) .....C  
**ILL.—Moline**  
 Williams, White & Co.  
 (Drop; Riveting; Shear-  
 ing; Punching; Tire  
 Welding) .....AA

**PRESSES (Con.)**

**ILL.—Ottawa**  
Porter Co., J. E. (Hand; Power) .....A  
**ILL.—Quincy**  
Adams Tobacco Press Co. (Tobacco; Plug Tobacco) .....D  
Collins Plow Co. (Baling; Hay; Straw) .....A  
Ertel Co., Geo. (Baling; Cotton; Hay; Moss; Wool) .....A  
**ILL.—Rockford**  
Barnes Co., B. F. (Screw; Drill) .....B  
**ILL.—Sandwich**  
Sandwich Mfg. Co. (Hay) .....AA  
**IND.—Anderson**  
Wooley Foundry & Mach. Wks. (Drop; Power) ...B  
**IND.—Aurora**  
Stedman Foundry & Mach. Wks. (Cotton) .....B  
**IND.—Cambridge City**  
Bretsch & Co. (Geared Punch, etc.; Power) ...D  
**IND.—East Chicago**  
Famous Mfg. Co. (Card Board; Metal Scrap; Cotton; Cotton Seed Hull; Baling; Hay; Paper Scrap; Shaving; Tin Scrap; Hop) .....A  
**IND.—Evansville**  
Grote Mfg. Co. (Tobacco) .....D  
**IND.—Goshen**  
Thomas - Albright Co. (Wine; Cider; Hydraulic; Rasing) .....B  
**IND.—Indianapolis**  
Over, Ewald (Cider; Wine) .....C  
Potts & Co., C. & A. (Inc.) (Brick) .....B  
**IND.—Kendallville**  
Flint & Walling Mfg. Co. (Baling) .....AA  
Rumley Co., M. (Baling) ..AAA  
**IND.—Richmond**  
Robinson & Co. (Baling; Hay; Straw) .....AA  
**IOWA.—Burlington**  
Murray Iron Wks. Co. (Lard; Tallow) .....A  
**IOWA.—Davenport**  
Davenport Foundry & Mach. Co. (Hydraulic) .....X  
**IOWA.—Ottumwa**  
Dain Mfg. Co. (Hay) ..AA  
**IOWA.—Spencer**  
Maurer Co., F. X. (Cotton) .....F  
**KANS.—Fort Scott**  
Fort Scott Foundry & Mach. Co. (Filter; Sugar Filtering) .....H  
**KANS.—Leavenworth**  
Great Western Mfg. Co. (Plaster) .....AA  
**KY.—Louisville**  
Turney Dryer Co., Columbia Bldg. (Filter) .....X  
**LA.—Amite City**  
Gullett Gin Co. (Cotton; Cotton Seed Hull).....A  
**LA.—New Orleans**  
Coleman, H. Dudley (Hydraulic) .....D  
Whitney Iron Wks. Co., 361 Tchoupitoulas (Filter) .....AA  
**MAINE.—Portland**  
Lang Co., E. M. (Screw; Punching; Cutting; Can) .....C  
Portland Co. (Hydraulic) ..AA  
**MD.—Baltimore**  
Adt, John B. (Plug Tobacco) .....A  
Dorman Co., J. F. W. (Job Printing) .....F  
Sinclair-Scott Co. (Cotton; Baling; Hay; Rag; Fruit) .....E  
**MASS.—Athol**  
Athol Machine Co. (Domestic; Fruit; Meat) .....B

**PRESSES (Con.)**

**MASS.—Boston**  
Ames Plow Co. (Cider; Wine; Lard) .....AAAA  
Bartlett, E. E. (Arbor) ..E  
Beaudry & Co., 8 Oliver (Power; Forging) .....D  
Boston Printing Press Mfg. Co., 176 Federal (Embossing; Half Tone; Wood Printing) .....X  
Child Acme Cutter & Press Co. (Cylinder Printing) ..X  
Empire Laundry Machinery Co. (Power; Shirt) .....C  
Golding & Co. (Card Printing; Job Printing; Foot Power Job; Pad; Proof; Tablet) .....B  
Hersey Mfg. Co. (Foot; Hand; Power; Sugar) ..AA  
Holmes Mach. Co., Chas. (Tan) .....D  
McLauthlin Co., Geo. T., 120 Fulton (Hydraulic), A  
Marston & Co., J. M., 226 Ruggles (Arbor) .....D  
Mead, A. G., 564 Atlantic Av. (Stationers' Embossing) .....H  
Meisel Press & Mfg. Co. (Printing) .....C  
Seelye Mfg. Co., 110 Lincoln (Die) .....C  
**MASS.—Bridgewater**  
Continental Cotton Gin Co. (Cotton) .....AAAA  
**MASS.—Brookton**  
Sweetser, Wm. A. (Bench; Power) .....X  
**MASS.—Fitchburg**  
Fitchburg Machine Wks. (Drill) .....B  
Putnam Mach. Co. (Car Wheel) .....A  
**MASS.—Greenfield**  
Wells Bros. Co. (Blacksmiths' Drill) .....A  
Wiley & Russell Mfg. Co. (Punching) .....AA  
**MASS.—Holyoke**  
Holyoke Mach. Co. (Hydraulic; Rotary Steam Cloth) .....AA  
**MASS.—Hyde Park**  
Robinson Co., John T. (Paper Box Cutter) .....X  
**MASS.—Lowell**  
Dennis & Co., Jno. (Baling; Hay; Hydraulic for Hot Pressing; Screw for Hot Pressing) .....E  
Lowell Machine Shop (Hydraulic; Double Screw) ..AAAA  
**MASS.—New Bedford**  
Morse Twist Drill & Machine Co. (Blacksmiths' Drill) .....AAA  
**MASS.—Northampton**  
Herrick, Chas. E. (Cotton) .....D  
**MASS.—Salem**  
Martin, Wm. F. (Tan) ..B  
**MASS.—Springfield**  
Smith Mfg. Co., R. H., 293 Main (Seal) .....C  
**MASS.—Taunton**  
Huber-Hodgman Printing Press Co. (Printing; Cylinder; Book Printing; Sheet Perfecting; Two Color; Zincographic) ...B  
New Process Twist Drill Co. (Blacksmiths' Drill) .....X  
**MASS.—Webster**  
Prescott & Son, J. B. (Blacksmiths' Drill) ...B  
**MASS.—Worcester**  
Boynnton & Plummer (Blacksmiths' Drill) ..B  
Cleveland Machine Wks. (Hydraulic) .....A  
Crompton & Knowles Loom Wks. (Screw) .....AAAA  
Curtis & Marble Machine Co. (Rotary Steam; Cloth) .....A  
Kidder, R. E., 2 Hermon (Copying; Envelope) ..E  
Luther & Co., B. G. (Box Shook) .....E

**PRESSES (Con.)**

Morgan Construction Co.  
(Hydraulic Forging) ...A  
Reed Co., Francis (Blacksmiths' Drill) .....E  
Whitcomb Mfg. Co. (Broaching; Copying; Shearing; Punching; Power) .....B  
**MICH.—Alpena**  
Kline, Lewis T. (Veneer) D

**MICH.—Battle Creek**  
Duplex Printing Press Co. (Book Printing; Newspaper; Stop Cylinder; Web Perfecting; Stereotypers') .....B  
**MICH.—Grand Rapids**  
Fox Machine Co., 127 N. Front (Arbor; Power; Veneer; Sheet Metal Stamping) .....A  
Wilmarth & Merman Co. (Arbor) .....C

**MICH.—Lansing**  
Lansing Wheelbarrow Co. (Wine; Cider) .....AAA  
**MICH.—Morenci**  
Michigan Brick & Tile Machine Co. (Brick) .....D  
**MICH.—Owosso**  
Castree & Son (Hay; Steel Case Hay) .....H  
**MICH.—Saginaw**  
Wickes Bros. (Hydraulic Flanging; Forging) .....AAA  
**MINN.—Minneapolis**  
Kinnard-Haines Co. (Leather; Wool) .....B

**MISS.—Corinth**  
Adams Mach. Co. (Cotton) AA  
**MISS.—Meridian**  
Southern Standard Press Co. (Cotton; Cotton Seed Hull) .....D  
**MO.—Carrollton**  
Farm Tool Mfg. Co. (Hay) .....B  
**MO.—Kansas City**  
Eagle Mfg. Co. (Hay) ...A  
Eclipse Hay Press Co. (Hay) .....D  
Kansas City Hay Press Co. (Baling; Hay) .....AA  
**MO.—St. Louis**  
Barnard Stamp Co. (Seal) E  
Gohlke, Theo., 12th & Locust (Power) .....X  
Handlan-Buck Mfg. Co., 212 N. 3rd (Car; Seal) ...AA  
Hiertz Metal Co., Theo. (Car Seal) .....D  
Kingsland Mfg. Co. (Steam Cotton; Cotton Seed Hull; Self Packing Cotton; Wool) .....B  
Pleuger & Henger Mfg. Co., 11th & Hebert (Blacksmiths' Drill) .....A  
Ross-Keller Triple Pressure Brick Machine Co. (Brick) .....D  
St. Louis Iron & Mach. Co. (Cotton; Brick) .....AA  
Swaine Co., F. J. (Bumping; Die; Drawing; Drop; Sheet Metal Embossing; Foot; Forming; Lever; Punching; Power; Arch. etc.; Screw; Sheet Metal Stamping; Wiring) ...B  
Whitman Agricultural Co. (Wine; Cider; Cotton Seed Hull; Baling; Hay) AA

Zelnicker Supply Co., Walter A. (Portable Hydraulic Wheel) .....X  
**N. H.—Dover**  
Kidder Press Co. (Ticket Printing; Tissue Paper Printing) .....A  
**N. H.—Keene**  
Humphrey Mach. Co. (Power; also Hand) ...C  
**N. H.—Nashua**  
Spence & Rideout (Hydraulic) .....D  
**N. J.—Bridgeton**  
Ferracute Machine Co. (Bench; Cartridge Mak-

**PRESSES (Con.)**

ing; Disc Notching; Drawing; Drop; Sheet Metal Embossing; Foot; Power; Riveting; Screw; Car Wheel; Punching; Cutting; Embossing; Coining) .....A  
**N. J.—Harrison**  
Greenfield, W. G. & G. (Screw) .....X  
**N. J.—Newark**  
Burroughs Co., Chas., 141 Commerce (Bicycle Saddles; Screw) .....X  
Crowell Mfg. Co., H. M. (Hydraulic Stamping) ..G  
Currier & Sons, Cyrus (Filter; Embossing) .....AA  
Gould & Eberhardt (Drawing; Drop; Foot; Hydraulic; Lever; Power; Screw; Toggle Joint; Bank Note) A

Ohl & Co., Geo. A. (Power; Drawing; Sheet; Metal; Ceiling; Cornice; Leather Embossing; Stamping) ..B  
Standard Machine Wks. (Filter; Foot; Hydraulic) .....X  
Traud Co., Alex., 28 Maine (Filter) .....A  
**N. J.—Plainfield**  
Pond's Machine Tool Co. (Hydraulic Wheel)AAAA  
Potter Printing Press Co. (Cylinder Printing) ...AA  
Scott & Co., Walter (Cylinder Printing; Book Printing; Lithographing; Newspaper; Web Perfecting) ..AA

**N. J.—Rahway**  
Gordon Press Wks (Job Printing; Foot Power Job Printing; Embossing) ...A  
**N. J.—Salem**  
Ayars Machine Co. (Foot, for Can Making; Power, for Can Making) .....B  
**N. J.—Smithville**  
Smith Mach. Co., H. B. (Veneer) .....A  
**N. Y.—Albany**  
Dedericks Sons, P. K. (Hay; Cotton; Cotton Seed Hull; Hydraulic; Baling; Cloth; Excelsior; Feed; Hair; Hemp; Hide; Hop; Moss; Rag; Straw; Wool) ...A  
**N. Y.—Auburn**  
Crane Foundry & Mach Wks., W. W. (Trimming) D

**N. Y.—Brooklyn**  
Adriance Mach. Wks., 254 Van Brunt (Drawing; Drop; Sheet Metal; Leather; Paper; Embossing; Wire; Paper; Power; Trimming) .....A  
Bliss Co., E. W. (Ltd.) (Auger; Bit Heading; Bench; Broaching; Die; Draw; Drop; Embossing; Foot; Forming; Lever; Perforating; Power; Screw; Shearing; Trimming; Wiring; Punching; Adjustable Incline; Pendulum; Toggle Joint; Double Crank; Cutting; Reducing; Stamping) AAAA

Guild & Garrison, Kent Av. & S. 10th (Filter) ...B  
Hibbard Mfg. Co., 79 Washington (Drawing; Drop; Embossing; Foot; Power; Screw; Trimming) .....C  
Houchin & Huber (Box Printing) .....D  
Jones, W. E., 14 Water (Embossing; Foot; Power) E

Leffler & Co., Chas., 63 Clymer (Sheet Metal; Drawing; Sheet Metal Drop; Toggle Lever; Sheet Metal Foot; Pendulum for Jewelry; Brass; Hardware; Wiring; Sheet

# **PRESSES (Con.)**

Metal Power in 10 Sizes) C

Merrill Bros., 465 Kent Av. (Trimming) .....A  
 Miller Co., W. P. (Cotton; Hay; Hemp; Hide; Rag) D  
 Robertson & Co., John (Hydraulic) .....AA  
 Simpson Foundry Co., 26 B'way (Filter; Foot; Power) .....C  
 Taylor & Co., 417 Driggs Av. (Hydraulic) .....D  
**N. Y.—Buffalo**  
 Ashbery, Henry C., 16 Seneca (Seal) .....G  
 Buffalo Forge Co. (Blacksmiths' Drill; Shearing) AAA  
 East Mfg. Co. (Raisin Seed Extracting) .....A  
 Holmes Machinery Co., E. & B. (Wood Printing) ..B  
 Howard Iron Wks. (Hydraulic for Leather; Bookbinders'; Hand; Lithographic; Embossing; Standing) ..A  
 Niagara Mach. & Tool Wks. (Bench; Bending; Die; Drop; Embossing; Foot; Forming; Lever; Perforating; Power; Riveting. Screw; Shearing; Trimming; Wiring) .....A  
 Noye Mfg. Co., John T. (Butchers' Offal) .....X  
 Oliver Mfg. Co., 1483 Niagara (Jewelers' Drop; Punching) .....C  
 Rogers & Co., S. C. (Bookbinders'; Embossing) ...C  
 Squier Mfg. Co., G. L. (Sugar Filter) .....AAA  
 Union Mfg. & Specialty Co. (Stamping) .....C  
**N. Y.—Gowanda**  
 Gowanda Agricultural Wks. Co. (Cheese) .....X  
**N. Y.—Grassy Point**  
 Wiles Co., A. M. & W. H. (Brick) .....B  
**N. Y.—Little Falls**  
 Burrell & Co., D. H. (Adjustable Continuous Pressure Gang Cheese; Hooks) AAAA  
**N. Y.—Lockport**  
 Trevor Mfg. Co. (Wood Pulp) .....B  
**N. Y.—Lyons**  
 Nagley Mfg. Co. (Tobacco) D  
**N. Y.—Medina**  
 Swett Iron Wks., A. L. (Steel Spindle; Blacksmith's Drill) .....A  
**N. Y.—Middletown**  
 Morgan & Wilcox Mfg. Co. (Printers' Proof) .....C  
**N. Y.—Newburg**  
 Coldwell-Wilcox Co. (Cotton) .....B  
**New York City**  
 Aluminum Press Co. (Rotary Printing) .....X  
 Amer. Type Founders' Co. (Foot Power Job) .AAAA  
 Babcock Printing Press Mfg. Co., 88 Park Row (Cylinder Printing; Book Printing; Lithographic; Pony Printing; Two Revolution) .....C  
 Behr & Co., Herman (Glassware; Moulds) .....AA  
 Bender & Sons, Ph. J., 87 Frankfort (Foot; Power; Screw) .....E  
 Campbell Printing Press & Mfg. Co., 1 Madison Av. (Printing Cylinder; Bag-Book-Box-Printing; Cylinder Job; Lithographic; Newspaper; Pony Printing; Two Color; Two Revolution) .....B  
 Cook, Thos. W. G., 4 Reade (Foot; Power; Screw; Trimming) .....F  
 Cornell Co., J. B. & J. M., 26th & 11th Av. (Cotton;

# **PRESSES (Con.)**

Filter; Screw; Hydraulic) AA

Cottrell & Sons Co., O. B. (Cylinder; Rotary Printing) .....AAA  
 Deeley & Co., Robert (Sugar) .....AA  
 Dudgeon, Richard, 24 Columbia (Car Wheel; Crank Pin; Hydraulic; Hydraulic Wheel) .....A  
 Fairbanks Co., 186 Elm (Copying) .....AAAA  
 Garvin Machine Co. (Foot; Power) .....AA  
 Hammacher, Schlemmer & Co., 209 B'way (Veneer) AAA  
 Hoe & Co., R., 504 Grand (Rotary Newspaper; Copying; Book Printing; Card Printing; Cylinder Printing; Job Printing; Lithographic; Newspaper; Lever Hand; Proof; Ticket Printing; Washington Hand; Web Perfecting) AAAA  
 Johnson & Co., Jno., 1 Franklin Sq. (Filter) ..D  
 Liberty Machine Co., 140 Nassau (Job Printing; Card Printing; Cylinder; Foot Power Job) .....E  
 Lovejoy Co. (Stereotypers') B  
 Loyd Co., Jno., 562 Water (Foot; Power; Screw) ..B  
 Morrill, Chas. (Seal) ....D  
 Ness, Geo. M., Jr. (Seal) ..A  
 Niles-Bement-Pond Co., 111 B'way (Arbor; Blacksmiths' Drill; Drop; Foot; Hydraulic Flanging; Trimming; Power; Hydraulic Forging; Filter; Screw; Hydraulic Wheel) AAAA  
 Pollard-Ailing Mfg. Co., 36 E. 20th (Printing) ....D  
 Russell & Erwin Mfg. Co. (Cork) .....AAAA  
 Sargent & Co. (Cork) ....AAAA  
 Sheridan Co., T. W. & C. B., 56 Duane (Bookbinders' Die; Signature; Cutting Power; Bookbinders' Blocking; Embossing; Smashing; Stamping; Envelope Cutting) .....A  
 Shriver & Co., Thos., 335 E. 56th (Copying; Cotton Seed Oil; Filter) .....A  
 Smith & Hemenway Co. (Seal) .....D  
 Staubach, Baldwin, 652 E. 12th (Wine; Cider; Linseed Oil; Hydraulic; Power; Screw; Toggle Joint; Baling; Hop Leather; Lard; Oil Tankage) .A  
 Stimpson & Son, Edwin B., 31 Spruce (Punching; Perforating Leather; Foot; Punching; Perforating Power; Screw; Hand) ..B  
 Turl's Sons, John (Sugar) D  
 Van Allens & Boughton, 59 Ann (Cylinder Printing) AA  
 Watson-Stillman Co., 210 E. 43rd (Bending; Broaching; Car Wheel; Crank Pin; Die; Drawing; Embossing; Gun Powder; Hydraulic; Forging; Power; Shearing; Chilling; Lead; Projectile; Punching; Steam Plate; Lead Pencil; Baling; Cylindrical Bale Cotton; Drug; Leather; Belting; Oil; Fish Oil; Coppersmith's; Electrotypes; Jewelers'; Paper; Wagon Wheel; Wire Cable Covering; Veneer) .A  
 Wesel Mfg. Co., F. (Proof; Stereotypers' Foot) ...X  
 Wood & Selick (Fruit) .A

**PRESSES (Con.)**

**N. Y.—Oswego**  
Oswego Tool Co. (Punch-  
ing; Hand Power) .....B

**N. Y.—Palmyra**  
Peerless Printing Press Co.  
(Printing) .....C

**N. Y.—Pearl River**  
Braunsdorf, John H. (Job  
Printing) .....C

**N. Y.—Rochester**  
Erdle & Schenck (Foot;  
Power) .....B

Schaffer Mfg. Co., J. T.  
(Arbor; Hydraulic Car  
Wheel; Crank Pin; Hy-  
draulic Wheel; Platen).D

Streeter & Co., N. R.  
(Fruit) .....A

Yawman & Erbe Mfg. Co.  
(Copying) .....AA

**N. Y.—Seneca Falls**  
Seneca Falls Mfg. Co.  
(Arbor) .....B

**N. Y.—Syracuse**  
Boomer & Boschert Press  
Co. (Baling; Hay; Cheese;  
Wine; Cider; Cotton; Cot-  
ton Seed Oil; Filter; Hy-  
draulic; Knuckle; Lin-  
seed Oil; Power Screw;  
Veneer; Wood Pulp;  
Cloth; Feed; Fertilizer;  
Hair; Herb; Knuckle  
Joint; Hide; Hop; Leath-  
er; Leather Belting; Pa-  
per Stock; Rag; Tobacco;  
Wool; Fruit; Lard; Oil;  
Hydraulic Oil; Oleomar-  
gerine; Paraffine Wax;  
Power Screw; Tallow;  
Tincture; Standing; Par-  
affine Oil; Chocolate;  
Tankage; Paper; Vulcan-  
izing) .....A

**N. Y.—Troy**  
Troy Laundry Machinery  
Co. (Ltd.) (Power; Shirt)  
AA

**N. Y.—Utica**  
Utica Drop Forge & Tool  
Co. (Seal) .....B

**N. Y.—Waterville**  
Waterville Foundry Mfg.  
Co. (Baling) .....F

**N. C.—Charlotte**  
Liddell Co. (Inc.) (Cotton;  
Cotton Seed Hull) .....A

Mecklenburg Iron Wks.  
(Cotton) .....X

**OHIO—Akron**  
Akron Foundry Co. (Hy-  
draulic) .....B

Taplin, Rice & Co.  
(Sewer Pipe) .....B

Webster, Camp & Lane Ma-  
chine Co. (Sewer Pipe)..  
AAAA

**OHIO—Alliance**  
Alliance Mach. Co. (Bend-  
ing; Crank Pin; Forming;  
Riveting; Shearing; Hy-  
draulic Flanging; Forg-  
ing; Armature Forging;  
Punching; Rail Straight-  
ening) .....AA

Morgan Engineering Co.  
(Hydraulic Flanging;  
Forging) .....AAAA

**OHIO—Bucyrus**  
Amer. Clay Working Ma-  
chine Co. (Brick; Sewer  
Pipe) .....X

**OHIO—Cambridge**  
Crescent Seal & Stamp Co.  
(Seal) .....H

**OHIO—Canton**  
Bonnot Co. (Filter) .....A

**OHIO—Cincinnati**  
Amer. Laundry Machinery  
Co. (Power; Shirt) ...AA

Andrew & Co., M. L., 118  
W. 2nd (Compo Molding)  
C

Blymyer Iron Wks. Co.  
(Filter) .....B

Cincinnati Punch & Shear  
Co. (Punching; Trim-  
ming) .....D

Day & Co. (Tincture) ...A

Francis & Bro., Chas. E.,  
425 E. 8th (Veneer) ...B

Keene & Co., Geo. C., 502

**PRESSES (Con.)**

E. Front (Drop; Screw)  
F

Laidlow-Dunn-Gordon Co.  
(Hydraulic; Plug To-  
bacco) .....AAAA

Lodge & Shipley Mach. Tool  
Co. (Punching) .....AA

McGowan Co., John H. (Hy-  
draulic; Tobacco; Plug  
Tobacco) .....A

Murdock, Jr., Co., Jas., 116  
Longworth (Seal) .....O

Randall & Co. (Harness) ..B

Robinson Mfg. Co., J. M.,  
2nd & Central Av. (Drop;  
Power; Screw; Hand) ...C

Schriver & Co., O. P.  
(Wine; Cider) .....B

Tatum Co., Samuel C., 414  
W. Water (Copying) ..B

Towsley Mfg. Co., John T.,  
Evans, near Gest (Veneer)  
B

**OHIO—Cleveland**  
Avery Stamping Co. (Draw-  
ing; Forging; Punching;  
Trimming) .....B

Cady Mach. Co. (Power) ..X

Chandler & Price Co., 82  
E. Prospect (Lever; Job  
Printing; Proof) .....A

Cleveland Punch & Shear  
Wks., 152 Case Av. (Hy-  
draulic; Power) .....A

Cleveland Stamping & Tool  
Co. (Power; Blanking  
Stamping) .....A

Cott, C. M. (Pad) .....X

Dyer & Co., E. H., New  
England Bldg. (Filter) ..  
AAA

Fanner Mfg. Co. (Fruit;  
Meat; Vegetable) .....A

Globe Machine & Stamping  
Co. (Screw) .....O

Standard Tool Co. (Black-  
smiths' Drill) .....AA

Standish Mach. & Supply  
Co., 120 W. Spring  
(Screw) .....D

Strong, Carlisle & Ham-  
mond Co., 61 Frankfort  
(Power) .....A

**OHIO—Cuyahoga Falls**  
Turner, Vaughan & Taylor  
Co. (Brick) .....B

**OHIO—Dayton**  
Buckeye Iron & Brass Wks.  
(Peanut Oil) .....AA

Seybold Machine Co. (Die;  
Signature; Standing) ...A

**OHIO—Defiance**  
Defiance Mach. Wks. (Hy-  
draulic Hub; Flange; Hy-  
draulic Wheel) .....A

**OHIO—Galion**  
Freeze & Co., E. M.  
(Sewer Pipe) .....A

**OHIO—Hamilton**  
Advance Mfg. Co. (Cider)  
X

Long & Allstatter (Drop;  
Punching) .....AA

Niles Tool Wks. Co. (Hy-  
draulic Wheel; Hydraul-  
ic) .....AAAA

**OHIO—Lancaster**  
Eagle Machine Co.  
(Wine; Cider) .....A

Hocking Valley Mfg. Co.  
(Wine; Cider; Lard) ..A

**OHIO—Mount Gilead**  
Hydraulic Press Mfg. Co.  
(Wine; Cider; Cotton;  
Embossing; Filter; Hy-  
draulic; Hydraulic Rub-  
ber Vulcanizing; Linseed  
Oil; Power; Lard; To-  
bacco; Veneer) .....A

**OHIO—New London**  
Arnold-Creager Co.  
(Brick) .....B

**OHIO—Norwood**  
Cincinnati Tool Co. (Black-  
smiths' Drill) .....B

**OHIO—Ripley**  
Phoenix Foundry & Mfg. Co.  
(Tobacco) .....X

**OHIO—Salem**  
Silver Mfg. Co. (Black-  
smiths' Drill; Lard; Man-  
dioca; Tallow) .....AA



# **PRESSES (Con.)**

**OHIO—Sandusky**  
Klotz Mach. Co. (Geared Wine; Cider) .....O

**OHIO—Springfield**  
Foos Mfg. Co. (Blacksmiths' Drill) .....A  
Mast & Co., P. P. (Wine; Cider; Lard) .....AAAA  
Springfield Mach. Tool Co. (Bench; Power) .....A

**OHIO—Tiffin**  
National Machinery Co. (Punching; Shearing).AA

**OHIO—Toledo**  
Baker Bros. (Drill) .....A  
Toledo Mach. & Tool Co. (Drop; Foot; Embossing; Power; Riveting; Power Trimming; Wiring; Bicycle Chain; Horning; Cutting; Stamping; Automatic Feed; Power) .....A

**OHIO—Warren**  
Denison Mfg. Co. (Raisin Seed Extracting) .....F

**OHIO—Wellsville**  
Stevenson Co. (Sewer Pipe) .....B

**OHIO—Youngstown**  
Sennett Co., Geo. B. (Forging; Hydraulic; Power).B

**PA.—Allentown**  
Allentown Foundry & Mach. Wks. Co. (Hydraulic)...A  
Grammes & Sons, L. F. (Gold; Wood Embossing; Gilding; Stamping; Wood Printing; Box Board Printing) .....A

**PA.—Avonmore**  
West Penn Foundry & Mach. Co. (Hydraulic).X

**PA.—Bloomsburg**  
Richards Mfg. Co. (Drawing; Power) .....B

**PA.—Bradford**  
Caldwell & Co., E. R. (Hydraulic Car Wheel) ....B

**PA.—Carbondale**  
Carbondale Mach. Co. (Filter; Hydraulic) .....AA  
Hendrick Mfg. Co. (Ltd.) (Filter; Hydraulic)...AA

**PA.—Chambersburg**  
Chambersburg Engineering Co. (Hydraulic Flanging) .....A

**PA.—Chester**  
Vulcan Works (Steam; Hydraulic Cotton) .....B

**PA.—Harrisburg**  
Hickok Mfg. Co., W. O. (Drawing; Embossing; Power; Bookbinders; Toggle Joint; Lard; Tincture; Wine; Bookbinders' Blocks; Signature; Smashing; Stamping; Standing) .....AA

**PA.—Lancaster**  
Champ Blower & Forge Co. (Blacksmiths' Drill)...AA

**PA.—Mechanicsburg**  
Comstock, Geo. S. (Wine; Cider) .....C

**PA.—Media**  
Wood, W. H. (Hydraulic) .....D

**PA.—Philadelphia**  
Barnes & Erb Co. (Shirt Bosom) .....A  
Bement, Niles & Co. (Hydrostatic Wheel; Drill; Hydraulic Baling).AAAA  
Chambers Bros. Co. (Embossing; Stamping) ...AA  
Enterprise Mfg. Co., 3rd & Dauphin (Raisin Seed Extracting; Wine; Cider; Cork; Tincture; Drug-gists; Fruit; Lard; Domestic) .....AAAA  
Hill Mfg. Co., B. B., 1020 New Market (Copying; Seal) .....B  
Horn & Bros., Wm. H. (Tan) .....B  
Johnson, Jr., & Co., Israel H. (Arbor; Drop; Foot; Screw) .....A  
Kueny, Nicholas M. (Brick) .....X

# **PRESSES (Con.)**

Morris, Henry G. (Filter) .....B

Nazel Mach. Tool Wks., 1042 Ridge Av. (Lock Corner Die for Paste Board Folding Box Mchry.; Scorching) ....B  
Nittinger, August (Lard; Tallow) .....A  
Olsen, Tinius & Co., 500 N. 12th (Car Wheel; Crank Pin; Foot; Hydraulic; Power; Stamping; Hydrostatic Wheel) .....A  
Penna. Iron Wks. Co., 51st & Lancaster Av. (Hydraulic; Special to order only) .....AAA

Phila. Novelty Mfg. Co. (Copying) .....D  
Phila. Roll & Machry. Co., S. 23rd & Washington Av. (Hydraulic Forging; Hydraulic Wheel) .....A  
Reid Creamery & Dairy Supply Co., 33rd & Market (Cheese) .....A  
Riehle Bros. Testing Mach. Co., 1429 N. 9th (Hydraulic; Screw) ....B  
Sellers & Co., Wm. (Inc.), 1800 Hamilton (Hydraulic Wheel Hydrostatic Wheel; Forging; Hand; Gun; Cotton) .....AAAA  
Wood & Co., R. D., 400 Chestnut (Forging; Hydraulic) .....AAAA

**PA.—Pittsburg**  
Fischer Foundry & Machine Co. (Tile; Hydraulic).AA  
Lewis Foundry & Machine Co. (Hydraulic) .....A  
Phillips & McLaren (Brick) .....R

Sealfe & Sons Co., Wm. B., 221 1st (Filter) ....AAA  
Somerfield Mach. & Mfg. Co., 224 3rd Av. (Glass) .....B

United Engineering & Foundry Co. (Hydraulic) ....AAAA

**PA.—Reading**  
Reading Iron Co. (Cotton) .....AAAA

**PA.—So. Bethlehem**  
Bethlehem Foundry & Mach. Co. (Power; Hydraulic; Punching; Trimming) ..O  
Bethlehem Steel Co. (Heavy Hydraulic; Flanging; Forging) .....AAAA

**PA.—West Chester**  
Dairy Specialty Co. (Cheese) ....F

**PA.—York**  
Farquhar Co., A. B. (Wine; Cider; Baling; Hay)...AAA

Hench & Drumgold Co. (Wine; Cider) .....B  
Keystone Farm Mach. Co. (Wine; Cider) .....B

**R. I.—Hope Valley**  
Nichols & Langworthy Mach. Co. (Printing) ...AA

**R. I.—Pawtucket**  
Bliss Mfg. Co., R. (Punching; Trimming) .....AAAA  
Pawtucket Mfg. Co. (Trimming) .....A

**R. I.—Providence**  
Builders Iron Foundry (Hydraulic) .....AA  
Standard Machinery Co. (Blanking; Broaching; Drawing; Foot; Forging; Power; Punching; Trimming; Screw; Stamping) .....B

**R. I.—Westerly**  
Cottrell & Sons Co., C. B. (Printing; Cylinder; Bag; Book Printing; Job; Lithographic; Newspaper; Rotary Printing; Stop Cylinder; Two Color; Two Revolutions) .....AAA

**R. I.—Woonsocket**  
Woonsocket Mach. & Press

**PRESSES (Con.)**

Co. (Drawing; Lever; Cloth; Rotary Steam; Cloth) .....AA  
**S. C.—Charleston**  
 Valk & Murdoch Iron Wks. (Cotton; Cotton Seed Hull) .....B  
**S. C.—Cheraw**  
 Cheraw Hardware Supply Co. (Cotton) .....F  
**TENN.—Chattanooga**  
 Chattanooga Impl. & Mfg. Co. (Hay) .....B  
 Copeland, Henry (Hay; Cotton; Cotton Seed Hull) ..G  
**TENN.—Jackson**  
 Southern Engine & Boiler Wks. (Cotton) .....AA  
**TENN.—Memphis**  
 Chickasaw Iron Wks. (Cotton) .....A  
 Livermore Foundry & Mach. Co. (Cotton) .....A  
**TEXAS.—Dallas**  
 Murray Co. (Cotton; Cotton Seed Hull) .....C  
**TEXAS.—San Antonio**  
 Collins Mfg. Co., F. F. (Hay) .....B  
**VT.—Bellows Falls**  
 Vermont Farm Machinery Co. (Cheese) .....C  
**VT.—Bennington**  
 Scott, Olin (Wood Pulp) ..A  
 Sibley, E. L. (Eyelet) ...D  
**VT.—Rutland**  
 Stoddard Mfg. Co. (Cheese) B  
**VA.—Danville**  
 Westbrook Foundry & Machine Co. (Hydraulic ..F  
**VA.—Norfolk**  
 Whitehurst Co., R. W. (Wine; Cider; Cotton; Cotton Seed Hull; Baling; Hay; Hay Hand; Fruit) B  
**VA.—Petersburg**  
 Petersburg Iron Wks. Co. (Hydraulic) .....D  
**VA.—Richmond**  
 Cardwell Mach. Co. (Cotton; Cotton Seed Hull; Hydraulic; Foot; Baling; Broom Corn; Hair; Hydraulic Baling; Wool; Plug Tobacco) .....A  
 Talbott & Sons (Tobacco) X  
**WIS.—Janesville**  
 New Doty Mfg. Co. (Power; Screw; Shearing; Punching; Trimming) .....D  
**WIS.—Milwaukee**  
 Allis-Chalmers Co. (Filter) AAAA  
 Filler & Stowell Co. (Hydraulic Wheel) .....AAA  
**WIS.—Racine**  
 Racine Malleable & Wrought Iron Co. (Copying) .....A  
**WIS.—Seymour**  
 Dean Mfg. Co. (Cheese) ..D

**PRINTS**

See Cotton Goods

**PRICKERS**

**CONN.—Bridgeport**  
 Knapp & Cowles Mfg. Co. (Sailmakers') .....C

**PRIMERS**

**CONN.—Bridgeport**  
 Union Mercantile Cartridge Co. (Friction; Cartridge) AAA  
**CONN.—Waterbury**  
 Waterbury Brass Co. (Friction; Cartridge) ..AAAA  
**New York City**  
 Metallic Cap Mfg. Co., 271 B'way (Blasting) .....A  
**OHIO.—Cincinnati**  
 Peters' Cartridge Co. (Metallic Cartridge) ..AAAA

**PRISMS**

**ILL.—Chicago**  
 American Luxfer Prism Co., 348 Wabash Av. ....D  
**New York City**  
 New York Prism Co., 478 W. B'way .....E

**PRISONS**

**OHIO.—Cleveland**  
 Van Dorn Iron Wks. Co. (Steelwork) .....AA

**PRODUCERS**

**MASS.—Worcester**  
 Morgan Construction Co. (Gas) .....A  
**OHIO.—Cleveland**  
 Wellman-Seaver-Morgan Co. (Gas) .....AAAA  
**OHIO.—Youngstown**  
 Pollock Co., Wm. B. (Gas) .....AA  
**PA.—Philadelphia**  
 Herriek, J. A. (Gas) ....D  
 Philadelphia Roll & Machine Co. (Gas) .....A  
 Wood Co., R. D. (Gas) ...AA'AA  
**PA.—Pittsburg**  
 Amer. Furnace & Machine Co. (Gas) .....D  
 Amsler Engineering Co. (Gas) .....D  
 Duff Patents Co. (Gas) ...A  
 Laughlin & Co., Alex. (Gas) .....B  
 McClure, Son & Co., G. W. (Gas) .....D  
 Riter-Conley Mfg. Co. (Gas) AAA  
 Smythe Co., S. R. (Gas) ..B  
 Swindell & Bro., Wm. (Gas) .....B  
**PA.—York**  
 Broomell, Schmidt & Steacy Co. (Gas) .....A

**PRODUCTS**

**ILL.—Rock Island**  
 Lewis Roofing Co. (Coal Tar) .....B  
**MD.—Baltimore**  
 Baltimore Roofing & Coal Tar Co., 1211 Leadenhall (Coal Tar) .....F  
 Foy & Co., Edw. L., 16 W. Camden (Coal Tar) ....D  
 Noble & Co., H., 18 S. Gay (Coal Tar) .....X  
**MASS.—Boston**  
 Cabot, Samuel, 70 Kilby (Coal Tar) .....A  
 Warren Bros. Co., 93 Federal (Coal Tar) .....AA  
**MASS.—Malden**  
 Huggins & Son, Jas. (Coal Tar) .....E  
**MICH.—Detroit**  
 Parke, Davis & Co. (Beef; Biological) .....AAAA  
**N. J.—Elizabeth**  
 Rankin Co., Wm. H. (Coal Tar) .....AA  
**N. Y.—Buffalo**  
 Schoellkopf, Hartford & Hanna Co. (Coal Tar) AAA  
**New York City**  
 Mathewson & Co., Wm. J. (Coal Tar) .....A  
**OHIO.—Cleveland**  
 Monitor Oil Co. (Coal Tar) C  
**PA.—Erie**  
 Watson Co., H. F. (Coal Tar) .....AAA  
**PA.—Philadelphia**  
 Ammonia Co. of Phila. (Ammonia) .....A  
 Barrett Mfg. Co., Land Title Bldg. (Coal Tar) AAAA  
 Garrett & Son Co., C. S., 21 Decatur (Coal Tar) ...AA  
**PA.—Pittsburg**  
 McClintock & Irvine Co. (Coal Tar) .....B  
**TENN.—Nashville**  
 Nashville Chemical Co., 919 N. Front (Coal Tar) ...D

**PRODUCTS (Con.)**  
**VA.—Richmond**  
 Armitage Mfg. Co., 3209  
 Williamsburg Av. (Coal  
 Tar) .....B

## PROJECTILES

**CONN.—Bridgeport**  
 Amer. & British Mfg. Co.  
 (Steel) .....AAA  
**MD.—Cumberland**  
 Cumberland Steel Co. ....A  
**N. J.—Highbridge**  
 Taylor Iron & Steel Co.  
 (Steel) .....AAAA  
**N. Y.—Brooklyn**  
 Bliss Co., E. W., 17 Adams  
 (Steel) .....AAAA  
**N. Y.—Elmira**  
 Payne Co. (Inc.) .....X  
 New York City  
 Johnson & Co., Isaac  
 (Steel) .....A  
**PA.—Demmler**  
 Firth-Sterling Steel Co.  
 (Steel) .....AAA  
**PA.—Philadelphia**  
 Midvale Steel Co. (Steel)  
 ....AAAA  
**PA.—Pittsburg**  
 Firth-Sterling Steel Co. ....AAA  
 National Tube Co. ....AAAA  
**PA.—Reading**  
 Carpenter Steel Co. (Steel)  
 .....B  
**WIS.—Milwaukee**  
 Pressed Steel Tank Co.  
 (Seamless Steel Shells) B

## PROJECTO-SCOPES

**New York City**  
 Edison Phonograph Agency  
 .....D  
**McAllister, T. H., 49**  
 Nassau .....B  
**National Phonograph Co.,**  
 83 Chambers .....AAAA

## PROPELLERS

**New York City**  
 Crandell Carriage Co. (Girls'  
 Velocipede) .....X  
**OHIO—Cincinnati**  
 Triumph Ice Machine Co.,  
 610 Baymiller (Brine  
 Tank) .....A  
**WIS.—La Crosse**  
 Benton & Son, Thos. C.  
 (Reversible) .....B

## PROPS

See also Hardware; Carriage

**CONN.—Mount Carmel**  
 Woodruff & Sons, Walter W.  
 (Carriage) .....A  
**CONN.—New Haven**  
 Cowles & Co., C. (Carriage)  
 .....A  
**English & Mersick Co.**  
 (Carriage) .....B  
**IND.—Indianapolis**  
 Udell Works (Clothes Line)  
 .....A  
**KY.—Newport**  
 Higgin Mfg. Co. (Carriage)  
 .....A  
**N. J.—Newark**  
 Searles Mfg. Co. (Carriage)  
 .....B  
**N. Y.—Binghamton**  
 Crandal, Stone & Co. (Car-  
 riage) .....A  
**OHIO—Cincinnati**  
 Monarch Carriage Goods  
 Co. (Carriage) .....B  
**PA.—Unamis**  
 Droney Lumber Co. (Pit  
 Lumber) .....A

## PROTECTORS

**CONN.—Bridgeport**  
 Canfield Co., H. O. (Set  
 Screw) .....B

**PROTECTORS (Con.)**  
**CONN.—Hartford**  
 Wiley & Son Co., Wm. H.  
 (Stocking) .....A  
**CONN.—New Britain**  
 Brady, T. H. (Arc Lamp) B  
**CONN.—New Haven**  
 Hoggson & Pettis Mfg. Co.  
 (Check) .....A  
**DEL.—Wilmington**  
 Diamond State Steel Co.  
 (Pole) .....X  
**ILL.—Chicago**  
 Adams & Westlake Co.,  
 Ontario & N. Franklin  
 (Arc Lamp) .....AAAA  
 Amer. Electric Fuse Co., 50  
 W. Jackson Boul. (Tele-  
 phone) .....A  
 Amer. Reflector & Lighting  
 Co., 271 Franklin (Arc  
 Lamp) .....D  
 Bauer & Black (Chest) ...A  
 Chicago Sporting Goods Mfg.  
 Co., 126 S. Jeff. (Catchers'  
 Body) .....B  
 Cook, F. B., 244 W. Lake  
 (Telephone) .....B  
 Cutter Co., Geo., Union &  
 Fulton (Arc Lamp) ....C  
 Dietzgen Co., Eugene, 181  
 Monroe (Engineers') ...A  
 Harvard Electric Co., 224 S.  
 Clinton (Telephone) ....D  
**ILL.—Chillicothe**  
 Kahn & Co., M. W. (Sleeve)  
 .....B

**IND.—Fort Wayne**  
 Fort Wayne Electric Wks.  
 (Inc.) (Arc Lamp) AAAA  
**MD.—Baltimore**  
 Dorman Co., J. F. W.  
 (Check) .....F  
**MASS.—Boston**  
 Bernstein Electrical Mfg.  
 Co., 286 Roxbury (Series  
 Incandescent Lamp) ...B  
 New England Novelty Mfg.  
 Co. (Sleeve) .....H  
 Wheeler Reflector Co., 156  
 Pearl (Arc Lamp) .....C  
 Whitcher & Co., Frank W.  
 (Heel) .....A  
**MASS.—So. Framingham**  
 Meserve, F. W. (Arc Lamp)  
 .....G

**MASS.—Springfield**  
 Bigelow-Cheney Wire Wks.  
 (Wire, Counter) .....A  
 Smith Mfg. Co., R. H.  
 (Check) .....C  
**MICH.—Detroit**  
 Acme Fancy Wire Wks.  
 (Electric Globe) .....D  
 Anderson & Sons, W. H.  
 (Pole) .....C  
**MICH.—Dowagiac**  
 Farr, Willis M. (Vehicle  
 Axle) .....C  
**MO.—St. Louis**  
 Central Telephone & Elec.  
 Co., 909 Market (Tele-  
 phone) .....D  
**N. J.—Jersey City**  
 Dixon Crucible Co., Joseph  
 (Pencil Point) .....AAA  
**N. J.—Newark**  
 Tea Tray Co., 408 Mulberry  
 (Arc Lamp) .....AA  
**N. Y.—Buffalo**  
 Amer. Buffalo Robe Co.  
 (Chest) .....A  
**New York City**  
 Cary Mfg. Co. (Package) B  
 Faber, Eberhard (Pencil  
 Point) .....AAA  
 Richards & Co., E. Ira  
 (Watch) .....AAA  
 Wesley Mfg. Co. (Check) X  
**N. Y.—Schenectady**  
 General Electric Co. (Arc  
 Lamp) .....AAAA  
**N. Y.—Syracuse**  
 Cornwall Co., R. M. (Arc  
 Lamp) .....D  
**OHIO—Dayton**  
 Fletcher Mfg. Co. (Arc  
 Lamp) .....D  
**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred J.  
 (Wire, Counter) .....B  
**PA.—Philadelphia**  
 Hill Mfg. Co., B. B.

**PROTECTOR (Con.)**  
 (Check) .....B  
 Klemm & Co., 123 N. 5th  
 (Arc Lamp) .....C  
 Loeb, Lipper & Co. (Brush  
 Edge Skirt) .....A  
 Seeley, Isaac B. (Kidney) F  
**PA.—Pittsburg**  
 Oliver Iron & Steel Co.  
 (Pole) .....AAAA  
 R. I.—Pawtucket  
 Fuller & Son Co., Geo. H.  
 (Watch) .....A  
 R. I.—Providence  
 D. & W. Fuse Co. (Tele-  
 phone) .....B

## PROTRACTORS

**MASS.—Athol**  
 Athol Machine Co. (Bevel) B  
 Starrett Co., L. S. (Bevel;  
 Draughtman's Universal  
 Bevel, etc.) .....A  
**MASS.—Chicopee Falls**  
 Stevens Arms & Tool Co., J.  
 (Bevel) .....AAA  
**MASS.—Fitchburg**  
 Sawyer Tool Mfg. Co. ...C  
**MASS.—Greenfield**  
 Massachusetts Tool Co. ...C  
**New York City**  
 Keuffel & Esser Co., 127  
 Fulton .....AA  
**PA.—Philadelphia**  
 Altenecker & Sons, Theo.  
 (Bevel) .....D  
 R. I.—Providence  
 Brown & Sharpe Mfg. Co.  
 AAAA

## PROVERS

**New York City**  
 Amer. Meter Co., 561 W.  
 47th (Metal) .....B  
**PA.—Philadelphia**  
 Harris Bros. & Co., 12th &  
 Brown (Metal) .....F

## PRUNERS

**CONN.—Hamden**  
 Henry Mfg. Co., J. T.  
 (Tree) .....E  
**MICH.—Jackson**  
 Novelty Mfg. Co. ....A  
**New York City**  
 Peck, Stow & Wilcox Co.  
 AAAA  
**N. Y.—Rochester**  
 Elchelman, C. W. (Tree) F  
**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred. J. B

## PRUNES

**CAL.—Fresno**  
 Castle Bros. (Br. San Fran.)  
 AA  
 Griffin & Skelley Co. (Br.  
 San Fran) .....A  
**CAL.—Geyserville**  
 Walden & Co. ....A  
**CAL.—Gilroy**  
 Prune City Pack. Co. AAA  
**CAL.—Los Gatos**  
 Rogers, Noah G. ....B  
**CAL.—San Francisco**  
 Castle Bros., 463 Mission AA  
 Griffin & Skelley Co., 182  
 Mkt. ....A  
 Rosenberg Bros. & Co., 211  
 Calif. ....A  
**CAL.—San Jose**  
 Castle Bros. ....AA  
 Griffin & Skelley Co. (Br.  
 San Fran.) .....A  
**CAL.—Visalia**  
 Downing, Ohas. ....C  
**New York City**  
 Hartwig & Bennett, 61 N.  
 Moore .....A  
 Higgins & Co., Wm. A., 374  
 Washn. (Dried) .....C  
**OREGON—Portland**  
 Lanz & Co. (Ship.) ....AA  
**WASH.—Spokane**  
 Shinn & Co., H. J. ....A

## PUBLISHERS

**CAL.—San Francisco**  
 Payot, Upham & Co. (Belles-  
 Lettres) .....A

**PUBLISHERS (Con.)**  
**D. C.—Washington**  
 Ellis & Co., Jno. F. (Musical)  
 .....A  
**ILL.—Chicago**  
 Conkey Co., W. B. (Belles-  
 Lettres) .....AAA  
 Hazlitt & Co., Geo. K.  
 (Technical) .....D  
 Law Publishing Co. (Legal)  
 F  
 Lyon & Healy (Musical)  
 AAAA  
 McClury & Co., A. C.  
 (Belles-Lettres; School)  
 AAA

**MASS.—Boston**  
 Estes, Dana & Co. (Art;  
 Belles-Lettres) .....AA  
 Glun & Co. (School) AAAA  
 Houghton, Mifflin & Co.  
 (Belles-Lettres; Legal;  
 Medical; School; Techni-  
 cal) .....AAA  
 Little, Brown & Co.  
 (Legal) .....AA  
**N. J.—Paterson**  
 Royle & Son, Jno. (Guide) A  
**N. Y.—Albany**  
 Banks & Co. (Legal) ....A  
**New York City**  
 American Bible Society  
 (Religious Publications)  
 AAA  
 American Tract Society  
 (Religious Publications)  
 AAA  
 Appleton & Co., D. (Art;  
 Belles-Lettres; Medical;  
 School; Technical) .....B  
 Baker, Voorhis & Co.  
 (Legal) .....A  
 Benziger Bros. (Religious  
 Publications) .....A  
 Boericke & Tafel (Medical)  
 F  
 Christian Press Ass'n Pub-  
 lishing Co. (Religious  
 Publications) .....C  
 Comstock, Wm. T. (Architectural)  
 .....F  
 Davidson Publishing Co.  
 (Textile) .....D  
 Dillingham Co., Geo. W.  
 (Belles-Lettres) .....B  
 Ditson & Co., C. H.  
 (Musical) .....B  
 Dodd, Mead & Co. (Belles-  
 Lettres) .....AA  
 Dutton & Co., E. P. (Belles-  
 Lettres; School) .....A  
 Fowler & Wells Co. (Belles-  
 Lettres) .....A  
 Funk & Wagnalls Co.  
 (Belles-Lettres) ....AAA  
 Harper & Bros. (Inc.)  
 (Belles-Lettres; Medical;  
 School; Scientific) .....B  
 Henley Pub. Co., Norman  
 W. (Scientific; Technical)  
 D  
 Holt & Co., Henry (Belles-  
 Lettres; School) .....AA  
 Methodist Book Concern  
 (Religious Publications)  
 AAAA  
 Munn & Co. (Inc.) (Scienti-  
 fic; Technical) .....A  
 Oil, Paint & Drug Pub. Co.  
 (Drug) .....B  
 Pond & Co., Wm. A. (Musical)  
 .....D  
 Pustet & Co., Fdk. (Religious  
 Publications) ....AA  
 Putnam's Sons (Inc.), G. P.  
 (Belles-Lettres; School)  
 AA  
 Schirmer, G. (Musical) ...B  
 Scribners' Sons, Chas. (Art;  
 Belles-Lettres Scientific;  
 Technical) .....AAA  
 Spencer Optical Co. (Scienti-  
 fic) .....C  
 Spon & Chamberlain (Techni-  
 cal) .....D  
 Thomas Publishing Co., 220  
 Bway. (Trade Directories)  
 A  
 Van Nostrand Co., D. (Scienti-  
 fic; Technical) .....A  
 Williams Co., David (Iron;  
 Steel) .....B  
 Wood & Co., Wm. (Medical)  
 AA

**PUBLISHERS (Con.)**

**OHIO**—Cincinnati  
Church Co., Jno. (Musical) AAAAA  
Clarke Co., Robt. (Legel), B  
**PA.**—Philadelphia  
Amer. Baptist Pub. Society  
(Religious Publications) AAAAA  
Baird & Co., Henry (Technical) .....A  
Lea Bros. & Co. (Medical; Scientific) .....AAA  
Lippincott Co., J. B. (Belles-Lettres; Historical; Medical; School; Scientific) AAA  
Trades Pub. Co. (Carpet; Upholstery) .....B

**PUDDING**

**DEL.**—Dover  
Richardson & Robbins  
(Plum) .....AAAA  
**DEL.**—Seaford  
Greenbaum Bros. (Plum) ..A  
**ILL.**—Chicago  
Libby, McNeill & Libby  
(Plum) .....AAAA  
**IND.**—Indianapolis  
Van Camp Pack Co. (Plum) AA  
**MD.**—Baltimore  
Fruit Pudding Co. (Plum) A  
**N. J.**—Jersey City  
Home Cocoa Nut Co. (Plum) X  
**N. J.**—Passaic  
Amer. Compr. Food Co.  
(Plum) .....C  
**N. Y.**—Buffalo  
Erie Preserving Co. (Plum) AAAAA  
New York City  
Burnham & Co., E. S.  
(Plum) .....B  
**N. Y.**—Rochester  
Curtice Bros. Co. (Plum) AA  
**PA.**—Philadelphia  
Atmore & Son (Plum) ....A

**PULLERS**

See also Maohy; Agr. Imps

**CONN.**—Bridgeport  
Bridgeport Hdw. Mfg. Co.,  
481 Iranistan Av. (Nail; Tack) .....B  
Hurwood Mfg. Co. (Tack), C  
**CONN.**—Danielson  
Parkhurst, L. D. (Tack), G  
**CONN.**—New Haven  
Beldon Machine Co. (Nail) D  
Kilborn & Bishop Co. (Nail) C  
Scranton & Co. (Nail; Tack) C  
Snow, L. T. (Nail) .....D  
**CONN.**—Plantsville  
Atwater Mfg. Co. (Nail), A  
**CONN.**—Southport  
Jelliff & Co., C. O. (Onion) B  
**ILL.**—Batavia  
Snow Mfg. Co. (Stump) ..E  
**ILL.**—Canton  
Parlin & Orendorff Co.  
(Beet) .....AAAA  
**ILL.**—Chicago  
Borden & Selleck Co., 48  
Lake (Car) .....B  
Holsting & Conveying  
Mchry. Co., 44 N. Elizabeth  
(Car) .....E  
Link Belt Mchry. Co., W.  
39th & Stewart (Car) AAA  
Nat'l Holst & Mach. Co., 463  
W. 22d (Stump) .....G  
Webster Mfg. Co. (Power Car) .....AA  
**ILL.**—Downer's Grove  
Dicke Tool Co. (Wire) ....C  
**ILL.**—Freeport  
Arcade Mfg. Co. (Cork) ..A  
**ILL.**—Harvard  
Hunt, Helm & Ferris (Staple) .....AA  
**ILL.**—Moline  
Barnard & Leas Mfg. Co.  
(Car; Power Car) ....AA

**PULLERS (Con.)**

Deere & Mansur Co. (Beet; Onion) .....AAAA  
**ILL.**—Monmouth  
Milne Mfg. Co. (Stump) ..C  
**ILL.**—Pekin  
Duisdileker Fdry. & Mfg. Co.  
(Stump) .....D  
**IND.**—Evansville  
Kratz Bros. (Stump) .....X  
**IND.**—Indianapolis  
Nordyke & Marmon Co.  
(Car) .....AAA  
Over, Ewald (Stump) .....C  
**IND.**—Mishawaka  
Dodge Mfg. Co. (Car) ..AAA  
**IOWA**—Burlington  
Mohland & Co. (Stump) ..C  
**IOWA**—Cresco  
Caward, R. S. (Stump) ....E  
**IOWA**—Ft. Madison  
Morrison Mfg. Co. (Beet) AA  
**IOWA**—Lone Tree  
Monarch Grubber Co.  
(Stump) .....B  
**IOWA**—Waterloo  
Kelly & Taneyhill (Boulder) C  
**MASS.**—Boston  
Harvey, H. H., 608 Atlantic  
Av. (Spike) .....D  
Pearson Co., C., 64 Federal  
(Spike) .....AAAA  
Strater & Sons, Herman  
(Cork) .....A  
**MASS.**—Greenfield  
Goodell-Pratt Co. (Nail) ..B  
**MASS.**—Millers' Falls  
Millers' Falls Co. (Nail) AA  
**MICH.**—Almont  
Lee, R. E. (Stump) .....F  
**MICH.**—Grand Rapids  
Butterworth & Lowe  
(Stump) .....A  
**MICH.**—Mt. Clements  
Donaldson Bros. (Beet) ...A  
**MICH.**—Saginaw  
Hurtbise, Alex. (Stump), E  
**MINN.**—Albert Lea  
Edwards, C. D. (Stump) ...D  
**MO.**—Kansas City  
Kansas City Hay Press Co.  
(Stump) .....AA  
**N. J.**—Grenloch  
Bateman Mfg. Co. (Onion), A  
**N. J.**—Newark  
Williamson Wire Novelty  
Co., C. T. (Cork) .....B  
**N. Y.**—Canistota  
Carter, W. D. (Stump) ...X  
**N. Y.**—Elmira  
Cronk & Carrier Mfg. Co.  
(Staple; Tack) .....B  
New York City  
Graham & Co., Jno. H.  
(Cork) .....AA  
Millers' Falls Co. (Nail), AA  
Morrill, Chas. (Railroad  
Spike) .....D  
Reisinger, Hugo (Cork) AA  
Sargent & Co. (Tack) AAAAA  
Smith & Hemenway Co., 296  
Bway. (Nail; Staples;  
Tack) .....D  
Tower & Lyon Co., 95  
Chambers (Nail) .....B  
**N. Y.**—Olean  
Chamberlain Mfg. Co.  
(Stump) .....F  
**N. Y.**—Troy  
Hagen & Reid (Nail; Tack) X  
**N. Y.**—Utica  
Utica Drop Forge & Tool Co.  
(Staple; Tack) .....B  
**OHIO**—Bellevue  
Ohio Cultivator Co. (Beet) AAA  
**OHIO**—Cincinnati  
Schriver & Co., O. P., 208  
Elm (Staple) .....B  
**OHIO**—Cleveland  
Federal Mfg. Co. (Tack) AAAAA  
**OHIO**—Fremont  
Lehr Agr'l Co. (Beet) ....B  
**OHIO**—Ravenna  
Williams, A. C. (Tack) ..A  
**OHIO**—Warren  
Denison Mfg. Co. (Nail;

**PULLERS (Con.)**

Tack) .....F  
**OHIO—Westerville**  
 Bennett & Co., H. L.  
 (Stump) .....E  
**PA.—Allentown**  
 Grammes & Sons, L. F.  
 (Nail) .....A  
**PA.—Erie**  
 Erie Specialty Co. (Self-  
 Pulling Cork) .....B  
**PA.—Indiana**  
 Indiana Fdry. Co. (Stump) D  
**PA.—Lancaster**  
 Clamp Window-Shade Pull  
 Co. (Window Shade)....F  
**PA.—Philadelphia**  
 Enterprise Mfg. Co. (Cork)  
 AAAAA  
**PA.—Pittsburg**  
 Pittsburg Tool & Drop Forge  
 Co., Arnott Bldg. (Spike)  
 D  
**PA.—Reading**  
 Chandrell Tool Co. (Nail), B  
**PA.—Wrightsville**  
 Wrightsville Hdw. Co.  
 (Tack) .....B  
**PA.—York**  
 Farquhar Co. (Ltd.), A. B.  
 (Stump) .....AAAA  
**VT.—St. Albans**  
 St. Albans Fdry. & Imple-  
 ment Co. (Stump) .....B  
**WIS.—La Crosse**  
 Smith Mfg. Co. (Stump) ..A  
**WIS.—Seymour**  
 Dean Mfg. Co. (Stump) ...D  
**WIS.—Sparta**  
 Sparta Iron Wks. Co.  
 (Stump) .....C

**PULLEYS**

**CAL.—San Francisco**  
 Henry Machine Wks., 38  
 Fremont (Cast Iron) ..AA  
 Meese & Gottfried Co., 167  
 Fremont Wrought Steel  
 Rim) .....A  
 Risdon Iron & Locomotive  
 Wks., Stuart & Folsom  
 (Cast Iron) .....AAAA  
**CONN.—Bridgeport**  
 Parsons Co., R. E. (Cast  
 Iron) .....D  
 Smith & Egge Mfg. Co.  
 (Sash) .....A  
**CONN.—Derby**  
 Birmingham Iron Foundry  
 (Cast Iron Friction  
 Clutch) .....AA  
**CONN.—Hartford**  
 Hartford Mach. Screw Co.  
 (Cone) .....AAAA  
 Pratt & Whitney Co. (Fric-  
 tion Clutch) .....AAAA  
**CONN.—Middletown**  
 Palmer, I. E. (Awning; Cur-  
 tain Screw Self-Adjusting;  
 Ceiling; Shade) ....AAA  
 Wilcox, Crittenden & Co.  
 (Awning, or Tackle) ...A  
**CONN.—New Britain**  
 Corbin, P. & F. (Sash)  
 AAAAA  
 Russell & Erwin Mfg. Co.  
 (Sash; Screw) .....AAAA  
**CONN.—New Haven**  
 Eastern Machinery Co. (Cast  
 Iron; Friction Clutch;  
 Shaft) .....B  
 Henn & Co., A. S. (Clothes  
 Line) .....F  
 McLagon Foundry Co. (Ma-  
 chine Moulded) .....C  
 New Haven Mfg. Co. (Fric-  
 tion Clutch) .....AA  
**CONN.—Rockfall**  
 Smith, Otis A. (Wire Stitch-  
 ing) .....B  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co.  
 (Awning or Tackle; Hay  
 Fork; Sash; Screw; Dumb  
 Waiter; Side; Tackle;  
 Wagon Brakes) ..AAAA  
**CONN.—Stamford**  
 Yale & Towne Mfg. Co.  
 (Screw) .....AAAA  
**CONN.—Tolland**  
 Sumner Belting Co., Wm.  
 (Wooden) .....D

**PULLEYS (Con.)**

**CONN.— Torrington**  
 Union Hdw. Co. (Wooden)  
 AA  
**CONN.—Waterbury**  
 Waterbury Farrell Foundry  
 & Mach. Co. (Cast Iron)  
 AA  
**DEL.—Wilmington**  
 Pusey & Jones Co. (Fric-  
 tion Clutch) .....AAA  
 Remington Machine Co.  
 (Cast Iron) .....A  
**GA.—Columbus**  
 Goldens' Fdy. & Mach. Co.  
 (Cast Iron) .....A  
**ILL.—Batavia**  
 U. S. Wind Engine & Pump  
 Co. (Hay Fork) .....AA  
**ILL.—Chicago**  
 Allis-Chalmers Co., Home  
 Ins. Bldg. (Cast Iron)  
 AAAAA  
 Burton Son, A. G. (Dyna-  
 meter) .....O  
 Caldwell & Son Co., H. W.,  
 Western Av. & 17th  
 (Friction Clutch; Sash;  
 Shaft) .....AA  
 Coleman Hdw. Co., 59 Dear-  
 born (Sash) .....A  
 Fairbanks, Morse & Co.  
 (Friction Clutch) ..AAAA  
 Gardner Sash Balance Co.,  
 164 Dearborn (Ball Bear-  
 ing Sash; Ball-Bearing  
 Show Case) .....C  
 Janesville Hay Tool Co.,  
 122 Lake (Hay Fork) ...E  
 Jones Fdy. & Mach. Co., W.  
 A., 143 W. North Av.  
 (Machine Moulded Cast  
 Iron; Friction Clutch) ..A  
 Kaestner & Co. (Inc.), 241  
 S. Jefferson (Cast Iron)  
 A  
 Link Belt Machinery Co.,  
 W. 39th & Stewart Av.  
 (Cast Iron Balanced) ..AAA  
 Plamondon Mfg. Co., A., 57  
 S. Clinton (Cast Iron Fric-  
 tion Clutch) .....A  
 Webster Mfg. Co., 1075 W.  
 15th (Cast Iron) .....AA  
**ILL.—Freeport**  
 Stover Mfg. Co. (Sash;  
 Screw) .....AA  
**ILL.—Galesburg**  
 Frost Mfg. Co. (Cast Iron)  
 A  
**ILL.—Harvard**  
 Hunt, Helm, Ferris Co.  
 (Rope; Hay Fork) ..AA  
**ILL.—Marseilles**  
 Marseilles Mfg. Co. (Cast  
 Iron) .....A  
**ILL.—Moline**  
 Barnard & Leas Mfg. Co.  
 (Friction Clutch; Wood  
 Split) .....AA  
**ILL.—Ottawa**  
 Porter Co., J. E. (Hay  
 Fork) .....A  
**ILL.—Sterling**  
 Charter Gas Engine Co.  
 (Friction Clutch; Shaft)  
 A  
 Lawrence Bros. (Cast Iron;  
 Hay Fork) .....AAA  
**IND.—Columbus**  
 Reeves Pulley Co. (Wood  
 Split) .....AA  
**IND.—Eaton**  
 Eaton Mfg. Co. (Wood  
 Split; Shaft) .....B  
**IND.—Goshen**  
 Goshen Mfg. Co. (Hay  
 Fork) .....B  
**IND.—Indianapolis**  
 American Paper Pulley Co.  
 (Paper; Wooden) .....A  
 Atkins & Co., E. C. (Wood-  
 en; Wooden Split) ..AAAA  
 Nordyke & Marmon Co.,  
 1101 W. Morris (Cast  
 Iron; Paper) .....AAA  
 Rockwood Mfg. Co. (Paper)  
 A  
 Speed Changing Pulley Co.  
 (Speed Changing) .....B  
**IND.—Mishawaka**  
 Dodge Mfg. Co. (Cast Iron;

**PULLEYS (Con.)**

Cone; Flange; Friction  
Clutch Guide; Iron Split;  
Wood Rim; Wood Split;  
Dynamometer; Wooden)  
AAA

**IND.—South Bend**

South Bend Pulley Co. (Cast  
Iron; Wood Split) .....B

**IOWA—Davenport**

Davenport Fdy. & Machine  
Co. (Split Wrought Steel)  
X

**IOWA—Fairfield**

Louden Machinery Co. (Hay  
Fork) .....C

**IOWA—Ottumwa**

Johnston & Sharp Mfg. Co.  
(Ball Bearing Steel Sash)  
D

**KANS.—Leavenworth**

Great Western Mfg. Co.  
(Cast Iron; Friction  
Clutch; Grooved; Split)  
AA

**KY.—Louisville**

Caldwell Co., W. E., Bran-  
dels Av. & Brook (Cast  
Iron) .....AA

**KY.—Maysville**

Ohio Valley Pulley Works  
(Wood Split) .....B

**MAINE—Portland**

Laughlin Co., Thos. (Awn-  
ing, or Tackle) .....A  
Portland Co. (Cast Iron;  
Grooved) .....AA

**MAINE—South Portland**

Marine Hdw. & Equipment  
Co. (Awning or Tackle)  
C

**MD.—Baltimore**

Poole Engineering & Mach.  
Co. (Cast Iron; Cone;  
Flange; Friction Clutch;  
Guide Shaft) .....AA

Sinclair-Scott Co., Wells &  
Patapco (Clutch; Fric-  
tion Clutch) .....E

Sloan & Co., Frank B., 10  
S. Charles (Sash) .....D

**MASS.—Boston**

American Tool & Mach. Co.,  
109 Beach (Cast Iron;  
Friction Clutch; Centrif-  
ugal Clutch; Small Iron)  
AA

Austin & Eddy, 117 Broad  
(Sash) .....C  
Boston Gear Works (Shaft)  
B

Sturtevant Co., B. F.  
(Shaft) .....AAA

**MASS.—Fitchburg**

Brown & Co., C. H. (Cast  
Iron) .....X  
Cowdrey Mach. Wks., C. H.  
(Self-Oiling) .....D

Fitchburg Machine Works  
(Friction Clutch) .....B

Putnam Mach. Co. (Cast  
Iron; Friction Clutch) ..A

**MASS.—Greenfield**

Wells Bros. Co. (Friction  
Clutch) .....A

Wiley & Russell Mfg. Co.  
(Friction Clutch) .....AA

**MASS.—Lawrence**

McCaffrey, Jno. (Shaft;  
Cast Iron) .....H

**MASS.—North Adams**

Hunter Mach. Co., James  
(Cast Iron; Friction  
Clutch; Guide; Clutch) ..A

**MASS.—Orange**

Hunt, Rodney Machine Co.  
(Friction Clutch; Clutch)  
A

**MASS.—Pittsfield**

Jones & Sons' Co., E. D.  
(Split) .....B

**MASS.—Worcester**

Burlingame Co., A. (Wood  
Split) .....D  
Holyoke Mach. Co. (Cast  
Iron; Split) .....AA

Luther & Co., R. G., 91  
Foster (Self-Oiling) ...E

Union Machine Co. (Cast  
Iron; Friction Clutch) ..X

**MICH.—Bay City**

Garland Co., M. (Clutch) ..C

**PULLEYS (Con.)****MICH.—Detroit**

Buhl Malleable Co. (Split)  
A

Co-operative Fdy. Co. (Cast  
Iron; Iron Split) .....X

Detroit Wood Pulley Co.,  
Bellevue & Kirby Av.  
(Wood Split) .....B

Wing & Co., J. T., Wood-  
ward Av. (Wood Split) ..C

**MICH.—Grand Rapids**

Fox Machine Co. (Sash) ..A

Grand Rapids Hdw. Co.  
(Sash) .....B

Wilmarth & Marman Co.  
(Friction Clutch; Loose)  
C

**MICH.—Saginaw**

Saginaw Mfg. Co. (Wood  
Split) .....AA

Wickes Bros. (Cast Iron)  
AAA

**MICH.—St. Johns**

Mason & Co., F. C. (Hay  
Fork) .....C

**MINN.—Minneapolis**

Diamond Iron Works (Fric-  
tion Clutch) .....B

Hoyt Mfg. Co. (Friction) ..E

Minnesota Steel & Machin-  
ery Co., Minnehaha &  
29th (Cast Iron; Friction  
Clutch; Shaft; Split) ..AAA

**MO.—St. Louis**

Kupferle, Jno. C., cor. 2d  
& Mound (Iron & Wood  
Hay Fork; Sash) ...AA

Leschen & Sons Rope Co.,  
A., 920 N. 1st (Cast  
Iron; Self-Oiling) ..AAA

Medart Patent Pulley Co.  
(Cast Iron; Friction  
Clutch; Wrought Rim;  
Clamp Hub; Clutch; Spec-  
ial; Split) .....AAA

Pleuger & Henger Mfg. Co.,  
11th & Hebert (Ceiling;  
Hay Fork) .....A

Standard Pulley & Fdy. Co.,  
1228 Collins (Machine  
Moulded Cast Iron) ...D

Williams Mfg. Co., Milton  
F., 2701 N. Broadway  
(Friction Clutch) .....B

**N. H.—Dover**

White Co., Jno. A. (Cast  
Iron) .....C

**N. H.—Keene**

Humphrey Machine Co.  
(Cast Iron) .....C

**N. J.—Dover**

Morris County Mach. & Iron  
Co. (Friction Clutch) ..B

**N. J.—Elizabeth**

Brown Co., A. & F. (Cast  
Iron; Cone; Flange; Fric-  
tion Clutch; Guide; Bal-  
anced; Clamp Hub; Dyna-  
mometer; Clutch; Split)  
B

**N. J.—Garwood**

Whitman Mfg. Co. (Friction  
Clutch, for Gas & Gas-  
oline Engines) .....F

**N. J.—Newark**

Blayney, J. C. (Friction  
Clutch) .....X

**N. J.—Raritan**

Kenyon & Son, D. R. (Fric-  
tion Clutch) .....B

**N. J.—Smithville**

Smith Mach. Co., H. B.  
(Cast Iron) .....A

**N. Y.—Brooklyn**

Bliss Co., E. W., 17 Adams  
(Friction Clutch) ..AAAA

**N. Y.—Buffalo**

Clark Mfg. Co., 260 Chand-  
ler (Sash) .....C

Howard Iron Works (Cast  
Iron) .....A

**N. Y.—Elmira**

Cronk & Carrier Mfg. Co.  
(Hay Fork) .....B

**N. Y.—Horseheads**

Weller Hdw. & Fdy. Co.  
(Hay Fork) .....D

**N. Y.—Hudson**

Gifford Bros. (Friction  
Clutch) .....A

**PULLEYS (Con.)**  
**N. Y.—Lockport**  
 Boston & Lockport Block Co. (Hay Fork & Sling). A  
**N. Y.—Long Island City**  
 North American Metaline Co., cor. West Av. & 3d (Oilless Bearing Loose). C  
**N. Y.—Manlius**  
 Cheney & Son, S. (Hay Fork) ..... A  
**N. Y.—Medina**  
 Swett Iron Works, A. L. (Hay Fork) ..... A  
**New York City**  
 American Wood Working Machine Co. (Wooden) ..... A  
 Creamer & Co., W. G., 96 John (Bell Cord) ..... A  
 Fairbanks Co. (Friction Clutch; Wooden) ..... A  
 Garvin Machine Co., Spring and Varick (Friction Clutch) ..... A  
 Grant Pulley & Hdw. Co., 23 Warren (Overhead Sash) ..... F  
 Judd Co., H. L., 87 Chambers (Screw; Curtain; Wedge Back) ..... A  
 Leonard & McCoy (Split) ..... B  
 Niles-Bement-Pond Co., 111 B'way (Cast Iron; Iron Split) ..... A  
 Sargent & Co., 151 Leonard (Ceiling; Clothes Line; Dumb Waiter; Hothouse; Sash; Screw; Side; Upright; Tackle; Wagon Brake) ..... A  
 Singer Mfg. Co. (Sewing Machine) ..... A  
 Tiebout, W. & J., 118 Chambers (Sash; Upright) ..... B  
**N. Y.—Oneida**  
 Oneida Steel Pulley Co. (Pressed Steel Split; Steel Centre Wood Rim; Wood Split) ..... B  
**N. Y.—Rochester**  
 Pullman Mfg. Co. (Sash). B  
 Ricker Mfg. Co. (Hay Fork) ..... E  
**N. Y.—Sandy Hill**  
 Friction Pulley & Machine Co. (Noiseless Screen Friction Clutch) ..... B  
 Sandy Hill Iron & Brass Works (Friction Clutch) ..... A  
**N. Y.—Schenectady**  
 General Electric Co. (Balanced) ..... A  
**N. Y.—Syracuse**  
 Stearns & Co., E. C. (Awning; Curtain; Small Iron; Swivel) ..... A  
**N. Y.—Troy**  
 McMurray Co., Clarence F. (Split) ..... A  
 Palmer Hdw. Mfg. Co., Green Island P. O. (Sash; Screw; Side) ..... D  
**N. C.—Statesville**  
 Steele & Son, J. C. (Friction Clutch) ..... B  
**OHIO—Akron**  
 Whitman & Barnes Mfg. Co. (Hay; Sling, &c.; Self-Oiling) ..... A  
**OHIO—Ashland**  
 Myers & Bro., F. E. (Hay Fork) ..... A  
**OHIO—Canal Fulton**  
 Fulton Mach. Co. (Cast Iron) ..... E  
**OHIO—Canton**  
 Ney Mfg. Co. (Awning or Tackle; Hay Fork; Screw; Side) ..... B  
 Ney Co., V. L. (Hay Fork) ..... C  
**OHIO—Cincinnati**  
 Bradford Belting Company (Wooden Split) ..... A  
 Fay, Egan Co., J. A., cor. Front & John (Cast Iron) ..... A  
 Greenwald Co., I. & E. (Cast Iron) ..... A  
 Klasinger-Ison Co. (Friction

**PULLEYS (Con.)**  
 Clutch) ..... D  
**Lane & Bodley Co., cor. John & Walter (Cast Iron; Balanced) ..... B**  
 Oesterlein Mach. Co., Elam & Garrard Av. (Friction Clutch) ..... B  
 Xylotite Product Co. (Fibre) ..... B  
**OHIO—Cleveland**  
 Brown Holsting Machinery Co. (Friction Clutch) ..... A  
 Cleveland Block Co., 168 River (Hay Fork) ..... B  
 Federal Mfg. Co., American Trust Bldg. (Steel Face Wood Rim; Steel Face Wood Centre, Wrought Steel) ..... A  
 Hill Clutch Co., ft. Waverly Pl. (Cast Iron; Friction Clutch; Clutch) ..... B  
 Standard Sewing Machine Co. (Sewing Machine) ..... A  
 Strong, Carlisle & Hammond, 61 Frankfort (Wood Split; Wrought Steel) ..... A  
**OHIO—Columbus**  
 Case Mfg. Co. (Friction Clutch; Shaft; Split; Wood Split; Steel Face) ..... A  
 Jeffrey Mfg. Co. (Cast Iron; Friction Clutch; Shaft) ..... A  
**OHIO—Cuyahoga Falls**  
 Falls Rivet & Machine Co. (Cast Iron; Flange; Friction Clutch; Guide) ..... A  
**OHIO—Dayton**  
 Brownell & Co. (Wooden Split) ..... A  
 Dayton Globe Iron Works Co., 833 S. Ludlow (Cast Iron) ..... B  
**OHIO—Defiance**  
 Defiance Machine Works (Balanced) ..... A  
**OHIO—Marion**  
 Ohio Pulley Co. (Wood Split) ..... A  
**OHIO—Massillon**  
 Hess-Snyder Co. (Cast Iron; Friction Clutch; Clutch; Split; Shaft) ..... A  
**OHIO—Mt. Gilead**  
 Hydraulic Press Mfg. Co. (Friction Clutch) ..... A  
**OHIO—St. Mary's**  
 St. Mary's Machine Co. (Clutch, Cast Iron) ..... A  
**OHIO—Sandusky**  
 Klotz Mach. Co. (Cast Iron) ..... C  
**OHIO—Shelby**  
 Brightman Mfg. Co. (Friction Clutch) ..... A  
**OHIO—Springfield**  
 Leffel & Co., James (Cast Iron) ..... A  
**OHIO—Toledo**  
 Baker Bros. (Cast Iron; Wood Split) ..... A  
 Kensey Pulley Co., Albion & Bancroft (Malleable Iron Centre, Wood Split) ..... C  
 Toledo Fdy. & Machine Co. (Cast Iron; Guide) ..... B  
**OHIO—Wellsville**  
 Stevenson Co. (Friction Clutch) ..... B  
**PA.—Allegheny**  
 Enterprise Foundry Co., cor. Nixon & Manhattan (Sash) ..... E  
 Porter Foundry & Machine Co. (Cast Iron) ..... A  
**PA.—Allentown**  
 Allentown Foundry & Machine Wks. (Clutch) ..... A  
 Kline & Co., D. R. (Sash) ..... B  
**PA.—Berlin**  
 Eclipse Wood Pulley Co. (Wood Split) ..... B  
**PA.—Chambersburg**  
 Wolf Co. (Cast Iron; Fric-



**PULLEYS (Con.)**

tion Clutch; Shaft) ..AA  
 Woods' Sons, T. B. (Cast  
 Iron; Friction Clutch)..A  
**PA.—Erie**  
 Taper Sleeve Pulley Works  
 (Friction Clutch; Wood-  
 en; Wooden Split) .....C  
**PA.—Muncy**  
 Sprout, Waldron & Co.  
 (Cast Iron) .....A  
**PA.—Philadelphia**  
 American Pulley Co., 29th  
 & Bristol (Cast Iron;  
 Split Wrought Steel;  
 Steel Rim; Pressed Steel)  
 A  
 Box & Co., Alfred (Travel-  
 ing) .....B  
 Brill Co., J. G. (Bell Cord;  
 also Register Cord).AAAA  
 Cresson Co., Geo. V., 18th  
 & Allegheny Av. (Cast  
 Iron; Cone; Flange; Fric-  
 tion Clutch; Guide;  
 Clamp Hub; Split) ..AA  
 Link Belt Engineering Co.  
 (Friction Clutch) .....AA  
 Moore & White Co., 15th &  
 Lehigh Av. (Friction  
 Clutch) .....AA  
 Sellers & Co. (Inc.), Wm.,  
 1800 Hamilton (Cast  
 Iron; Friction Clutch)  
 AAAAA  
 Yocom & Son, James, 145  
 N. 2d (Friction Clutch)  
 B  
**PA.—Pittsburg**  
 Columbia Bridge Company  
 (Shaft) .....AA  
 Fischer Fdy. & Mach. Co.,  
 S. 21st & Mary (Cast  
 Iron) .....AA  
 Jones & Laughlin Steel Co.  
 (Cast Iron; Flange; Fric-  
 tion Clutch; Guide;  
 Grooved) .....AAAA  
 Pittsburg Pulley Co., Frick  
 Bldg. (Cast Iron, in the  
 rough, etc.; Flange; Fric-  
 tion Clutch) .....B  
 Scaife Fdy. & Machine Co.  
 (Cast Iron) .....B  
**PA.—Pittston**  
 Exeter Machine Wks. (Fric-  
 tion Clutch) .....AA  
**PA.—Reading**  
 Penna. Hdw. Co. (Awning  
 or Tackle; Ceiling; Hay  
 Fork; Sash; Screw) ..AA  
 Reading Hdw. Co. (Awning  
 or Tackle; Ceiling; Hay  
 Fork; Ball or Roller Bear-  
 ing Sash; Screw; Dumb  
 Waiter; Hot House; Side;  
 Upright; Wagon Brake)  
 AAAAA  
 Reading Wood Pulley Co.  
 (Iron & Wood Centre.  
 Wood Split) .....C  
**PA.—Warren**  
 Jacobson Mach. Mfg. Co.  
 (Clutch Cast Iron; Fric-  
 tion Clutch) .....C  
**PA.—Waynesboro**  
 Frick Co. (Cast Iron, Split)  
 AAAAA  
**PA.—Wilkesbarre**  
 Vulcan Iron Works (Bal-  
 anced; Clutch; Friction  
 Clutch; Split) .....AAAA  
**PA.—Williamsport**  
 Valley Iron Works (Cast  
 Iron; Paper; Friction  
 Clutch; Split; Wooden).A  
 Williamsport Clutch & Pul-  
 ley Co. (Cast Iron; Fric-  
 tion Clutch) .....B  
**PA.—Wrightsville**  
 Dissinger & Bro., C. H. A.  
 (Safety Clutch Hay Fork)  
 D  
 Susquehanna Casting Co.  
 (Sash; Hay Fork; Sling)  
 AA  
 Wrightsville Hdw. Co.  
 (Hay Fork; Sash, for Aug-  
 er Mortises; Frame)...B  
**R. I.—Pawtucket**  
 Fales & Jenks Mach. Co.  
 (Cast Iron) .....AAA

**PULLEYS (Con.)**

**R. I.—Providence**  
 Brown & Sharpe Mfg. Co.  
 (Friction Clutch; Clutch)  
 AAAAA  
 Chase Pulley Co. (Iron Hub  
 & Arms, Wood Rim;  
 Wooden Split) .....B  
**R. I.—Woonsocket**  
 Woonsocket Mach. & Press  
 Co. (Cast Iron; Cone;  
 Balanced; Clamp Hub;  
 Dynamometer; Grooved;  
 Guide; Split; Wooden).AA  
**S. C.—Charleston**  
 Valk & Murdoch Iron Wks.  
 (Balanced) .....B  
**TENN.—Jackson**  
 Southern Engine & Boiler  
 Works (Inc.) (Cast Iron)  
 AA  
**VT.—Montpelier**  
 Lane Mfg. Co. (Cast Iron;  
 Cone; Split; Wooden;  
 Wooden Split) .....A  
**VT.—Rutland**  
 Patch Mfg. Co., F. R.  
 (Cast Iron) .....B  
**WIS.—Beloit**  
 Beloit Iron Works (Friction  
 Clutch) .....A  
**WIS.—Eau Claire**  
 McDonough Mfg. Co. (Sash)  
 A  
**WIS.—Janesville**  
 Rock River Mach. Co. (Hay  
 Fork) .....D  
**WIS.—Menasha**  
 Menasha Wood Split Pulley  
 Co. (Wood Split) ....D  
**WIS.—Milwaukee**  
 Brodesser Elevator Mfg.  
 Co. (Friction Clutch)...X  
 Filler & Stowell Co. (Cast  
 Iron; Friction Clutch;  
 Guide Shaft) .....AAAA  
 Milwaukee Hay Tool Co.  
 (Hay Fork) .....A  
**WIS.—Racine**  
 Freeman & Sons' Mfg. Co.,  
 S. (Cast Iron) .....A  
**WIS.—South Milwaukee**  
 Stowell Mfg. & Foundry Co.  
 (Ceiling; Hay Fork;  
 Dumb Waiter) .....A

**PULLS**

**CONN.—Bridgeport**  
 Bridgeport Brass Company  
 (Drawer) .....AAAA  
 Smith & Egge Mfg. Co.  
 (Wood Closet; Door  
 Drawer) .....A  
**CONN.—Bristol**  
 Warner & Co., A. H. (Wa-  
 ter Closet) .....X  
**CONN.—Chester**  
 Brooks & Sons, M. S.  
 (Screen Door; also Ring  
 Shade) .....B  
**CONN.—Deep River**  
 Williams & Marvin Mfg. Co.  
 (Wood Closet) .....D  
**CONN.—Meriden**  
 Bradley & Hubbard Mfg.  
 Co. (Drawer) .....AAAA  
 Foster, Merriam & Co.  
 (Drawer) .....AA  
 Meriden Curtain Fixture Co.  
 (Shade) .....B  
 Rogers & Bros. Co.  
 (Drawer) .....AAAA  
**CONN.—New Britain**  
 Corbin, P. & F. (Door;  
 Drawer) .....AAAA  
 Russell & Erwin Mfg. Co.  
 (Door; Bell; Drawer;  
 Window) .....AAAA  
 Stanley Works (Drawer)  
 AAA  
**CONN.—New Haven**  
 Mallory, Wheeler Co. (Door;  
 Sliding Door) .....AA  
 Sargent & Co. (Door; Bell;  
 Drawer; Screen; Window)  
 AAAAA  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co.  
 (Drawer; Bell; Door;  
 Screen) .....AAAA  
**CONN.—South Norwalk**  
 Norwalk Lock Co. (Door)..A

**PULLS (Con.)****CONN.—Stamford**

Yale & Towne Mfg. Co.  
(Door; Bell; Sliding Door;  
Drawer) .....AAAA

**CONN.—Torrington**

Turner & Seymour Mfg. Co.  
(Shade) .....A  
Union Hdw. Co. (Bell) ..AA

**CONN.—Waterbury**

American Ring Co. (Shade;  
Drawer; Escutcheon) ...A  
Benedict & Burnham Mfg.  
Co. (Drawer) .....AAAA  
Plume & Atwood Mfg. Co.  
(Shade; Drawer) ....AAA

**ILL.—Aurora**

Wilcox Mfg. Co. (Door) ..B

**ILL.—Chicago**

Barbee Wire & Iron Works  
(Door) .....B  
Chicago Spring Butt Co.,  
491 Carroll Av. (Door) ..B

**ILL.—Decatur**

Mueller Mfg. Co., H. (Wood  
Closet) .....AAA

**ILL.—Freeport**

Arcade Mfg. Co. (Drawer;  
Door) .....A  
Stover Mfg. Co. (Door;  
Drawer; Screen Door) ..AA

**ILL.—Sterling**

National Mfg. Co. (Door) ..C

**MASS.—Boston**

Grundy Brass Works, 50  
Sudbury (Closet) .....F  
Young, Jos. H., 224 Frank-  
lin (Closet) .....D

**MASS.—Cambridge**

Standard Turning Works  
(Water Closet) .....C

**MASS.—Worcester**

Wire Goods Co. (Door;  
Drawer) .....A

**MICH.—Detroit**

Ideal Mfg. Co. (Wood  
Closet) .....A  
Ireland & Matthews Mfg.  
Co. (Closet) .....A

**MICH.—Grand Rapids**

Grand Rapids Brass Co.  
(Drawer; Escutcheon) ..A

**MINN.—St. Paul**

Union Brass & Metal Mfg.  
Co. (Wood Closet) ....A

**N. J.—Newark**

Bernz, Otto, S. 13th & S.  
Orange Av. (Closet) ...B

**N. J.—Trenton**

Maddock & Sons, Thos.  
(Porcelain Closet) ...AA  
Trenton Potteries Company  
(Porcelain Closet) ..AAA

**N. Y.—Albany**

Troy Nickel Works (Jno.  
E. Gaitley, Prop.) (Screen  
Door) .....C

**N. Y.—Elmira**

Cronk & Carrier Mfg. Co.  
(Door) .....B

**N. Y.—Horseheads**

Weller Hdw. & Fdy. Co.  
(Door) .....D

**New York City**

Bardsley, Joseph (Drawer)  
.....B

Emery, Wm. S., 94 Beek-  
man (Wood Closet) ...B

Judd & Co., H. L. (Cur-  
tain Chain; Shade) ..AA

Kroder, John & Henry Reu-  
bel Co. (Shade) .....B

Mott Iron Works, J. L., 88  
Beekman (Porcelain  
Closet) .....AA

Ostrander & Co., W. R., 22  
Dey (Bell) .....A

Peck, Stow & Wilcox Co.,  
27 Murray (Bell Box)  
.....AAAA

Russell & Erwin Mfg. Co.,  
43 Chambers (Bell)  
.....AAAA

Sargent & Co., 151 Leonard  
(Bell Box) .....AAAA

Tiebout, W. & J., 118  
Chambers (Bell; Door) ..B

**N. Y.—Syracuse**

Stearns & Co., E. C. (Door)  
.....AA

**OHIO—Canton**

Ney Mfg. Co. (Door) ....B

**PULLS (Con.)****OHIO—Cincinnati**

Vanduzen Co., E. W. (Bell)  
.....B

**OHIO—Cleveland**

Chamberlain Cartridge &  
Target Co. (Target;  
Trap) .....A  
Columbian Hdw. Co. (Door)  
.....AA

Globe Machine & Stamping  
Co. (Drawer) .....C

Taylor & Boggis Fdy. Co.  
(Drawer) .....AA

**OHIO—Piqua**

Piqua Handle & Mfg. Co.  
(Drawer) .....A

**OHIO—Ravenna**

Williams, A. C. (Drawer)  
.....A

**OHIO—Shelby**

Shelby Spring Hinge Co.  
(Drawer) .....B

**PA.—Erie**

Griffin Mfg. Co. (Drawer)  
.....A

**PA.—Philadelphia**

Boekel & Co., Wm., 518  
Vine (Closet) .....A

Stortz & Son, Jno., 210 Vine  
(Closet) .....B

**PA.—Reading**

Penn. Hdw. Co. (Door;  
Drawer) .....AA

Reading Hdw. Co. (Door;  
Bell; Drawer; Screen;  
Window) .....AAAA

**PA.—Wrightsville**

Wrightsville Hdw. Co.  
(Drawer) .....B

**PULP & FIBRE****CAL.—Floriston**

Floriston Pulp & Paper Co.  
(Ground Wood Pulp &  
Sulphite Fibre, also Pa-  
per) .....AA

**CAL.—Towle**

Pioneer Pulp Co. (Wood  
Flour for Dynamite) ..AAA

**COLO.—Denver**

Rocky Mountain Paper Co.  
(Sulphite Fibre) .....E

**CONN.—Comstock's Bridge**

Brown Bros. (Wood) ....A

**DEL.—Wilmington**

Jessup & Moore Paper Co.  
(Soda Fibre) .....AAAA

**GA.—Marietta**

Marietta Paper Mfg. Co.  
(Wood) .....A

**IND.—Hartford City**

Hartford City Paper Co.  
(Ground Wood, dry) ...A

**IND.—Marion**

Marion Pulp Co. (Ground  
Wood, dry) .....D

United Box Board & Paper  
Co. (Ground Wood, dry)  
.....AAAA

**IND.—Muncie**

Muncie Pulp Co. (Bleached  
Soda Fibre) .....AA

**MAINE—Augusta**

Cushnox Paper Co. (Wood)  
.....A

**MAINE—Bangor**

Orono Pulp & Paper Co.  
(Wood) .....AA

**MAINE—Enfield**

International Paper Co.  
(Ground Wood, dry)  
.....AAAA

**MAINE—Fairfield**

United Box Board & Paper  
Co. (Ground Wood)  
.....AAAA

**MAINE—Great Works**

Penobscot Chemical Fibre  
Co. (Soda Fibre, dry) ..A

**MAINE—Howland**

Howland Pulp Co., The  
(Sulphite Fibre) .....A

**MAINE—Jay**

International Paper Co.  
(Ground Wood, dry)  
.....AAAA

**MAINE—Lincoln**

Katahdin Pulp & Paper Co.  
(Sulphite Fibre, dry) ..A

**PULP (Con.)**

**MAINE—Oldtown**  
Nekonegon Paper Co.  
(Ground Wood) .....C

**MAINE—Portland**  
Androscoggin Pulp Co.  
(Wood) .....AA  
Berlin Mills Co. (Paper)  
AAAA

**MAINE—Riley**  
International Paper Co.  
(Ground Wood; also Paper)  
.....AAAA

**MAINE—Rumford Falls**  
International Paper Co.  
(Soda & Sulphite Fibre;  
also Paper) .....AAAA

Oxford Paper Co. (Soda &  
Sulphite Fibre; also Paper)  
.....AAAA

**MAINE—Shawmut**  
Lawrence, Newhall & Page  
Co. (Soda & Sulphite  
Fibre) .....A

**MAINE—Skowhegan**  
Skowhegan Pulp Company  
(Ground Wood) .....D

**MAINE—Solon**  
International Paper Co.  
(Ground Wood, dry)  
AAAA

**MAINE—South Brewer**  
Eastern Mfg. Co. (Sulphite  
Fibre; Ground Wood;  
also Paper) .....A

**MAINE—South Gardiner**  
International Paper Co.  
(Sulphite Fibre) .....AAAA

**MAINE—South Windham**  
Androscoggin Pulp Company  
(Ground Wood) .....AA

**MAINE—Winslow**  
Hollingsworth & Whitney  
Co. (Sulphite Fibre; also  
Paper) .....AAAA

**MAINE—Yarmouthville**  
Forrest Paper Co. (S. D.  
Warren & Co., Boston.  
Mass Props) (Soda Fibre)  
AAAA

**MD.—Elkton**  
Kenmore Pulp & Paper Co.  
(Soda Fibre) .....C

**MD.—Luke**  
West Virginia Pulp & Paper  
Co. (Bleached Soda Fibre)  
AAAA

**MASS.—Boston**  
Train, Smith & Co. (Wood)  
B

Wilder & Co. (Wood) ...AA

**MASS.—Farley**  
Farley Paper Co. (Ground  
Wood, dry) .....B

**MASS.—Lawrence**  
Champion-International Co.  
(Soda & Sulphite Fibre)  
AAA

**MASS.—Monroe**  
Ramage Paper Co., James  
(Wood) .....A

**MASS.—Mt. Tom**  
Mt. Tom Sulphite Pulp Co.  
(Bleached Sulphite Fibre)  
A

**MASS.—Turner's Falls**  
International Paper Co.  
(Ground Wood) ...AAAA

**MICH.—Alpena**  
Fletcher Paper Co. (Ground  
Wood & Sulphite Fibre)  
AA

**MICH.—Cheboygan**  
Cheboygan Paper Company  
(Ground Wood) .....AA

**MICH.—Detroit**  
Detroit Sulphite Fibre Co.  
(Sulphite Fibre, dry) ...A

**MICH.—Jackson**  
Jackson Pulp Co. (Soda  
Fibre) .....A

**MICH.—Menominee**  
Marinette & Menominee Paper  
Co. (Ground Wood,  
dry) .....AAA

**MICH.—Munising**  
Munising Paper Co. (Sulphite  
Fibre) .....B

**MICH.—Muskegon**  
Central Paper Co. (Sulphite  
Fibre; also Paper) ....A

**MICH.—Potoskey**  
Potoskey Fibre Paper Co.

**PULP (Con.)**

(Sulphite Fibre) .....A

**MICH.—Port Huron**  
Michigan Sulphite Fibre Co.  
(Mitscherlich Process Sulphite  
Fibre) .....H

**MINN.—Cloquet**  
Northwest Paper Company  
(Ground Wood) ....AAA

**MINN.—Little Falls**  
Hennepin Paper Co. (Ground  
Wood) .....B

**MINN.—Ypsilanti**  
Ypsilanti Paper Co. (Wood)  
B

**N. H.—Berlin**  
Berlin Mills Co. (Ground  
Wood, dry) .....AAAA

Burgess Sulphite Fibre Co.  
(Bleached & Unbleached  
Sulphite Fibre, dry)  
AAAA

International Paper Co. (Sulphite  
Fibre) .....AAAA

**N. H.—Bristol**  
Mason-Perkins Paper Co.  
(Ground Wood) .....A

**N. H.—Franklin**  
International Paper Company  
(Ground Wood)  
AAAA

**N. H.—Gorham**  
Berlin Mills Co. (Ground  
Wood; also Paper) .AAAA

**N. H.—Groveton**  
Odell Mfg. Co. (Sulphite  
Fibre; also Paper) ....A

**N. H.—Lincoln**  
Henry & Son, J. E. (Sulphite  
Fibre) .....AAAA

**N. H.—Plymouth**  
Livermore Falls Pulp Co.  
(Ground Wood, dry)  
AAAA

**N. Y.—Ausable Chaam**  
Alice Falls Co. (Ground  
Wood, dry) .....AAAA

**N. Y.—Ausable Fork**  
Rogers Co., J. & J. (Ground  
Wood & Sulphite) .AAA

**N. Y.—Ballston Spa**  
Union Bag & Paper Co.  
(Sulphite Fibre; also Paper)  
.....AAAA

**N. Y.—Beaver Falls**  
Lewis Co., J. P. (Inc.)  
(Ground Wood; also Paper)  
.....B

Lewis, Slocum & Lefevre  
(Ground Wood) .....B

**N. Y.—Binghamton**  
Bayless Pulp & Paper Co.  
(Paper) .....AA

**N. Y.—Black River**  
Jefferson Paper Co. (Ground  
Wood, dry) .....A

Remington & Son Pulp &  
Paper Co., H. (Ground  
Wood) .....B

**N. Y.—Brown's Station**  
Hudson River Wood Pulp  
Mfg. Co. (Ground Wood;  
Wood Flour for Dynamite,  
Linoleum, &c.) ...D

**N. Y.—Brownville**  
Brownville Paper Company  
(Ground Wood, dry) ...B

Harmon Paper Co. (Ground  
Wood; also Paper) ....C

**N. Y.—Cadyville**  
Internatl. Paper Company  
(Ground Wood) ...AAAA

**N. Y.—Carthage**  
Carthage Sulphite Pulp Co.  
(Sulphite Fibre) .....B

Champion Paper Company  
(Ground Wood; also Paper)  
.....B

Island Paper Co. (Ground  
Wood, dry) .....B

**N. Y.—Chateaugay**  
Chateaugay Pulp Company  
(Ground Wood) .....D

High Falls Pulp Co.  
(Ground Wood, dry) ...B

**N. Y.—Colton**  
Raquette River Pulp Co.  
(Ground Wood, dry) ...C

**N. Y.—Deferitt**  
St. Regis Paper Co. (Ground  
Wood, dry; Sulphite  
Fibre; also Paper) .AAA

**PULP (Con.)**  
**N. Y.—Dexter.**  
Dexter Sulphite Pulp & Paper Co. (Ground Wood) AA  
**N. Y.—Emeryville**  
Gouverneur Wood Pulp Co. (Ground Wood, dry)....B  
**N. Y.—Felts Mills**  
Taggart Paper Co. (Ground Wood; also Paper) ....A  
**N. Y.—Fort Ann**  
Kanes Falls Pulp Company (Ground Wood, dry)....AA  
**N. Y.—Fort Edward**  
International Paper Co. (Ground Wood; Sulphite Fibre; also Paper).AAAA  
**N. Y.—Fort Miller**  
Fort Miller Pulp & Paper Co. (Ground Wood, dry; also Paper) .....B  
**N. Y.—Fullerville**  
Union Talc. Co. (Ground Wood, dry) .....AAA  
**N. Y.—Fulton**  
Battle Island Paper Co. (Sulphite Fibre, dry)....A  
Fulton Paper Co. (Ground Wood, dry) .....C  
United Box Board & Paper Co. (Ground Wood; Dry; also Paper) .....AAAA  
**N. Y.—Glens Falls**  
International Paper Co. (Ground Wood; also Paper) .....AAAA  
**N. Y.—Gouverneur**  
Gouverneur Wood Pulp Co. (Wood) .....B  
**N. Y.—Great Bend**  
Taggart Paper Co. (Ground Wood, dry; also Paper).A  
**N. Y.—Hadley**  
Union Bag & Paper Co. (Ground Wood; also Paper) .....AAAA  
**N. Y.—Herring**  
Jefferson Power Co. (Sulphite Fibre) .....AA  
**N. Y.—Hinckley**  
Hinckley Fibre Co. (Sulphite Fibre) .....A  
**N. Y.—Lockport**  
United Box Board & Paper Co. (Ground Wood, dry; Sulphite Fibre; also Paper) .....AAAA  
United Indurated Fibre Co. of N. J. (Ground Wood, dry) .....AA  
**N. Y.—Lyon Falls**  
Gould Paper Co. (Ground Wood) .....AAA  
**N. Y.—Lyonsdale**  
International Paper Co. (Ground Wood) ..AAAA  
Moyer & Platt (Ground Wood, dry) .....E  
**N. Y.—Malone**  
Malone Paper Co. (Sulphite Fibre, wet) .....B  
**N. Y.—Mechanicsville**  
Duncan Co. (Sulphite Fibre; also Paper) .....AAAA  
**N. Y.—Napanoeh**  
Napanoeh Mfg. Co. (Wood Flour) .....D  
**N. Y.—Natural Dam**  
Aldrich Paper Co. (Ground Wood; Sulphite Fibre; also Paper) .....AA  
**N. Y.—Lyon Falls**  
Gould Paper Co. (Wood) AAA  
**N. Y.—Newton Falls**  
Newton Falls Paper Co. (Wood; Sulphite Fibre; Paper) .....A  
**New York City**  
Hudson River Wood Pulp Mfg. Co. (Wood) .....D  
International Pulp Co., Times Bldg. (Asbestine) AAA  
**New York & Penna. Co.**  
(Wood) .....AAAA  
Perkins, Goodwin & Co. (Paper) .....AAA  
Standard Pulp Co. (Wood) A  
**West Virginia Pulp & Paper**

**PULP (Con.)**  
Co. (Wood) .....AAAA  
**N. Y.—Niagara Falls**  
Cliff Paper Co. (Ground Wood, dry) .....AA  
By - Products Paper Co. (Flax & Cotton Fibres).A  
International Paper Co. (Sulphite Fibre; also Paper) .....AAAA  
Pettebone-Cataract Paper Co. (Ground Wood, dry; also Paper) .....AAAA  
**N. Y.—Norfolk**  
Remington-Martin Co. (Sulphite Fibre; also Paper) A  
**N. Y.—Oswegatchie**  
Standard Pulp Co. (Ground Wood, dry) .....D  
**N. Y.—Palmer**  
International Paper Co. (Ground Wood; Sulphite Fibre) .....AAAA  
**N. Y.—Piercesfield**  
International Paper Co. (Ground Wood; Sulphite Fibre; also Paper).AAAA  
**N. Y.—Potsdam**  
Racquette River Paper Co. AA  
**N. Y.—Pyrites**  
De Grasse River Paper Co. (Ground Wood; Sulphite Fibre) .....A  
**N. Y.—Rochester**  
Genesee Paper Co. (Ground Wood, Dry; also Paper), B  
**N. Y.—Sandy Hill**  
Allen Bros. Co. (Ground Wood; also Paper) ....A  
Union Bag & Paper Co. (Sulphite Fibre; Paper Pulp) .....AAA  
**N. Y.—Schuylerville**  
United Box Board & Paper Co. (Ground Wood; also Paper) .....AAAA  
**N. Y.—South Edward**  
Carthage Tissue Paper Mills (Ground Wood, dry) ...B  
**N. Y.—Ticonderoga**  
International Paper Co. (Ground Wood, dry; also Paper) .....AAAA  
Ticonderoga Pulp & Paper Co. (Soda Fibre; also Paper) .....AAA  
**N. Y.—Troy**  
Manning Paper Co., John A. (Wood) .....AA  
Orr Co. (Wood) .....AA  
**N. Y.—Warrensburg**  
Schroon River Pulp & Paper Co. (Ground Wood, dry) .....A  
**N. Y.—Watertown**  
International Paper Co. (Ground Wood; Sulphite Fibre; also Paper).AAAA  
Remington-Martin Company (Wood) .....AA  
Taggart Bros. Co. (Wood) AA  
**N. Y.—Willsboro**  
N. Y. & Pa. Co. (Soda Fibre; also Paper) ..AAA  
**OHIO—Cleveland**  
Cleveland Paper Mfg. Co. (Ground Wood; also Paper) .....B  
**OHIO—Miamisburg**  
Ohio Paper Co. (Straw)...A  
**OHIO—Staubenville**  
Hartje Paper Mfg. Co. (Ground Wood; Sulphite Fibre; also Paper).AAA  
**OHIO—West Carrelton**  
Friend Paper & Tablet Co. (Sulphite Fibre) .....AAA  
**OREGON—Oregon City**  
Crown Paper Co. (Sulphite Fibre) .....A  
**Williamette Pulp & Paper Co.**  
(Sulphite Fibre; also Paper) .....AAA  
**PA.—Austin**  
Bayless Pulp & Paper Co. (Ground Wood; Sulphite Fibre; also Paper) ....AA  
**PA.—Catawissa**  
Penna. Paper Mills (Ground

**PULP (Con.)**

Wood; also Paper) .....B  
**PA.—Easton**  
 Wagener & Co., Jno. O.  
 (Mineral) .....A  
 Williams & Co., C. K.  
 (Mineral) .....A  
**PA.—Erie**  
 Hammermill Paper Co.  
 (Sulphite Fibre; also Paper) .....AAA  
 Watson Co., H. F. (Ground  
 Wood; also Paper).....AAAA  
**PA.—Johnsonburgh**  
 Highland Paper Co. (Soda  
 Fibre) .....A  
 N. Y. & Pa. Co. (Bleached  
 Sulphite) .....AAAA  
**PA.—Lock Haven**  
 N. Y. & Pa. Co. (Soda  
 Fibre; also Paper).....AAAA  
**PA.—Philadelphia**  
 Dill & Collins (Soda Fibre;  
 also Paper) .....AAA  
 Nixon Paper Co., Martin &  
 Wm. H. (Soda Fibre; also  
 Paper) .....AAAA  
**PA.—Roaring Spring**  
 Bare & Co., D. M. (Soda  
 Fibre; also Paper).....A  
**PA.—Spring Forge**  
 Glatfelter, P. H. (Soda  
 Fibre; also Paper).....AAA  
**PA.—Williamsburg**  
 Williamsburg Paper Mfg.  
 Co. (Soda Fibre; also  
 Paper) .....A  
**PA.—York Haven**  
 York Haven Paper Co.  
 (Ground Wood dry; Sulphite  
 Fibre dry; also  
 Paper) .....AA  
**S. C.—Hartsville**  
 Carolina Fibre Co. (Ground  
 Wood dry; Sulphite  
 Fibre; also Paper).....A  
**TENN.—Memphis**  
 Tenn. Fibre Co. (Cotton  
 Hull Fibre, dry) .....D  
**TEXAS—Orange**  
 Orange Paper Co. (Soda  
 Fibre; also Paper) ....D  
**VT.—Bellows Falls**  
 International Paper Co.  
 (Ground Wood; Sulphite  
 Fibre; also Paper).....AAAA  
**VT.—Fitzdale**  
 Dalton Paper Mills (Ground  
 Wood; also Paper) ....A  
**VT.—Middlebury**  
 Green Mountain Pulp Co.  
 (Ground Wood, dry)....B  
**VT.—Milton**  
 International Paper Co.  
 (Ground Wood) ...AAAA  
**VT.—Readsboro**  
 National Metal Edge Box  
 Co. (Ground Wood; also  
 Paper) .....A  
**VT.—Sheldon Springs**  
 Missisquoi Pulp Company  
 (Ground Wood, dry)....C  
**VT.—South Lunenburg**  
 Dalton Paper Mills (Ground  
 Wood, dry) .....A  
**VT.—West Derby**  
 Spaulding Bros. (Wood) ..B  
**VT.—Wilder**  
 International Paper Co.  
 (Ground Wood; also Paper) .....AAAA  
**VT.—Wilmington**  
 Deerfield River Co. (Ground  
 Wood, wet) .....B  
**VA.—Big Island**  
 Bedford Pulp & Paper Co.  
 (Ground Wood, dry)....B  
**VA.—Buena Vista**  
 Columbia Paper Co. (Soda  
 Fibre) .....AAA  
**VA.—Covington**  
 West Virginia Pulp & Paper  
 Co. (Bleached Sulphite  
 Fibre) .....AAAA  
**WASH.—Camas**  
 Columbia River Paper Co.  
 (Wood) .....AA  
**WASH.—Everett**  
 Everett Pulp & Paper Co.  
 (Soda Fibre) .....AAA  
**W. VA.—Davis**  
 West Virginia Pulp & Pa-

**PULP (Con.)**

per Co. (Bleached Sulphite  
 Fibre) .....AAAA  
**W. VA.—Harpers Ferry**  
 Harpers Ferry Paper Co.  
 (Ground Wood, dry)....B  
 Shenandoah Pulp Company  
 (Ground Wood, dry)....B  
**W. VA.—Parsons**  
 Parsons Pulp & Paper Co.  
 (Bleached & Unbleached  
 Sulphite) .....B  
**WIS.—Appleton**  
 Fox River Paper Co. (Wood)  
 AA  
 Interlake Pulp & Paper Co.  
 (Ground Wood) .....A  
 Marshall Paper Co. (Wood)  
 B  
 Patten Paper Co. (Wood)  
 A  
 Riverside Fibre & Paper Co.  
 (Bleached & Unbleached  
 Sulphite Fibre; also Paper)  
 .....D  
 Wisconsin Tissue Paper Co.  
 (Wood) .....B  
**WIS.—Ashland**  
 Ashland Sulphite Fibre Co.  
 (Sulphite Fibre) .....D  
**WIS.—Brokaw**  
 Wausau Paper Mills Co.  
 (Ground Wood; Sulphite  
 Fibre) .....A  
**WIS.—Centralla**  
 Centralla Pulp & Water  
 Power Co. (Ground Wood,  
 dry) .....A  
**WIS.—Combined Locks**  
 Combined Locks Paper Co.  
 (Sulphite Fibre).....AAA  
**WIS.—Eau Claire**  
 Dells Paper & Pulp Co.  
 (Sulphite Fibre).....AAA  
**WIS.—Grand Rapids**  
 Centralla Pulp & Water  
 Power Co. (Wood) .....A  
 Consolidated Water Power  
 & Paper Co. (Ground  
 Wood; also Paper) ...AA  
 Grand Rapids Pulp & Paper  
 Co. (Ground Wood, dry;  
 also Paper) .....A  
 Pioneer Wood Pulp Co.  
 (Ground Wood; also Paper)  
 .....D  
**WIS.—Green Bay**  
 Green Bay Paper Co. (Sulphite  
 Fibre) .....B  
**WIS.—Kaukuna**  
 Kaukuna Fibre Co. (Sulphite  
 Fibre, dry).....C  
 Lindauer Pulp Co. (Ground  
 Wood) .....E  
 Owtagamle Paper Company  
 (Ground Wood) .....A  
 Thilmany Pulp & Paper Co.  
 (Ground Wood) .....A  
 Union Bag & Paper Co.  
 (Ground Wood) ...AAAA  
**WIS.—Kimberly**  
 Kimberly & Clark Co. (Sulphite  
 Fibre) .....AAAA  
**WIS.—Ladysmith**  
 Menasha Paper Co. (Ground  
 Wood; also Paper) ....A  
**WIS.—Marinette**  
 Marinette & Menominee Paper  
 Co. (Wood; Sulphite  
 Fibre) .....AAAA  
**WIS.—Menasha**  
 Howard Co., C. W. (Sulphite  
 Fibre; also Paper) A  
**WIS.—Neenah**  
 Atlas Paper Co. (Paper)  
 AA  
 Kimberly & Clark Co.  
 (Wood) .....AAAA  
 Telulah Paper Co. (Wood)  
 AA  
**WIS.—Nekoosa**  
 Nekoosa Paper Co. (Ground  
 Wood; Sulphite Fibre)  
 AA  
**WIS.—Oconto Falls**  
 Falls Mfg. Co. (Sulphite  
 Fibre, dry) .....A  
 Union Mfg. Co. (Ground  
 Wood) .....D  
**WIS.—Park Falls**  
 Flambeau Paper Company

**PULP (Con.)**  
 (Ground Wood; also Paper) .....A  
**WIS.—Fort Edwards**  
 Edwards Mfg. Co., John  
 (Spruce & Poplar Ground  
 Wood; also Paper) .....A  
**WIS.—Shawano**  
 Wolf River Paper & Fibre  
 Co. (Sulphite Fibre, dry;  
 also Paper) .....A  
**WIS.—Stevens Point**  
 Wisconsin River Paper &  
 Pulp Co. (Ground Wood,  
 dry; also Paper) .....A

## PULPERS

See also Machy

**N. Y.—Buffalo**  
 Squier Mfg. Co., Geo. L.  
 (Coffee) .....AAA  
**N. C.—Winston-Salem**  
 Salem Iron Works (Coffee)  
 A  
**OHIO—Cincinnati**  
 Blymyer Iron Works Co.  
 (Coffee) .....B  
**WIS.—Manitowoc**  
 Smalley Mfg. Co. (Vege-  
 table) .....B

## PULPITS

See also Furniture

**MASS.—Boston**  
 Davenport Co., Albert H.  
 AA  
**MICH.—Detroit**  
 Amos & Co., Chas. A., 94  
 W. Larned (Brass) .....E  
**MO.—Lexington**  
 Winkler Furniture Co. ....D  
**MO.—St. Louis**  
 Prutrock, Wm., 1441 N.  
 6th .....A  
**New York City**  
 Church Art Work Co., 253  
 4th Av. ....X  
 Masset, A., 78 E. 10th  
 (Brass) .....D  
 Stoltzenberg Co. ....B

## PULVERIZERS

See also Crushers; Mills;  
 Machy; Agr. Imps

**DEL.—Wilmington**  
 Walker & Elliot .....B  
**ILL.—Chicago**  
 Allis-Chalmers Co., Home  
 Ins. Bldg. (Ore; Clay)  
 AAAA  
 Kaestner & Co. (Drug;  
 Stone, &c.) .....A  
 Raymond Bros. Impact Pul-  
 verizer Co. (Drug; Stone,  
 &c.) .....D  
**IND.—Aurora**  
 Stedman Fdy. & Mach.  
 Works .....B  
**IND.—Indianapolis**  
 Over, Ewald .....C  
**KANS.—Ft. Scott**  
 Ft. Scott Fdy. & Mach. Co.  
 H  
**MASS.—Boston**  
 Bradley Pulverizer Co.  
 (Mining) .....X  
 Sturtevant Co., B. F.  
 (Grinding) .....AAA  
**MINN.—Minneapolis**  
 Schultz-O'Neil Co. (Coffee;  
 Sugar; Spice) .....C  
**N. Y.—Brooklyn**  
 Hoachin & Huber .....D  
 Simpson, J. S. & G. F.  
 (Grinding) .....A  
**N. Y.—Buffalo**  
 Squier Mfg. Co., Geo. L.  
 (Sugar) .....AAA  
**N. Y.—Newburgh**  
 Coldwell-Wilcox Co. (As-  
 phalt) .....B  
**New York City**  
 Abbe Engineering Co.  
 (Drug; Stone, etc.) .....D  
 Alsing & Co., J. R. (Drug;  
 Stone, etc.) .....X

**PULVERIZERS (Con.)**  
**OHIO—Canton**  
 Bucher-Gibbs Plow Co. ....AA  
**OHIO—Cleveland**  
 Bartlett & Snow Co., C. O.  
 (Drug; Stone, etc.) .....A  
**OHIO—Cuyahoga Falls**  
 Turner, Vaughn & Taylor  
 Co. (Ore; Clay) .....B  
**OHIO—Fremont**  
 Lehr Agri. Co. ....B  
**OHIO—Hamilton**  
 Deutscher Co., H. P. ....A  
**OHIO—Springfield**  
 Foss Mfg. Co. ....A  
**PA.—Philadelphia**  
 Campbell, P. F. (Drug;  
 Stone, etc.) .....D  
**PA.—Pittsburg**  
 Garrison Fdry. Co., A. (Ore;  
 Clay; Priming) ....AAA  
**S. C.—Charleston**  
 Valk & Murdock Iron Wks.  
 (Grinding) .....C  
**WIS.—Beloit**  
 Thompson & Sons Mfg. Co.,  
 J. ....AA  
**WIS.—Janesville**  
 Janesville Mach. Co. (Ro-  
 tary Disk) .....AA  
**WIS.—Milwaukee**  
 Allis-Chalmers Co. ....AAA

## PUMICE

**ILL.—Chicago**  
 Rhodes & Co., Jas. H. ....C  
 Thurston & Co., F. W. ....A  
**New York City**  
 Behr & Co., Herman, 75  
 Beekman (Stone) .....AA  
 Waddell & Co., R. J. ....AA  
 Wetmore Co., S. H., 240  
 Pearl (Toilet) .....D  
**PA.—Eaton**  
 Williams & Co., C. K.  
 (Pulverized) .....A  
**PA.—Pittsburg**  
 Finkell-Hachmeister Chemi-  
 cal Co. ....D

## PUMPKIN

See Canned Goods

## PUMPS

See also Machy

**CAL.—Los Angeles**  
 Luitwieler Pumping Engine  
 Co. (Non-Pulsating Bal-  
 anced Artesian Well; Cen-  
 trifugal; Deep Well; Non-  
 Pulsating Balanced Elec-  
 tric; Elevator; Non-Pul-  
 sating Mining; Non-Pul-  
 sating Tank; Non-Pulsat-  
 ing Water Works) .....D  
**CAL.—San Francisco**  
 Dow Pumping Engine Co.,  
 Geo. E., 179 1st (Air;  
 Electric; Irrigating; Min-  
 ing; Steam) .....AA  
 Evans & Co., C. H. (Deep  
 Well; Power; Steam) ..C  
 Garratt & Co., W. T., 188  
 Fremont (Air; Centrif-  
 ugal; Deep Well; Electric;  
 Elevator; Mining; Steam)  
 AA  
 Hendy Machine Wks., Josh.  
 38 Fremont (Cornish;  
 Sinking; Steam) .....AA  
 Jackson Machine Wks.,  
 Byron, 411 Market (Cen-  
 trifugal; Sand; Dredging;  
 Steam) .....A  
 Krogh Mfg. Co. (Wind  
 Mill) .....A  
 Moore & Co., Chas. C., 32  
 1st (Steam) .....AA  
 Pacific Pump & Windmill  
 Co. (Windmill) .....C  
 Risdon Iron & Locomotive  
 Wks. (Centrifugal; Ship;  
 Hydraulic) .....AAAA  
 San Francisco Tool Wks.  
 (Centrifugal; Irrigating)  
 E  
 Union Iron Wks., 222 Mar-  
 ket (Air; Condenser;

**PUMPS (Con.)**  
 Cornish; Steam) .....X  
**Wood & Little (Windmill)** .....A  
**Yeatman & Co., Jno. A., 13**  
 1st (Centrifugal; Sand;  
 Dredging) .....X  
**CAL.—San Jose**  
**Bean Spray Pump Co.**  
 (Spray; Chain) .....D  
**COLO.—Denver**  
**Mine & Smelter Supply Co.**  
 (Mining; Sinking).....AAAA  
**Stearns-Rogers Mfg. Co.**  
 (Electric) .....A  
**CONN.—Ansonia**  
**Farrell Fdry. & Machine Co.**  
 (Hydraulic) .....AAAA  
**CONN.—Bridgeport**  
**Bridgeport Brass Co. (Bi-**  
 cycle; Brass) .....AAA  
**Bridgeport Gun Implement**  
**Co. (Bicycle) .....AA**  
**CONN.—Bristol**  
**New Departure Mfg. Co.**  
 (Bicycle) .....AAA  
**CONN.—Collinsville**  
**Hartigan, Wm. R. (Bi-**  
 cycle) .....H  
**CONN.—Derby**  
**Birmingham Iron Fdry.**  
 (Hydraulic) .....AA  
**CONN.—Hartford**  
**Davis & Son, I. B. (Boiler**  
 Feed; Power; Plumbers')  
 .....A  
**Hartford Mach. Screw Co.**  
 (Rotary) .....AAAA  
**Noppel Pump Co. (Plumb-**  
 ers' Force) .....D  
**Rhodes, L. E., 28 High (Air**  
 Lift; Automatic; Cistern;  
 Pneumatic) .....F  
**CONN.—Middletown**  
**Douglas, W. & B. (Air;**  
 Boiler Feed; Boiler Test-  
 ing; Brass; Centrifugal;  
 Cistern; Contractors' for  
 Sewers; Foundations;  
 Electric; Elevator; Force;  
 Lift; Hydraulic; Mining;  
 Plumbers'; Spray; Steam;  
 Sugar House; Windmill;  
 Wrecking; Anti-Freezing;  
 Beer; Ale; Brewery; Cel-  
 lar; Chain; Greenhouse  
 Force; Hand; Porcelain-  
 Lined; High Pressure;  
 Horse Power; Bilge;  
 Boat; Ship; Molasses;  
 Stuff; Hand Section; Ar-  
 tesian Well; Drive Well)  
 .....A  
**CONN.—New Britain**  
**Union Mfg. Co. (Brass;**  
 Centrifugal; Chain; Cis-  
 tern; Copper; Force; Lift;  
 Plumbers'; Barrel; Beer;  
 Ale; Hand; Boiler Feed;  
 Garden; Iron; Power; Ro-  
 tary; Well; Drive Well;  
 Windmill) .....AA  
**CONN.—New Haven**  
**Foskett & Bishop Co. (Cop-**  
 per; Force; Lift).....B  
**Peck Bros. & Co. (Beer;**  
 Ale; Plumbers').....AA  
**CONN.—Norwich**  
**Norwich Belt Mfg. Co.**  
 (Hydraulic Test) .....A  
**CONN.—South Norwalk**  
**Norwalk Iron Wks. Co. (Air**  
 Lift; Natural Gas; Com-  
 pressing; Steam).....AAA  
**CONN.—Thompsonville**  
**Bushnell Press Co., G. H.**  
 (Hydraulic; Steam) .....A  
**CONN.—Torrington**  
**Union Hdw. Co. (Contrac-**  
 tors, for Sewers; Founda-  
 tions by Hand Power;  
 Diaphragm; Hand Suction)  
 .....AA  
**CONN.—Waterbury**  
**Scovill Mfg. Co. (Boiler**  
 Testing; Bicycle).....AAAA  
**Waterbury Farrell Fdry.**  
**Machine Co. (Power).....AA**  
**CONN.—Windsor Locks**  
**Windsor Locks Machine Co.**  
 (Stuff) .....E

**PUMPS (Con.)**  
**DEL.—Wilmington**  
**Henderer's Sons, A. L.**  
 (Boiler Testing) .....E  
**D. C.—Washington**  
**Emerson Steam Pump Co.,**  
**Merts Bldg. (Steam Va-**  
 cuum) .....X  
**GA.—Savannah**  
**Kehoe & Sons, Wm.**  
 (Steam) .....A  
**ILL.—Aurora**  
**Amer. Well Wks. (Deep**  
 Well; Mining; Steam;  
 Windmill; Artesian Well)  
 .....AA  
**ILL.—Batavia**  
**Appleton Mfg. Co. (Irri-**  
 gating) .....A  
**Challenge Windmill & Feed**  
**Mill Co. (Irrigating;**  
 Tank; Wooden; Windmill)  
 .....AAA  
**Snow Mfg. Co. (Wind-**  
 mill) .....E  
**U. S. Wind Engine & Pump**  
**Co. (Artesian Well; Cis-**  
 tern; Irrigating; Tank;  
 Windmill; Drainage;  
 Hand Lawn Force; Hand;  
 Brass; Iron; Porcelain-  
 Lined; Wooden; Horse  
 Power; Low Pressure;  
 Plantation; Power; Hand  
 Suction; Quarry; Deep  
 Well; Well Force).....AA  
**ILL.—Bushnell**  
**Bushnell Pump Co. (Tank;**  
 Hand) .....B  
**ILL.—Chicago**  
**Allis-Chalmers Co., Home**  
 Ins. Bldg. (Air; Cornish;  
 Irrigating; Mining; Boiler  
 Feed; Steam) .....AAAA  
**Austin Mfg. Co., Manhattan**  
**Bldg. (Steam).....AAA**  
**Baragwanath & Son, Wm.,**  
 52 W. Division (Boiler  
 Feed; Steam Boiler Feed)  
 .....C  
**Barber & Co., A. H. (Com-**  
 bined; Creamery Engine)  
 .....A  
**Brewers' & Bottlers' Machy.**  
**Wks. (Beer) .....G**  
**Burdett-Rountree Mfg. Co.,**  
 85 W. Jackson Boul.  
 (Electric Air) .....B  
**Contractors Supply & Equip-**  
**ment Co., 232 5th Av.**  
 (Quarry) .....B  
**Crane Co. (Centrifugal)**  
 .....AAAA  
**Davis-Johnson Co., 41 W.**  
 Randolph (Centrifugal;  
 Rotary) .....D  
**Elmes Engineering Wks.,**  
 Chas. F., cor. N. Morgan  
 & Fulton (Hydraulic).....A  
**Erwin & Co., 35 S. Canal**  
 (Automatic Electric).....B  
**Fairbanks, Morse & Co.,**  
 Franklin & Monroe (Air;  
 Belt-Driven; Bilge; Boiler  
 Feed; Centrifugal; Ar-  
 tesian Well; Cistern; Deep  
 Well; Elevator; Filter  
 Press; Hydraulic; Irrigat-  
 ing; Mining; Power;  
 Quarry; Steam; Sugar  
 House; Tank; Tar; Va-  
 cuum; Water Works;  
 Windmill; Anti-Freezing;  
 Drainage; Greenhouse  
 Force; Iron; Pitcher; Ro-  
 tary; Hand Suction; Drive  
 Well) .....AAAA  
**Goetz & Flodin Mfg. Co.**  
 (Beer) .....A  
**Goodman Mfg. Co., 39th &**  
 Stewart Av. (Electric;  
 Elevator) .....AA  
**Illinois Malleable Iron Co.,**  
 30 W. Monroe (Brass)..  
 .....AA  
**Kaestner & Co. (Rotary;**  
 Air; Beer; Pressur).....A  
**Laubenheimer Co., Geo. H.**  
 (Beer) .....D  
**Lindgren, Mahan Fire Ap-**  
**paratus Wks. (Fire).....X**  
**Liquid Carbonic Acid Mfg.**

**PUMPS (Con.)**  
 Co. (Beer; Ale) ..AAAA  
 Marsh & Co., James P.  
 (Hydraulic Test) .....B  
 Nye Steam Pump & Mach.  
 Co., 70 W. Washn.  
 (Wrecking) .....X  
 Perrin & Co., Wm. R., 1500  
 46th (Hydraulic; Rotary) .....A  
 Scott Valve Co., 32 W.  
 Randolph (Air; Steam) ..D  
 Shaw, Willis, N. Y. Life  
 Bldg. (Centrifugal) ....E  
 Stier Mfg. Co., Herman  
 (Beer) .....D  
 Temple Pump Co. (Chain;  
 Windmill; Wooden; Pur-  
 tifying; Rubber Bucket), A  
 Trenkhorst, Frank (Beer), F  
 Union Elevator & Mach. Co.  
 144 Ontario (Centrifugal;  
 Contractors' for Sewers;  
 Foundations; Diaphragms) ..C  
 Weir & Craig Mfg. Co.,  
 2439 Wallace (Boiler Feed  
 Creamery Hydraulic; Min-  
 ing; Steam) .....D  
 Wells Steam Pump Wks.,  
 F. C., 116 S. Clinton (Air;  
 Acid; Steam; Boiler Feed;  
 Hydraulic; Mining; Sugar  
 House; Steam; Tank;  
 Water Works; Gas  
 Works; Brewery; Circu-  
 lating; Combined Air Cir-  
 culating; Combined Boiler  
 Pump; Combined Vacuum  
 Water; Distillery Drain-  
 age; Fire; Hotel; Hy-  
 draulic Pressure; Irriga-  
 ting; Lard; Locomotive;  
 Low Pressure; Marine;  
 Oil; Oil Line; Quarry;  
 Soap; Slinger; Hand Suc-  
 tion; Tannery; Vacuum;  
 Vinegar; Wrecking) ...AA  
 Wilson & Co., F. Cortez  
 (Galvanized; Brass; Cop-  
 per; Measuring; Oil; Tin) ..B  
 Wolf Co., Fred W. (Ice  
 Manufacturing; Sugar  
 House) .....AAA  
**ILL.—Decatur**  
 Decatur Lumber & Mfg. Co.  
 (Wooden) .....B  
 Oakes, Wm. L. (Steam) ..D  
**ILL.—Du Quoin**  
 Blakeslee Mfg. Co. (Inc.)  
 (Air; Bilge; Boiler Feed;  
 Elevator; Hydraulic; Irriga-  
 ting; Mining; Steam;  
 Tank; Vacuum; Wreck-  
 ing; Acid; Brewery; Fire;  
 Jet; Marine; Oil; Quarry;  
 Sugar House; Tannery;  
 Duplex Steam) .....B  
**ILL.—Elgin**  
 Elgin Wind Power & Pump  
 Co. (Windmill) .....B  
**ILL.—Evanston**  
 Comstock, A. S. (Motor-  
 Driven Air) .....C  
**ILL.—Freeport**  
 Stover Mfg. Co. (Irriga-  
 ting) .....AA  
 Woodmanse Mfg. Co.  
 (Hand) .....A  
**ILL.—Galesburg**  
 Frost Mfg. Co. (Steam) ..A  
 May Bros. (Force) .....B  
**ILL.—Galva**  
 Hayes Pump & Planter Co.  
 (Cistern; House; Wind-  
 mill; Force; Lift; Tank;  
 Chain; Rotary Force) ...A  
**ILL.—Grafton**  
 Rippley Hdw. Co. (Spray-  
 ers) .....C  
**ILL.—Harvey**  
 Austin Mfg. Co., F. C.  
 (Hand; Steam; Irriga-  
 ting) .....AAA  
**ILL.—Kewanee**  
 Peters Pump Co. (Tank;  
 Windmill) .....A  
**ILL.—Moline**  
 Moline Pump Co. (Hand  
 Boiler Feed; Cistern;  
 Force; Lift; Windmill;

**PUMPS (Con.)**  
 Chain; Wooden; Hand  
 Suction) .....A  
**ILL.—Ottawa**  
 Porter Co., J. E. (Force;  
 Lift; Spray; Tank) ....A  
**ILL.—Peoria**  
 Avery Planter Co. (Hand)  
 AAA  
**ILL.—Quincy**  
 Gardner Governor Co. (Boil-  
 er Feed; Elevator; Tank;  
 Steam) .....AA  
**ILL.—Rockford**  
 Love Mfg. Co., M. A.  
 (Tank) .....B  
 Trahern Pump Co. (Force;  
 Lift; Spray; Tank; Iron) ..A  
 Ward Pump Co. (Irrigating;  
 Tank) .....B  
**ILL.—Sandwich**  
 Sandwich Mfg. Co. (Spray;  
 Hand Force; Iron; Wind-  
 mill) .....AA  
**ILL.—Springfield**  
 Aetna Fdry. & Mach. Co.  
 (Boiler Feed; Steam) ..B  
**ILL.—Sterling**  
 Charter Gas Engine Co.  
 (Irrigating) .....A  
 Novelty Iron Wks. (Force;  
 Lift) .....E  
**IND.—Anderson**  
 Hill Machine Co. (Boiler  
 Feed; Deep Well; Juice;  
 Mining; Power; Steam;  
 Hand Force; Hydraulic  
 Pressure; Tank; Water  
 Motor) .....E  
**IND.—Brazil**  
 Crawford & McCrimmon Co.  
 (Boiler Feed; Mining;  
 Steam) .....A  
**IND.—Butler**  
 Butler Co. (Windmill) ....B  
**IND.—Connersville**  
 Connersville Blower Co.  
 (Rotary Force) .....A  
 Roots Co., P. H. & F. M.  
 (Boiler Feed; Electric;  
 Elevator; Irrigating; Min-  
 ing; Pneumatic; Force  
 Rotary; Steam; Sugar  
 House; Tank; Water  
 Works; Wrecking; Air;  
 Air Pressure; Rotary  
 Fire; Gas; Rotary) ...AA  
**IND.—Fort Wayne**  
 Bowser Co., S. F. (Varnish;  
 Paint; Oil) .....A  
 Wayne Mfg. Co., Anthony  
 (Oil) .....X  
**IND.—Goshen**  
 I. X. L. & Goshen Pump  
 Co. (Chain; Wooden; Por-  
 celain-Lined) .....B  
 Kelly Fdry. & Machine Co.  
 (Tank) .....A  
**IND.—Green Castle**  
 Cole Bros. Lightning Rod  
 Co. (Wooden) .....A  
**IND.—Indianapolis**  
 Armstrong & Co., Wm. H.  
 (Stomach) .....B  
 Commercial Electric Co.  
 (Electric) .....A  
 Dean Bros. Steam Pump  
 Wks. (Twin Cylinder Air;  
 Boiler Feed; Elevator;  
 Mining; Steam; Sugar  
 House; Vacuum; Wreck-  
 ing; Brewery; Circulating  
 Combined; Boiler; Pump;  
 Distillery; Duplex Fly-  
 wheel; Fire; Duplex  
 Steam; Plunger; Tank;  
 Well; Artesian; Deep  
 Well) .....AA  
 Everett, J. A. (Sprayers;  
 Power Distributors) ....B  
**IND.—Kendallville**  
 Flint & Walling Mfg. Co.  
 (Artesian Well; Cistern;  
 Force; Lift; Irrigating;  
 Orchard Spray; Tank;  
 Windmill; Hand Brass;  
 Iron; Mining; Pitcher;  
 Power; Rotary; Hand  
 Suction; Well; Deep  
 Well) .....AA



**PUMPS (Con.)**

**IND.—Lafayette**  
Biggs Pump Co., B. F.  
(Chain; Hand; Wooden) A

**IND.—Lowrenceburg**  
Cook, A. D. (Artesian Well;  
Steam; Hand Suction;  
Tank) .....B

**IND.—Mishawaka**  
Perkins Windmill Co.  
(Windmill) .....A

**IOWA—Burlington**  
Murray Iron Wks. Co.  
(Steam) .....A

**IOWA—Cedar Falls**  
Harris & Cole Bros.  
(Wooden) .....AA

**IOWA—Cedar Rapids**  
Cedar Rapids Pump Co.  
(Chain; Cistern; Spray;  
Tank) .....AA

Chandler Pump Co. (Wind-  
mill) .....AA

Cherry Co., J. G. (Com-  
bined; Creamery Engine)

**IOWA—Davenport**  
Red Jacket Mfg. Co.  
(Force; Lift; Irrigating;  
Spray; Tank; Rubber  
Bucket Chain; Hand;  
Windmill) .....A

**IOWA—Des Moines**  
Dempster Mfg. Co. (Tank;  
Windmill) .....B

Globe Machy. & Supply Co.  
418 W. Court Av. (Steam)  
B

**IOWA—Dubuque**  
McDonald & Morrison Mfg.  
Co., A. Y. (Brass; Chain;  
Force; Lift; Spray;  
Tank; Cistern; Wooden;  
Pitcher; Well; Windmill)  
AA

Smedley Steam Pump Co.  
(Steam) .....B

**KANS.—Enterprise**  
Ehram & Sons Mfg. Co., J.  
B. (Hand) .....B

**KANS.—Fort Scott**  
Fort Scott Fdry. & Machine  
Co. (Elevator; Horse  
Power) .....H

**KANS.—Leavenworth**  
Great Western Mfg. Co.  
(Rotary Force; Power;  
Irrigating; Mining; Ro-  
tary) .....AA

**KY.—Louisville**  
Natl. Fdry. & Mach. Co.  
(Acid; Air; Ammonia;  
Artesian Well; Boiler  
Feed; Deep Well; Eleva-  
tor; Gas Compressing;  
Hydraulic; Irrigating;  
Mining; Steam; Sugar  
House; Tank; Vacuum;  
Water Works; Wrecking)  
A

**LA.—New Orleans**  
Coleman, H. Dudley (Cellar;  
Centrifugal; Steam) ..D

**MD.—Baltimore**  
Crook-Horner & Co., 303 N.  
Howard (Brass; Force;  
Lift) .....A

Begeister & Sons, J. (Steam  
Boiler Feed) .....A

**MASS.—Andover**  
Tyer Rubber Co. (Breast)  
AA

**MASS.—Athol**  
Athol Pump Co. (Cistern;  
Copper; Force; Lift) ...H

**MASS.—Boston**  
Ashton Valve Co. (Hy-  
draulic Test) .....A

Boston & Lockport Block  
Co., 142 Commercial  
(Ship; Diaphragm; Rub-  
ber Diaphragm) .....A

Crosby Steam Gauge &  
Valve Co., 95 Oliver  
(Boiler Testing; Air;  
Steam Boiler Feed; Rail-  
way; Hydraulic Test).AA

Davidson Rubber Co.  
(Breast) .....A

Edson Mfg. Co., 257 Atlan-  
tic Av. (Contractors' for  
Sewers; Foundations;

**PUMPS (Con.)**

Force; Lift; Diaphragm;  
Manhole; Sinking;  
Mining; Prospecting; Ship  
Deck; Drainage Hand  
Hand Force; Marine Bilge  
Boat; Hand Suction; Tan-  
nery; Trench; Odorless  
Vault; Cesspool) .....B

Hersey Mfg. Co., 314 W.  
2d (Soap Rotary; Acid;  
Beer; Ale; Brewery; Dis-  
tillery; Force; Rotary  
Force; Iron; Lard; Mo-  
lasses; Oil Refinery;  
Plantation; Power; Juice;  
Rotary; Sugar House;  
Syrup; Tannery).....AA

Mason Regulator Co., 6th &  
Olive (Air; Boiler Feed;  
Steam) .....A

Morse & Son, Andrew J.  
(Fire) .....B

Strater & Sons, Herman  
(Air; Beer; Ale).....A

Walworth Mfg. Co., 132  
Federal (Steam; Steam  
Boiler Feed) .....AAAA

**MASS.—Fitchburg**  
Blake Steam Pump Co., W.  
H. (Boiler Feed; Steam;  
Tank) .....X

**MASS.—Florence**  
Norwood Engineering Co.  
(Steam Boiler Feed)...B

—Haydenville  
Haydenville Co. (Brass;  
Force; Lift; Beer; Ale;  
Hand Suction) .....A

**MASS.—Holliston**  
Wilder & Co., Sidney (Air  
Chamber; Cistern; Copper;  
Deep Well; Force; Lift;  
Hand) .....E

**MASS.—Holyoke**  
Deane Steam Pump Co.  
(Acid; Admiralty; Air;  
Ammonia; Beer; Ale;  
Bleaching; Steam Boiler;  
Feed; Brewery; Circulat-  
ing; Cistern; Combined  
Boilers; Pumps; Combined  
Vacuum; Water; Crank;  
Distillery; Mash; Drain-  
age; Duplex Flywheel;  
Electric; Elevator.. Fil-  
ter Press; Steam Force;  
Fire; Fountain; High  
Pressure; Hydraulic; Ice  
Manufacturing; Irriga-  
ting; Lard; Low Pressure;  
Marine; Bilge; Boat;  
Ship; Mining; Sinking;  
Molasses; Oil Line; Oil;  
Oil Refinery; Oil Tank;  
Paper Mill; Plantation;  
Pulp Mill; Quarry; Sewer-  
age; Steam; Stuff; Com-  
pound Steam; Plunger;  
Duplex Steam; Sugar  
House; Tank; Tannery;  
Syrup; Vacuum; Vinegar;  
Well; Artesian; Deep  
Well; Windmill; Wreck-  
ing; Soap) .....AAAA

Holyoke Machine Co. (Hy-  
draulic; Rotary; Fire; Ro-  
tary; Power; Size)....AA

**MASS.—Lawrence**  
Emerson Mfg. Co. (Centri-  
fugal) .....C

Lawrence Machine Co. (Centri-  
fugal; Contractors' for  
Sewers; Foundations;  
Electric; Sand; Dredging;  
Steam; Acid; Steam  
Boiler Feed; Brewery; Ir-  
rigating; Mining; Tank)  
X

Lowell Machine Shop (Hy-  
draulic) .....AAAA

**MASS.—Newburyport**  
Russell & Sons, Albert  
(Fire; Marine; Sewerage)  
O

**MASS.—Orange**  
Hunt-Rodney Mach. Co.  
(Rotary; Rotary Fire).A

**MASS.—Pittsfield**  
Jones & Son Co., E. D.  
(Steam Boiler Feed;  
Fire; Rotary Fire; Ro-

**PUMPS (Con.)**  
 tary) .....B  
 Lenox Chemical Co. (Spraying Apparatus) .....D  
**MASS.—Springfield**  
 Elektron Mfg. Co., 60 Wilbraham Road (Electric).A  
 Gilbert & Barker Mfg. Co. (Air) .....A  
 Hercules Float Wks. (Air Chamber) .....D  
**MASS.—Warren**  
 Warren Steam Pump Co. (Air; Condensers; Boiler Feed; Deep Well; Power; Steam) .....A  
**MASS.—Worcester**  
 Cleveland Machine Wks. (Hydraulic) .....A  
**MICH.—Adrian**  
 Church Mfg. Co. (Pneumatic Spray; Barrel).....X  
**MICH.—Battle Creek**  
 Amer. Steam Pump Co. (Air; Air Lift; Artesian Well; Boiler Feed; Creamery; Deep Well; Hydraulic; Sinking; Sugar House; Steam; Tank; Vacuum) .....AAA  
 Nichols & Shepard Co. (Low Down Tank).AAAA  
 Union Steam Pump Co. (Acid; Direct Acting Air; Artesian Well; Automobile; Boiler Feed; Creamery; Elevator; Hydraulic; Hydraulic Proving; Mining; Sinking; Fruit Spraying; Steam.. Sugar House; Tank; Vacuum)...AA  
**MICH.—Benton Harbor**  
 Morrill & Morley (Spray)A  
**MICH.—Detroit**  
 American Injector Co. (Jet)D  
 Globe Brass Wks., 15 Macomb (Hydraulic).....D  
 Great Lakes Engineering Wks., Rivard & Detroit River (Centrifugal)....A  
 Huettelman & Cramer Co. (Duplex Air; Cellar)....A  
**MICH.—Fenton**  
 Walker Mfg. Co. (Power up to 100,000 Gallons daily; Steam) .....D  
**MICH.—Kalamazoo**  
 Kalamazoo Tubular Well Co. (Well) .....D  
 Phelps & Bigelow Windmill Co. (Windmill) .....B  
**MICH.—Lansing**  
 Maud S. Windmill & Pump Co. (Windmill) .....B  
**MICH.—Manistee**  
 Manistee Iron Wks. Co. (Steam) .....C  
**MICH.—Muskegon**  
 Rodgers Iron Mfg. Co. (Steam) .....B  
**MICH.—Owosso**  
 Castre & Son (Steam)....A  
**MICH.—Traverse City**  
 Potato Implement Co. (Sprayers; Atomizers; Powder Guns) .....D  
**MINN.—Albert Lea**  
 Sharp Mfg. Co. (Windmill)X  
**MINN.—Faribault**  
 Winter Co., F. W. (Tank)D  
**MINN.—Minneapolis**  
 Bradley, Clark & Co. (Inc.) (Wooden) .....A  
 Crown Iron Wks. Co. (Steam) .....B  
 Howell & Co., R. R. (Boiler Feed; Tank; Centrifugal; Hydraulic Test; Well) .....B  
 Minneapolis Steel & Machy. Co., Minnehaha Av. & 29th (Air; Boiler Feed; Steam; Water Works)..AAA  
**MO.—Carthage**  
 Carthage Fdry. & Mach. Co. (Steam) .....C

**PUMPS (Con.)**  
**MO.—Kansas City**  
 Kansas City Hay Press Co. (Centrifugal) .....AA  
 Urle Boller & Machine Co. (Centrifugal; Tank; Sand; Water; Dredging).....B  
 Weber Gas & Gasoline Engine Co. (Irrigating)....A  
**MO.—St. Joseph**  
 St. Joseph Pump & Mfg. Co. (Chain; Elevator; Rubber Bucket Chain; Irrigating Steam) .....B  
**MO.—St. Louis**  
 Brecht Butchers' Supply Co. G. V., 1201 Cass Av. (Ham) .....AAAA  
 Cook Well Co., 15 S. 4th (Artesian Well; Deep Well; Steam; Windmill)O  
 Emerson Electric Mfg. Co., 718 St. Charles (Electric) .....A  
 Frits, Geo. J. (Steam; Boiler; Feed; Doctor).....B  
 Hooker Steam Pump Co., 101 N. 3d (Boiler Feed; Mining; Steam).....X  
 Nelson Mfg. Co., N. O. (Wooden) .....AAA  
 Reliance Mach. & Tool Wks. (Air; Boiler Feed; Steam)AAA  
 West St. Louis Mach. & Tool Co. (Vacuum)....E  
**NEBR.—Beatrice**  
 Dempster Mill Mfg. Co. (Iron; Wooden) .....AA  
**N. H.—Keene**  
 Humphrey Mach. Co. (Force Rotary; Centrifugal)...C  
**N. H.—Lancaster**  
 Thompson Mfg. Co. (Steam)B  
**N. J.—Camden**  
 Camden Iron Wks. (Steam)A  
 Webster, Warren & Co. (Steam) .....AA  
**N. J.—Dover**  
 Morris County Mach. & Iron Co. (Cornish; Mining).B  
**N. J.—Elizabeth**  
 Braunsdorf-Muller Co. (Bicycle) .....D  
**N. J.—Hightstown**  
 Peppler, Thos. (Spray)...D  
 Shangle, Jno. B. (Spray).C  
**N. J.—Jersey City**  
 Maslin & Son, Jno., 163 1st (Centrifugal; Hydraulic; Mining; Steam; Vacuum)D  
 Swenson, J., ft. of Warren (Wrecking) .....B  
**N. J.—Moorestown**  
 Doughton, H. W. (Spray).B  
**N. J.—Newark**  
 Burroughs Co., Chas., 141 Commerce (Centrifugal; Hydraulic) .....X  
 Chambers & Ainslie (Beer; Ale) .....C  
 Mundy, J. S. (Centrifugal)A  
**N. J.—Trenton**  
 Trenton Iron Co. (Combined Steam; Farm Engines).A  
**N. Y.—Albany**  
 Albany Steam Trap Co. (Steam; Steam Boiler Feed) .....D  
 Townsend Furnace & Mach. Shop Co. (Hydraulic)...B  
**N. Y.—Amsterdam**  
 Smeallie Bros. (Boiler Feed; Steam; Tank)....D  
**N. Y.—Auburn**  
 Leather & Brass Mfg. Co. (Automatic; Bicycle)...F  
**N. Y.—Baldwinsville**  
 Morris Mach. Wks. (Belt-Driven; Bilge; Brass; Centrifugal; Electric Centrifugal; Hydraulic; Hydraulic Dredging; Irrigating; Mining; Sand; Steam; Acid; Wrecking; Bleaching; Circulating Drainage; Iron; Porcelain-Lined; Ice Manufacturing;

# **PUMPS (Con.)**

Paper; Pulp Mill; Phosphate Dredging; Quarry; Sewerage; Ship Ballast; Stuff; Tannery) .....AA  
**N. Y.—Belmont**  
 Clark Bros. (Hand).....A  
**N. Y.—Brooklyn**  
 Bliss Co., E. W., 19 Adams (Elevator; Force; Lift; Tank; Irrigating; Artesian Well; Vacuum)....AAAA  
 Carpenter, Thos. D., 93 Pearl (Steam; Vacuum) B  
 Clayton Air Compressor Works, Rapelyea Av. (Tar) .....X  
 Foster Pump Wks. (Inc.), 36 Bridge (Air; Air Lift; Ammonia; Artesian Well; Boiler Feed; Deep Well; Rotary; Steam; Tank) B  
 Guild & Harrison, Kent Av. & S. 10th (Filter Press; Steam; Vacuum; Acid; Air; Ammonia; Duplex Flywheel; Rotary Force; Steam Force; Hydraulic; Mining; Oil Refining; Plantation; Combined Steam Pumps; Farm Engines; Salt Water; Duplex Steam; Sugar House)....B  
 Hubbard's Sons, Norman 265 Water (Steam; Vacuum) .....D  
 Pioneer Iron Wks., William & King (Belt-Driven; Sugar House; Wet Vacuum) .....A  
 Robertson & Co., Jno., 129 Water (Hydraulic)....AA  
**N. Y.—Buffalo**  
 Buffalo Forge Co. (Boiler; Juice; Vacuum; Feed; Irrigation) .....AAA  
 Dopp Co., H. W. (Rotary) D  
 Lazier Gas Engine Co. (Vertical Power Force; High Duty Triplex Power)....E  
 Lobe Pump & Machy. Co., 150 Terrace (Rotary)....F  
 Noye Mfg. Co. (Run by Belt Boiler Feed; Steam Boiler Feed; Combined Boilers; Pumps) .....X  
 Queen City Engineering Co. (Cistern; Steam) .....C  
 Sherwood Mfg. Co. (Oil) B  
 Stewart Heater Co. (Boiler Feed; Power; Steam; Tank; Plunger) .....D  
 Taber Pump Co., Swan, cor. Ellicott (Rotary; Steam) C  
**Wright & Co., R. G. (Oil)** AA  
**N. Y.—Catskill**  
 Gaylord, J. F. (Spray)....D  
**N. Y.—Elmira**  
 Amer.-La France Fire Engine Co. (Fire).....B  
 Wyckoff & Son Co., A. (Chain) .....B  
**N. Y.—Gasport**  
 Friend Mfg. Co. (Spray).F  
**N. Y.—Lockport**  
 Holly Mfg. Co. (Electric; Power; Steam).....X  
 Trevor Mfg. Co. (Boiler Feed; Steam Boiler Feed; Centrifugal; High Pressure; Pulp Mill; Pressure) B  
**N. Y.—Malden Bridge**  
 Hoes, Robert (Hand) ....E  
**New York City**  
 Abbe Engineering Co. (Rotary) .....D  
 Abendroth & Root Mfg. Co. (Cellar; Bilge; Boat; Hand Suction) .....A  
 Alberger Condenser Co., 95 Liberty (Vacuum) .....B  
 Amer. Air Compressor Wks. 26 Cortlandt (Carbonic Acid Gas; Vacuum Air Lift) .....F  
 Ashcroft Mfg. Co., 85 Liberty (Test; Steam Boiler Feed; Gas Proving)....A

# **PUMPS (Con.)**

Bacon, Earle C., 26 Cortlandt (Centrifugal; Mfrs. Agt. Steam).....B  
 Bishop's Sons, Wm., 205 South (Brass; Copper; Brass Deck Fire).....D  
 Cameron Steam Pump Wks., A. S., ft. E. 23d (Air; Automatic; Belt-Driven; Boiler Feed; Deep Well; Hydraulic; Irrigating; Mining; Power; Sinking; Steam; Sugar House; Tank; Water Works; Combined Boilers; Pumps; Steam Force; Vacuum; Artesian Well) .....AAA  
 Corcoran, Andrew J., 11 John (Force; Lift; Windmill; Tank) .....B  
 Craft, Jesse, 280 Front (Centrifugal; Contractors' for Sewers; Foundations) E  
 Davidson, M. T., 141 B'way (Air; Boiler Feed; Electric; Elevator; Hydraulic; Mining; Steam; Sugar House; Wrecking).....A  
 Deeley & Co., Robert (Juice; Steam; Sugar House; Vacuum; Well)....AA  
 Eaton, Cole & Burnham Co. (Plumbers') .....AAAA  
 Edwards & Co., Jos., 412 Water Centrifugal; Force Lift; Irrigating; Mining; Steam; Circulating; Paper Mill; Drainage; Sewerage; Tannery) .....B  
 Gleason Mfg. Co., E. P., 20 W. Houston (Drip for Gas Companies; Plumbers' Force; Fire; Hand Force; Rotary Force; Garden; Bilge; Ship; Pulp Mill; Rotary; Air; Steam; Hand Suction; Vacuum; Windmill) .....B  
 Golden Gate Mfg. Co. (Beer) .....X  
 Goodyear Rubber Co. (Breast) .....AAAA  
 Goodyear's India Rubber Glove Mfg. Co. (Breast) AAAA  
 Griffing Iron Co., A. A. (Gravity) .....AA  
 Haas & Son, Henry (Bicycle) .....E  
 Hanson & Rhodes, 157 W. 29th (Force; Lift) .....F  
 Huber Co., Henry, 244 5th Av. (Brass) .....D  
 Hydro-Pneumatic Pump Co., 101 Walker (Pneumatic) D  
 Ingersoll & Bro., Robt. H., 51 Maiden Lane (Bicycle) A  
 Ingersoll-Sergeant Drill Co. Havemeyer Bldg. (Air Lift) .....AAAA  
 International Steam Pump Co., 120 Liberty (Air; Electric; Artesian Well; Boiler Feed; Elevator; Hydraulic; Mining; Power; Sinking; Steam; Sugar House; Vacuum; Wrecking) .....AAAA  
 Knapp Mfg. Co., 22 Frankfort (Plumbers') .....D  
 Krajewski-Pesant & Co. (Steam) .....AA  
 Lawler Water, Feed & Damper Regulator Co., 20 W. Houston (Air; Brass; Cistern; Diaphragm; Hydraulic; Plumbers'; Test) F  
 McKlerman Drill Co., 120 Liberty (Air Lift) ....X  
 McNabe & Harlin Mfg. Co., 58 John (Force & Lift; Rotary) .....AAA  
 Manhattan Brass Co. (Bicycle) .....A  
 Marine Engine & Machine Co., 1123 B'way (Hy-

- PUMPS (Con.)**  
 draulic; High Duty Hydraulic Elevator Service) B  
 Mattson Rubber Co. (Breast) ..... E  
 Mietz, August, 128 Mott (Force & Lift) ..... A  
 Nason Mfg. Co., 71 Bleekman (Boiler Feed; Brass; Force & Lift; Combined Heater & Boiler; Siphon) B  
 New York Air Brake Co., 66 B'way (Air; Electric; Vacuum) ..... AAAA  
 New York Safety Steam Power Co. (Combined Boiler & Heater) ..... B  
 Pierce Well Engineering & Supply Co., 136 Liberty (Well; Windmill; Deep Well; Artesian Well) .. D  
 Power Specialty Co., 128 Liberty Irrigation) ..... E  
 Pulsometer Steam Pump Co., 135 Greenwich (Mining; Steam; Contractors'; for Sewers & Foundations) ..... D  
 Quimby, W. E., (Inc.) 141 B'way (Automatic; Belt-Driven; Direct Connected Electric; Elevator; Oil; Power; Sinking; Sugar House; Tank) ..... B  
 Rand Drill Co., 128 B'way (Air Lift) ..... AAAA  
 Reilly Bros. (Painters' Oil) ..... D  
 Reynolds Plumbers' Supply Co., M., 25 Centre (Brass; Force & Lift) ..... B  
 Sands & Son, Alfred B., 134 Bleekman (Copper; Ship & Dek; Brass; Bilge) .. D  
 Schneible Co., Jos. (Brewers' Air; Pressure) ..... B  
 Steeger, Henry (Gas Main Foring) ..... A  
 Stoutenborough, X. (Cellar; Boat; Tin) ..... D  
 Toombs, Samuel (Beer & Ale) ..... A  
 Trageser Steam Copper Wks., Jno (Bicycle) .. B  
 Watson-Stillman Co., 210 E. 43d (Hydraulic; Steam; Hydrostatic Press) A  
 Wheeler Condenser & Engineering Co., 120 Liberty (Air for Marine Engines; Improved Centrifugal; Steam) ..... A  
 Worthington Pumping Engine Co. (Acid; Air; Admiralty; Duplex Air; Ammonia; Bleaching; Steam; Boiler Feed; Brewery; Air Pressure; Circulating; Cistern; Combined Air & Boiler Feed; Combined Air & Circulating; Combined Boilers & Pumps; Combined Injection & Refrigerators; Combined Vacuum & Water; Cooler; Cotton Press; Crank; Diaphragm; Distillery; Mash; Drainage; Duplex; Elevator; Fire; Rotary Fire Steam Force; High Pressure; Hydraulic Pressure; Hydraulic; Ice Manufacturing; Irrigating; Lard; Low Pressure; Marine; Bilge; Ship; Mining; Sinking; Oil Line; Oil Refinery; Oil Tank; Power; Juice; Sewerage; Salt Water; Compound; Duplex & Vertical Steam; Sugar House; Tank; Tannery; Syrup; Hydraulic Test; Vacuum; Wrecking) ..... AAAA  
 N. Y.—Niagara Falls Dobbie Fdry. & Mach. Co. (Centrifugal) ..... D  
 N. Y.—North Tonawanda Buffalo Steam Pump Co. (Power; Steam; Tank) A
- PUMPS (Con.)**  
 N. Y.—Oswego Kingsford Fdry. & Mach. Wks. (Centrifugal; Steam Wrecking) ..... AAAA  
 N. Y.—Rochester Clark Novelty Co. (Vacuum) ..... D  
 Sargent & Greenleaf Co. Vacuum) ..... AA  
 N. Y.—Rome Rome Mfg. Co. (Bicycle & Auto) ..... B  
 N. Y.—Sandy Hill Friction Pulley & Mach. Co. (Centrifugal for Paper Mills, etc.; Stuff) ... B  
 Sandy Hill Iron & Brass Wks. (Fan; Stuff) ..... A  
 N. Y.—Schenectady General Electric Co. (Electric) ..... AAAA  
 N. Y.—Seneca Falls Amer.-La France Fire Engine Co. (Fire; Piston & Rotary Fire; Rotary Force; Garden Sprinkling; Power; Quarry; Wrecking) ..... B  
 Gleason-Bailey & Sciple Mfg. Co. (Ltd.) (Boiler Feed; Cistern; Force; Hydraulic; Anti-Freezing; Beer & Ale; Centrifugal; Chain; Hydraulic Pressure) ..... D  
 Goulds Mfg. Co. (Air; Boiler Feed; Boiler Testing; Brass; Centrifugal; Cistern; Cornish; Deep Well; Electric; Elevator; Lift; Force; Hydraulic; Irrigating; Mining; Plumbers'; Rotary; Ship; Deck; Spray; Steam; Sugar House; Tank; Hydraulic Test; Vacuum; Windmill; Ammonia; Centrifugal; Fire; Rotary Force; Garden Sprinkling; Gas Engine; Power; Vertical Steam; Hand Suction) .... AAA  
 Rumsey & Co. (Ltd.) (Inc.) (Air; Boiler Feed; Diaphragm; Electric; Elevator; Force & Lift; Hydraulic; Irrigating; Mining; Plumber's; Ship & Deck; Steam; Sugar House; Tank; Windmill; Ammonia; Anti-Freezing; Beer & Ale; Hand Boiler Feed; Fire; Rotary Fire; Hand Rotary Force; Fountain; Garden Sprinkling; Portable; Orchard Force; Spray and Sprinkling; Gas Drp; Greenhouse; Ham; Hand Brass & Iron; Horse Power; Hydraulic Pressure; Bilge & Ship; Molasses; Oil; Pitcher; Power & Pulp Mill; Rotary; Hand Suction; Hydraulic Test; Well; Well Force & Drive Well) ..... A  
 N. Y.—Syracuse Baldwinsville Centrifugal Pump Wks., 715 W. Fayette (Electric; Belt-Driven; Boiler Feed; Centrifugal; Contractors' for Sewers; Foundations; Creamery; Deep Well; Gas Engine Starting; Hydraulic Dredging; Irrigating; Sand; Dredging; Steam; Wrecking; Bleaching; Circulating; Combined; Mash; Elevator; Filter Press; Brass; Mining; Power; Paper Mill; Quarry... Salt Water; Sewerage; Plunger; Tannery; Triplex; Artesian Well; Deep Well) ..... C  
 Boomer & Boschert Press Co. (Hydraulic) ..... A  
 Howard & Jennings (Rubber Bucket; Chain; Wooden) ..... D

**PUMPS (Con.)**

Van Wie, Irvin (Suction). C  
 N. Y.—Troy  
 Bernard Co., E. G. (Elev-  
 tric) ..... D  
 Knowleson & Kelly (Steam)  
 B  
 N. Y.—Utica  
 Childs & Co., Chas. H.  
 (Electric Spray) ..... A  
 Eureka Mower Co.  
 (Atomizers) ..... A  
 Millar & Son Co., Chas.  
 (Force; Lift) ..... AA  
 Smith & Co., D. B.  
 (Bicycle; Spray) ..... B  
 N. Y.—Watertown  
 Bagley & Sewell Co.  
 (Rotary & Reciprocating  
 Stuff) ..... AA  
 N. C.—Charlotte  
 Mecklenburg Iron Wrks.  
 (Mining) ..... X  
 N. C.—Hickory  
 Latta-Martin Pump Co.  
 (Pneumatic) ..... D  
**OHIO—Akron**  
 Webster Camp & Lane  
 Mach. Co. (Mining) ..... A  
 AAAAA  
 Whitman & Barnes Mfg. Co.  
 (Spray; Tank) ..... AAAAA  
**OHIO—Alliance**  
 Morgan Engineering Co.  
 (Hydraulic) ..... AAAAA  
**OHIO—Ashland**  
 Myers & Bro., F. E. (Boiler  
 Feed; Cistern; Deep Well;  
 Force; Lift; Irrigating;  
 Power; Spray; Syphon;  
 Tank; Windmill; Hand  
 Suction) ..... AAAAA  
**OHIO—Canton**  
 Berger Mfg. Co. (Spray;  
 Orchard Spray; Lift) ..... AA  
 Canton Pump Co. (Boiler  
 Feed; Elevator; Hydraul-  
 ic; Steam) ..... B  
 Gibbs Mfg. Co. (Measuring)  
 A  
 Hurst Mfg. Co., H. L.  
 (Spray) ..... F  
 Kohler & Co., F. E. (Spray)  
 B  
**OHIO—Cincinnati**  
 Blymyer Iron Wrks. Co.  
 (Hand or Power Juice) ..... B  
 Fritch Mfg. Co., Francis,  
 223 W. McMicken Av.  
 (Air) ..... X  
 Kirkup & Co., Robt., 620  
 Lodge (Brass; Force;  
 Lift; Plumbers') ..... O  
 Laidlaw-Dunn-Gordon Co.  
 (Acid; Air; Duplex Air;  
 Ammonia; Beer; Ale;  
 Steam; Boiler Feed;  
 Brewery; Circulating;  
 Combined Air; Circulat-  
 ing; Combined Boilers;  
 Pumps; Combined Va-  
 cuum; Water; Crank; Dis-  
 tillling; Mash; Drainage;  
 Elevator; Filter Press;  
 Fire; Steam; Force; Gas  
 Works; High Pressure;  
 Hydraulic; Irrigating; Low  
 Pressure; Marine; Bilge;  
 Ship; Mining; Sinking; Oil  
 Line; Oil Refinery; Plan-  
 tation; Power; Quarry;  
 Salt Water; Sewerage;  
 Compound; Duplex;  
 Steam; Plunger; Vertical  
 Steam; Stuff; Handy Suc-  
 tion; Sugar House; Syrup;  
 Tank; Tannery; Vacuum;  
 Artesian; Deep Well;  
 Wrecking) ..... AAAAA  
 McGowan Co., Jno. H., 56  
 Central Av. (Boiler Feed;  
 Cistern; Deep Well; Elec-  
 tric; Elevator; Force;  
 Lift; Hydraulic; Irrigat-  
 ing; Mining; Steam;  
 Tank; Water Works; Ver-  
 tical Steam) ..... A  
 Macleod & Co., Walter, 463  
 E. Front (Contractors';  
 for Sewers; Foundations)  
 B  
 Murdock & Co., J. G., 428  
 Plum (Brass; Force; Lift;

**PUMPS (Con.)**

Plumbers) ..... A  
 Powell Co., Wm., 2525  
 Spring Grove Av. (Force;  
 Lift; Plumbers'; Oil) .. A  
 Vandusen Co., E. W., 428  
 E. 2d (Ship; Deck; Steam)  
 D  
**OHIO—Cleveland**  
 Bishop & Babcock Co. (Bi-  
 cycle; Vacuum Hydraulic;  
 Beer; Ale) ..... AAA  
 Burton & Johnson, 107 W.  
 Centre (Air; Mining;  
 Steam) ..... F  
 Cleveland Faucet Co. (Beer;  
 Ale) ..... AAAA  
 Cleveland Steam Gauge Co.,  
 106 Mervine (Boiler Test-  
 ing) ..... O  
 Loew Supply & Mfg. Co.  
 (Brewers' Air; Pressure;  
 Beer) ..... B  
 Snider-Hughes Co., Coe cor.  
 Hamilton (Air; Elevator;  
 Boiler Feed; Hydraulic;  
 Mining Power; Sinking;  
 Steam; Sugar House; Va-  
 cuum; Wrecking) ..... B  
**OHIO—Columbiana**  
 Columbiana Pump Co.  
 (Force; Lift; Spray;  
 Hand; Iron) ..... B  
**OHIO—Columbus**  
 Chase Fdry. & Mfg. Co.  
 (Deep Well) ..... C  
 Jeffrey Mfg. Co. (Electric)  
 AAAAA  
 Ohio Pump & Brass Co., 18th  
 & Oak (Physicians'; Sur-  
 geons' Hydraulic Air) .. C  
 Pulling & Co., James G.  
 (Air; Boiler Feed; Deep  
 Well; Hydraulic; Mining;  
 Power; Steam; Vacuum;  
 Acid; Brewery; Centrif-  
 ugal; Circulating; Combin-  
 ed Boilers; Pumps; Dis-  
 tillery; Elevator; Fire; Ir-  
 rigating; Lard; Pow Pres-  
 sure; Molasses; Oil; Oil  
 Line; Oil Refinery; Plan-  
 tation; Plumbers; Quarry;  
 Sewerage; Vertical Steam;  
 Artesian Well) ..... B  
**OHIO—Dayton**  
 Buckeye Iron & Brass Wrks.  
 (Hydraulic) ..... AA  
 Roberts Co., Geo. J. (Boiler  
 Feed; Mining; Steam) .. A  
**OHIO—Genoa**  
 Genoa Mfg. Co. (Wind-  
 mill) ..... D  
**OHIO—Greenville**  
 Lucas & Co., C. O. (Boiler  
 Feed; Power; Tank) .. F  
**OHIO—Hamilton**  
 Black-Clawson Co. (Fan;  
 Steam; Stuff) ..... AAA  
**OHIO—Kenton**  
 Champion Iron Co. (Hand  
 Force; Iron) ..... AA  
**OHIO—Mansfield**  
 Barnes Mfg. Co. (Brass;  
 Centrifugal; Cistern; Dia-  
 phragm; Force; Lift; Ir-  
 rigating; Plumbers'; Ro-  
 tary; Ship; Deck; Spray;  
 Tank; Windmill; Pitcher;  
 Artesian Well; Boiler  
 Feed) ..... A  
 Humphreys Mfg. Co. (Brass;  
 Centrifugal; Force; Lift;  
 Plumbers' Ship; Deck;  
 Spray; Syphon; Tank;  
 Windmill; Hand Iron;  
 Boiler Feed) ..... B  
 Mansfield Machine Wrks.  
 (Steam; Boiler Feed;  
 Steam) ..... X  
 Phoenix Electric Mfg. Co.  
 (Electric) ..... B  
**OHIO—Marietta**  
 Patten Bros. Co. (Air; Boiler  
 Feed; Steam) ..... B  
**OHIO—Massillon**  
 Hess, Suyder & Co. (Hand  
 Air; Cistern; Deep Well;  
 Force; Lift; Orchard  
 Spray; Hand; Hand Suc-  
 tion; Tank; Well; Wind-  
 mill) ..... AA  
**OHIO—Mt. Gilead**  
 Hydraulic Press Mfg. Co.

**PUMPS (Con.)**

(Hand; Power; Hydraulic)

**OHIO—Salem**

Deming Co. (Air; Steam;  
Hand Boiler Feed; Boiler  
Testing; Brass; Centrifugal  
Cistern; Electric;  
Force; Lift; Pressure Hy-  
draulic; Irrigating; Min-  
ing; Plumbers'; Power;  
Rotary; Ship; Deck;  
Spray; Tank; Windmill;  
Barrel; Air Pressure; Cel-  
lar; Fire; Rotary Force;  
Garden; Greenhouse Force;  
Ham; Molasses; Pitcher;  
Soap; Quarry; Sewerage;  
Hand Suction; Vacuum;  
Well; Deep Well; Well  
Force) .....AA

Silver Mfg. Co. (Ham) ...AA

**OHIO—Sandusky**Klotz Machine Co. (Oscil-  
lating Force) .....C**OHIO—Springfield**

Mast, Foos & Co. (Force;  
Lift; Irrigating; Spray;  
Tank; Windmill; Hand;  
Hand Suction) .....AA  
Thomas Mfg. Co. (Hand;  
Iron) .....AAA

**OHIO—Toledo**

Amer. Pump & Supply Co.  
(Chain) .....C  
Heartley, Geo. W. (Drop;  
Embossing; Foot; Power;  
Riveting; Trimming; Wir-  
ing) .....D

Toledo Fdry. & Mach. Co.  
(Centrifugal) .....B

**OHIO—Upper Sandusky**

Nat'l Steam Pump Co. (Am-  
monia; Artesian Well;  
Boiler Feed; Deep Well;  
Electric; Hydraulic; Min-  
ing; Power; Sinking;  
Steam; Low Duty Tank;  
Water Works) .....B

**OHIO—Youngstown**

Tod & Co., W. (Water  
Works) .....AA

**OHIO—Zanesville**

Griffith & Wedge Co. (Cor-  
nish) .....B

**OREGON—Portland**

Simonds Mfg. Co. (Steam)  
.....AAA

Willamette Iron & Steel  
Wrks. (Steam) .....A

**PA.—Allegheny**

Carlin Mchry. & Supply Co.,  
103 Lacock (Centrifugal)  
.....B

Hall's Steam Pump Co. (Air  
Lift; Boiler Feed; Deep  
Well; Elevator; Hydraulic;  
Mining; Sinking;  
Steam; Combined Air;  
Boiler Feed; Combined  
Boilers; Pumps; Low Pres-  
sure; Power; Duplex; Ver-  
tical Steam; Artisan  
Well) .....A

**PA.—Allentown**

Allentown Fdry. & Mach.  
Wrks. (Hydraulic) ....A

Allentown Rolling Mills  
(Boiler Feed) .....AAA

**PA.—Aahland**

Goyne Steam Pump Co.  
(Goyne Bros., Props.)  
(Mining; Steam) .....B

**PA.—Beaver Falls**

Keystone Driller Co. (Arte-  
sian Well) .....A

**PA.—Birdsboro**

Diamond Drill & Machine  
Co. (Deep Well) .....A

**PA.—Bradford**

Caldwell & Co., E. R. (Gas  
Engine Starting) .....B

**PA.—Bridgeport**

Wilkinson Mfg. Co. (Steam)  
.....B

**PA.—Carbondale**

Carbondale Mach. Co. (Belt-  
Driven) .....AA

Hendrick Mfg. Co. (Ltd.)  
(Power) .....AA

**PA.—Chester**

Wetherill & Co. (Steam;  
Boiler Feed) .....AAAA

**PUMPS (Con.)****PA.—Connellsville**

Boyle, Porter & Co. (Special  
Boiler Feed; Electric;  
Vertical Deep Well; Hy-  
draulic Mining; Sinking;  
Steam; Tank; Brass) ..B  
Connellsville Mach. & Car  
Co. (Mining) .....A

**PA.—Corry**

Ajax Iron Wrks. (Steam;  
Tanners') .....A

**PA.—Downieville**

Downieville Pump Co. (Deep  
Well; Steam) .....B

**PA.—Dowington**

Dowington Mfg. Co. (Ltd.)  
(Centrifugal; Stuff; Hand  
Suction) .....A

**PA.—Erie**

Erie Pump & Engine Co.  
(Centrifugal Contractors;  
for Sewers; Foundations)  
.....C

Jarechi Mfg. Co. (Artesian  
Well; Brass) .....AAAA

Lake City Engineering Co.  
(Centrifugal; Sand; Hy-  
draulic; Hydraulic Dredg-  
ing; Wrecking) .....X

Watson, N. A. (Steam Jet)  
.....A

**PA.—Grove City**

Bessemer Gas Engine Co.  
(Power) .....A

**PA.—Harrisburg**

Harrisburg Mfg. & Boiler  
Co. (Force; Lift) .....A

**PA.—Lancaster**

Eureka Bark Mill Co. (Cen-  
trifugal) .....B

**PA.—Mahanoy City**

Grant Iron Wrks. (Steam)  
.....D

**PA.—Middletown**

Raymond Mfg. Co. (Steam)  
.....X

**PA.—Philadelphia**

Barr Pump Co. (Air; Boiler  
Feed; Hydraulic; Steam;  
Circulating; Fire; Hy-  
draulic Pressure; Marine  
Mining; Duplex Steam;  
Tank; Tannery; Vacuum)  
.....A

Belfield & Co., H., 438 N.  
Broad (Test) .....AA

Blatchley, C. G. (Chain;  
Wooden Force; Wooden)  
.....B

Boekel & Co., Wm., 518 Vine  
(Inclined Air Plumbers';  
Force; Gasfitters Test) ..A

Dallett Co., Thos. H. (Elec-  
tric) .....B

Eccles, James, 2424 Ambler  
(Force; Lift) .....B

Enterprise Mfg. Co., 3d &  
Dauphin (Measuring; Self  
Priming) .....AAAA

Eynon-Evans Mfg. Co., 1519  
Clearfield (Syphon) ....A

Johnson, Jr., & Co., Israel  
H., 1422 Callowhill (Gas  
Compressing; Hydraulic  
Proving) .....A

Kensington Engine Wks.,  
Beach & Vienna (Steam;  
Steam Boiler Feed) ...A

Loneragan & Co., J. E.  
(Oil) .....AA

Nittinger, August (Ham) ..A

Noppel, Emil, 808 Callow-  
hill (Plumbers' Force) ..H

Olsen, Tinus & Co., 500 N.  
12th (Hydraulic) .....A

Perks, Chas., 625 Arch  
(Plumbers' Force; Test)  
.....B

Riehle Bros. Testing Mach.  
Co., 1424 N. 9th (Hy-  
draulic) .....B

Schutte & Koerting Co., 1251  
N. 12th (Syphon; Test;  
Vacuum) .....A

Southwark Fdry. & Mach.  
Co., Washington Av. &  
5th (Steam; Centrifugal;  
Hydraulic; Rotary; High  
Pressure) .....AAA

Ware Co., Walter F.  
(Breast) .....B

Wilbraham-Baker Blower  
Co., 2518 Frankford Av.

## PUMPS (Con.)

(Rotary) .....B  
 Wood & Co., R. D., 400  
 Chestnut (Centrifugal;  
 Steam; Hydraulic; Water  
 Works) .....AAAA  
**PA.—Pittsburg**  
 Chaplin-Fulton Mfg. Co.  
 (Inc.) (Siphon) .....A  
 Epping-Carpenter Co., 41st  
 & A. V. Ry. (Direct Act-  
 ing Artesian Well; Beer;  
 Bilge; Boiler Feed; Brew-  
 ers' Ale; Deep Well; Ele-  
 vator; Hydraulic; Mining;  
 Steam; Sugar House;  
 Tank; Vacuum; Water  
 Works; Wrecking; Air;  
 Duplex Fly Wheel; Hy-  
 draulic Pressure) .....AA  
 Harris Pump & Supply Co.,  
 320 2nd (Brass) .....B  
 Heisler Pumping Engine  
 Co., Westinghouse Bldg.  
 (Boiler Feed; Steam) ...B  
 Pittsburg Valve, Fdry. &  
 Cons. Co. (Steam).....AAA  
 Scaife & Sons Co., Wm. B.,  
 221 1st Av. (Boiler Feed)  
 AAA  
 Rees & Sons Co., James  
 (Steam) .....AA  
 Tranter Mfg. Co., 105 Water  
 (Hydraulic) .....B  
 Wilson-Snyder Mfg. Co.,  
 Ross & Water (Boiler  
 Feed; Hydraulic; Mining;  
 Steam; Wrecking) ....AA  
**PA.—Reading**  
 Seibert, Jno. H., 116 Wash.  
 (Steam) .....B  
**PA.—Scranton**  
 Scranton Steam Pump Co.  
 (Boiler Feed; Power;  
 Steam) .....A  
**PA.—Shamokin**  
 Mullen & Son, Jno. (Min-  
 ing; Steam) .....AA  
**PA.—Sheffield**  
 Woods' Sons, G. R.  
 (Wooden) .....D  
**PA.—Titusville**  
 Smith Pump Co. (Steam)...  
 AA  
 Titusville Iron Co. (Steam)  
 AAA  
**PA.—Waynesboro**  
 Frick Co. (Steam; Boiler  
 Feed) .....AAAA  
**PA.—Wilkesbarre**  
 Vulcan Iron Wks. (Cornish;  
 Steam; Boiler Feed;  
 Steam Force; High Press-  
 ure; Mining; Salt Water;  
 Duplex Steam; Steam)  
 AAAA  
**PA.—Williamsport**  
 Darling Pump & Mfg. Co.  
 (Ltd.) (Artesian Well;  
 Boiler Testing; Brass;  
 Deep Well; Oil) .....B  
**PA.—York**  
 Motter & Sons, Geo. F.,  
 (Air Boiler Feed; Air  
 Pressure; Power) .....O  
 Smith Co., S. Morgan (Ro-  
 tary Fire) .....AAA  
 York Mfg. Co. (Ltd.)  
 (Steam) .....AAA  
**B. I.—Pawtucket**  
 Fales & Jenks Machine Co.  
 (Rotary) .....AAA  
**B. I.—Providence**  
 Brown & Sharpe Mfg. Co.  
 (Centrifugal; Water Tank  
 Geared; Oil; Water for  
 Milling; Gear; Chucking  
 Machines, etc.) .....AAAA  
 Builders' Iron Fdry. (Irri-  
 gation) .....AA  
 Davol Rubber Co. (Breast)  
 AA  
 Harris Steam Engine Co.,  
 Wm. A. (Steam; Boiler  
 Feed) .....B  
**S. C.—Charleston**  
 Charleston Iron Wks. (Cen-  
 trifugal) .....D  
**TENN.—Memphis**  
 Electric Novelty Co., 43  
 Monroe (Cistern) .....F  
**TEXAS—San Antonio**  
 Collins Mfg. Co., F. F.

## PUMPS (Con.)

(Well) .....B  
 Gunther Fdry. Mach. &  
 Supply Co. (Irrigating)...  
 X  
**VT.—Randolph**  
 Brooks, Edw. E. (Garden  
 Sprinkling) .....E  
**VT.—Rutland**  
 Frenier, J. H., Cleveland  
 Av. N. (Mining; Sand  
 Feed Stone Sawing;  
 Slime Tailings) .....D  
**VA.—Richmond**  
 Cameron Tennant Mach.  
 Wks. (Boiler Feed; Pow-  
 er) .....D  
 Cardwell Machine Co. (Hy-  
 draulic; Underwriter  
 Fire; Hydraulic Pressure;  
 Stuff) .....A  
 Sydnor Pump & Well Co.,  
 1326 E. Main (Centrif-  
 gal; Steam) .....C  
**W. VA.—Charleston**  
 Ward, Chas. (Actu)....B  
**Wis.—Beloit**  
 Beloit Iron Wks. (Centrif-  
 gal; Fan) .....A  
**WIS.—Evanston**  
 Baker Mfg. Co. (Force &  
 Lift; Brass; Iron)....AA  
**WIS.—Janesville**  
 Rock River Machine Co.  
 (Boiler Feed) .....D  
**WIS.—Madison**  
 Northern Electric Mfg. Co.  
 (Electric) .....AAAA  
**WIS.—Milwaukee**  
 Allis-Chalmers Co. (Steam  
 Power Air; Steam Boiler  
 Feed; Sewerage; Vacu-  
 um) .....AAAA  
 Cutler-Hammer Mfg. Co.,  
 12th cor. St. Paul Av.  
 (Electric) .....AAA  
 Filer & Stowell Co. (Air;  
 Ammonia; Power; Steam;  
 Boiler Feed; Brewery;  
 Air Pressure; Steam;  
 Plunger; Compound; Du-  
 plex, Steam) .....AAA  
 Prescott Steam Pump Co.,  
 Fred M., (Boiler Feed;  
 Elevator; Steam) .....AA  
 Vilter Mfg. Co. (Brewers'  
 Air; Combined Creamery  
 Engines; Cooler; .....AA  
**WIS.—Racine**  
 Case Threshing Mach. Co.,  
 J. I. (Tank) .....AAAA  
 Freeman & Sons Mfg. Co.,  
 S. (Windmill) .....A  
 Winship Mfg. Co. (Wooden)  
 E  
**WIS.—South Milwaukee**  
 Bucyrus Co. (Dredging;  
 Centrifugal) .....AAA  
**WIS.—Superior**  
 Duplex Mfg. Co. (Force &  
 Lift; Windmill Iron) AA  
**WIS.—Waupun**  
 Althaus-Wheeler Co.  
 (Hand; Well; Windmill)  
 A

## PUNCHES

See also Machy; Tools

**CONN.—Bridgeport**  
 Bridgeport Hardware Mfg.  
 Corporation (Conductors  
 Ticket Belt) .....B  
 Hurwood Mfg. Co. (Drive) C  
 Smith & Egge Mfg. Co. (Re-  
 volving Spring Belt; Con-  
 ductors' Ticket, etc.;  
 Spring) .....A  
**CONN.—Hartford**  
 Cushman Chuck Co. (Center;  
 Prick) .....AA  
 Pratt & Whiting Co. (Hand;  
 Power; Spiral Shear)  
 AAAA  
 Sigourney Tool Co. (Hand;  
 Power) .....A  
**CONN.—Middletown**  
 Wilcox, Crittenden & Co.  
 (Drive) .....A  
**CONN.—New Britain**  
 Humason & Beckley Mfg.  
 Co. (Bull; Belt) .....A

**PUNCHES (Con.)**  
**CONN.—New Haven**  
Hoggson & Pettis Mfg. Co. (Check) .....A  
Mersick & Co., C. S. (Hand; Power) .....A  
Schollhorn Co., Wm. (Belt; Hand) .....A  
**CONN.—Rockfall**  
Smith, C. A. (Belt) .....B  
**CONN.—Southington**  
Peck, Stow & Wilcox Co. (Belt; Center; Prick; Drive; Leather; Tanners') .....A  
**CONN.—Tolland**  
Clough, R. M. (Drive) ....D  
**DEL.—Wilmington**  
Betts Machine Co. (Power; Shears) .....AA  
Hendercis Sons, A. L. (Hand; Power; Tube; Man hole; Hydraulic; Screw) .....E  
Hilles & Jones Co. (Hand; Tube Hole; Power; Shears) .....AAA  
Slocumb & Co., F. F. (Pneumatic) .....O  
**ILL.—Chicago**  
Bartlett & Son, M. J. (Stock Marking) .....F  
Consolidated Press & Tool Co., 96 N. Clinton (Hand; Press; Multiple) .....D  
McGill Ticket Punch Co., 207 So. Canal (Conductors' Ticket) .....F  
Nicol & Co., 57 W. Wash. (Center; Prick) .....D  
Vaughn & Bushnell Mfg. Co. (Tanners') .....A  
Whiting Co., Geo., 428 No. Halsted (Boilermakers') .....D  
Wilcox & Co., W. W. (Conductors' Ticket) .....B  
**ILL.—Edwardsville**  
Bignall & Keeler Mfg. Co. (Hand; Power) .....B  
**ILL.—Galesburg**  
Colton & Co., G. D. (Power; Shears) .....C  
**ILL.—Moline**  
Williams, White & Co. (Steel; Hand; Shears; Power; Shears, Multiple) .....AA  
**ILL.—Oregon**  
Amer. Lock Nut Co. (Hand; Power) .....X  
**ILL.—Streator**  
Iwan Bros. (Steel) .....C  
**IND.—Cambridge City**  
Bertch & Co. (Hand; Power) .....D  
**IND.—Elkhart**  
Elkhart Frog & Crossing Wks. (Tie Plate Track), O  
**IND.—Evansville**  
Evansville Tool Wks. (Center; Prick; Hand; Track) .....A  
**IOWA—Keokuk**  
Decker Mfg. Co. (Bull) ...C  
**MASS.—Athol**  
Starrett Co., L. S. (Hand; Center; Prick) .....B  
**MASS.—Attleboro**  
Mossberg Co., Frank (Hand; Power) .....A  
**MASS.—Boston**  
Beaudry & Co. (Hand; Power) .....D  
Evelet Tool Co., 40 Lincoln (Drive; Hand; Power; Paper; Spring) .....X  
Band-Avery Supply Co. (Conductors Ticket) ...AA  
Welch & Co., T. F., 65 Sudbury (Center; Prick) ...D  
Woodman Mfg. Supply Co., 63 Oliver (Conductors Ticket; Paper) .....F  
**MASS.—Brockton**  
Tuck Mfg. Co. (Center; Prick; Drive; Tin) .....E  
**MASS.—Chicopee Falls**  
Stevens Arms & Tool Co., J. (Drive) .....AAA  
**MASS.—East Braintree**  
Crocker, L. O. (Conductors' Ticket) .....H  
**PUNCHES (Con.)**  
**MASS.—Fitchburg**  
Sewyer Tool Mfg. Co. (Center; Prick; Drive) .....O  
**MASS.—Greenfield**  
Goodell-Pratt Co. (Automatic) .....B  
Wiley & Russell Mfg. Co. (Hand; Power) .....AA  
**MASS.—Kingston**  
Drew & Co., O. (Coopers'), O  
**MASS.—Millbury**  
Buck, Chas. (Drive) .....B  
Buck Bros. (Center; Prick; Drive) .....A  
**MASS.—Shelburne Falls**  
Mayhew Co., H. H. (Center; Prick; Drive) .....D  
**MASS.—Springfield**  
Bennis & Call Hardware & Tool Co. (Check; Drive; Spring; Conductors') ...A  
Bullock & Co., O. W. (Center) .....A  
Smith Mfg. Co., R. H., 293 Main (Check) .....O  
**MASS.—Worcester**  
Kidder, R. E. (Hand; Power) .....E  
Whitcomb Mfg. Co. (Hand; Power; Shears) .....B  
**MICH.—Detroit**  
Anderson & Sons, W. H. (Blacksmiths'; Center; Prick; Drive; Hand; Track) .....O  
National Fulton Brass Mfg. Co. (Hand; Power) ...AA  
Thorpe Mfg. Co., 50 Woodward Av. (Check) .....X  
**MICH.—Grand Rapids**  
Fox Machine Co. (Hand; Power) .....A  
**MICH.—Saginaw**  
Wickes Bros. (Hand; Tube Hole; Power; Shears; Hydraulic) .....AAA  
**N. J.—Bridgeton**  
Ferracute Machine Co. (Power; Shears) .....A  
**N. J.—Elizabeth**  
Braunsdorf - Mueller Co. (Center; Prick; Drive), D  
**N. J.—Jersey City**  
Cockburn Barrow & Machine Co. (Boilermakers') ....B  
**N. J.—Newark**  
Atha Tool Co. (Blacksmiths'; Solid Cast Steel Track; Steel) .....A  
Compton Shear Co., W. H. (Buttonhole) .....D  
Johnson, Wm., 249 Plane (Conductors' Ticket; Center; Tanners') .....D  
Krauter & Co., 577 18th Av. (Conductors' Ticket; Eyelet; Revolving; Spring) X  
Ohl & Co., G. A. (Hand; Power; Multiple) .....B  
Osborne & Co., C. S. (Spring; Leather) .....B  
Sacks Iron Foundry, Louis (Spring) .....A  
Sayre & Co., L. A., 332 Mulberry (Conductors' Ticket) .....B  
Sterling-Meaker Co., 420 Ogden (Conductors' Ticket) .....D  
**N. J.—Plainfield**  
Pond Machine Tool Co. (Hand) .....AAAA  
**N. Y.—Binghamton**  
Orandal, Stone & Co. (Leather) .....A  
**N. Y.—Brooklyn**  
Adriance Machine Wks. (Hand; Power; Multiple) .....A  
Bliss Co., E. W. (Power; Hydraulic; Multiple) .....AAAA  
Hibbard Mfg. Co. (Hand; Power) .....O  
Sittmann & Pitt, 251 State (Check) .....D  
**N. Y.—Buffalo**  
Buffalo Forge Co. (Hand; Power; Shears) .....AAA  
Buffalo Specialty Mfg. Co., 875 Ellicott (Belt) .....B  
Keystone Mfg. Co. (Drive) X  
Niagara Machine & Tool



**PUNCHES (Con.)**

Wks. (Blacksmiths'; Center; Prick; Hand; Lever) **A**  
 Union Mfg. & Specialty Co. (Hand; Power) ..... **O**  
**N. Y.—Elmira**  
 Cronk & Carrier Mfg. Co. (Drive) ..... **B**  
**New York City**  
 Amer. Railway Supply Co., 24 Park Place (Conductors' Ticket) ..... **X**  
 Dudgeon, Richard, 24 Columbia (Hand; Power; Hydraulic) ..... **A**  
 Eckstein, Chas. G., 249 Center (Hand) ..... **D**  
 Graham & Co., J. H., 113 Chambers (Spring) ..... **AA**  
 Jennings & Co., C. E., 79 Reade (Center; Prick) .. **B**  
 Kinsman Electric & Railway Supply Co., 61 Liberty (Hand) ..... **E**  
 Loyd Co., Jno., 558 Water (Hand; Power) ..... **B**  
 McDougall & Potter Co., 602 W. 55th (Hand; Power) **D**  
 Morrill, Chas., 277 Bway. (Belt; Hand; Power; Paper) ..... **D**  
**New York Stencil Wks.** (Conductors' Ticket) .. **C**  
 Niles-Bement-Pond Co., 111 E'way (Hand) ..... **AAAA**  
 Pels & Co., Henry, 66 Broad (Hand; Power) ..... **C**  
 Smith & Hemenway & Co., 298 Bway. (Belt) ..... **D**  
 Stimpson & Son, Edwin B. (Leather) ..... **B**  
 Tower & Lyon Co., 95 Chambers (Conductors' Ticket; Round; Saddlers') ..... **B**  
 Watson-Stillman Co., 210 E. 43d (Hand; Hydraulic Track; Power; Shears) .. **A**  
 Weiss & Co., H., 20 Cliff (Hand) ..... **F**  
**N. Y.—Rochester**  
 Erdle & Schenck (Hand; Power) ..... **B**  
**N. Y.—Syracuse**  
 Syracuse Twist Drill Co. (Center; Prick) ..... **B**  
**OHIO—Akron**  
 Akron Machine Co. (Hand) **X**  
 Whitman & Barnes Mfg. Co. (Steel) ..... **AAAA**  
**OHIO—Alliance**  
 Alliance Machine Co. (Hand; Power; Hydraulic) ... **AA**  
 Transue & Williams Co. (Drive) ..... **A**  
**OHIO—Canton**  
 Ney Mfg. Co. (Drive) .... **B**  
**OHIO—Cincinnati**  
 Cincinnati Mfg. Co. (Conductors' Ticket) ..... **B**  
 Cincinnati Punch & Shear Co. (Hand; Power; Tube; Manhole; Multiple) ..... **B**  
 Keene & Co., Geo. C., 502 E. Front (Hand) ..... **F**  
**OHIO—Cleveland**  
 Cleveland Punch & Shear Wks. Co. (Hand; Power; Tube; Manhole; Multiple) **A**  
 Globe Machine & Stamping Co. (Hand; Power) ..... **C**  
 Konigslow Stamping & Tool Wks. (Hand; Power) ... **D**  
**OHIO—Columbus**  
 Ohio Tool Co. (Coopers), **AA**  
**OHIO—Hamilton**  
 Long & Aulstater Co. (Hand; Tube Hole; Hydraulic; Power; Shears) **AA**  
 Meyers Mfg. Co., Fred. J. (Conductors' Ticket; Spring; Leather; Cattle) **B**  
 Niles Tool Wks. Co. (Power; Shears) ..... **AAAA**  
**OHIO—Tiffin**  
 National Machinery Co. (Power; Shears) ..... **AA**  
**OHIO—Toledo**  
 Heartley, G. W. (Hand) .. **D**  
 Toledo Machine & Tool Co. (Deep Gap; Power;

**PUNCHES (Con.)**

Shears; Tinnners') ..... **A**  
**OHIO—Youngstown**  
 Sennett Co., G. B. (Hand; Power; Hydraulic) ..... **B**  
**PA.—Bellefonte**  
 Lingle, J. H. (Hand; Power) **D**  
**PA.—Danville**  
 Curry & Co. (Hydraulic) .. **B**  
**PA.—Philadelphia**  
 Bement, Niles & Co. (Power; Shears) ..... **AAAA**  
 Diaston & Sons, Henry (Saw) ..... **AAAA**  
 Horn & Bros., Wm. H. (Leather) ..... **B**  
 Pedrick & Ayer Co., 1001 Hamilton (R. R. Track) **A**  
 Phila. Roll & Mach. Co. (Power; Shears) ..... **A**  
 Sellers & Co., Wm. (Inc.) (Power; Shears; Multiple) **AAAA**  
 Stortz & Son, Jno., 210 Vine (Center; Prick) ..... **B**  
 Wood & Co., R. D. (Hand; Power; Hydraulic), **AAAA**  
**PA.—Pittsburg**  
 Fischer Foundry & Mach. Co. (Hydraulic) ..... **AA**  
 Iron City Tool Wks. (Ltd.), 32d & Smallman (Blacksmiths'; R. R. Track) .. **A**  
 Klein-Logan Co., So. 15th & Breed (Blacksmiths'; R. R. Track) ..... **A**  
 Pittsburg Mfg. Co. (Hand; Power) ..... **A**  
 Pittsburg Tool & Drop Forge Co. (Driving Tie Plate), **D**  
 United Engineering & Foundry Co. (Hydraulic) **AAAA**  
**PA.—Royersford**  
 Royersford Foundry & Machine Co. (Hand; Power) **D**  
**PA.—So. Bethlehem**  
 Bethlehem Foundry & Mach. Co. (Hand; Power; Hydraulic; Screw) ..... **O**  
 Bethlehem Steel Co. (Hydraulic) ..... **AAAA**  
**R. I.—Pawtucket**  
 Haskell Mfg. Co., Wm. H. (Hand; Power) ..... **AA**  
**R. I.—Providence**  
 Standard Machinery Co. (Hand; Power) ..... **B**  
**WIS.—Janesville**  
 Bicknell Hardware Co. (Blacksmiths'; Hand; Power) ..... **B**  
 New Doty Mfg. Co. (Hand; Tube Hole; Belt; Power; Shears; Multiple) ..... **D**  
 Rock River Machine Co. (Hand; Power) ..... **D**

**PURATYLENE**

**New York City**  
 Roessler & Hasslacher Chemical Co., 100 William (for purifying Acetylene) .. **AA**

**PURIFIERS**

**CONN.—Hartford**  
 Whitlock Coll Pipe Co. (Feed Water) ..... **A**  
**CONN.—New Haven**  
 Harrison, Leonard D. (Middlings) ..... **H**  
 National Pipe Bending Co. (Feed Water) ..... **B**  
**ILL.—Chicago**  
 Baragwanath & Son, Wm. (Live Steam) ..... **O**  
 Wolf Co., Fred. W., 139 Rees (Ammonia) .... **AAA**  
**ILL.—Moline**  
 Barnard & Leas Mfg. Co. (Middlings) ..... **AA**  
**IND.—Fort Wayne**  
 Kerr-Murray Mfg. Co. (Gas) **A**  
 Nordyke & Marmon Co. (Corn Meal; Middlings) **AAA**  
**IND.—Wishawka**  
 Dodge Mfg. Co. (Feed Water) ..... **AAA**

**PURIFIERS (Con.)**

**D.D.**—Richmond  
 Richmond City Mill Wks.  
 (Middlings) ..... B  
**IOWA**—Dubuque  
 Dubuque Turbine & Roller  
 Mill Co. (Middlings) .... B  
**KANS.**—Leavenworth  
 Great Western Mfg. Co.  
 (Corn Meal; Aspirators;  
 Middlings) ..... AA  
**MD.**—Baltimore  
 Bartlett Hayward & Co.  
 (Gas) ..... B  
**MASS.**—Boston  
 Walworth Mfg. Co. (Feed  
 Water) ..... AAAA  
**MICH.**—Detroit  
 Lloyd Construction Co. (Gas) C  
**MICH.**—Saginaw  
 Wickes Bros. (Feed Water)  
 AAA  
**N. J.**—Camden  
 Webster & Co., Warren  
 (Feed Water) ..... AA  
**N. J.**—Garwood  
 Beckley & Co., A. J. (Sand)  
 D  
**N. Y.**—Brooklyn  
 Continental Iron Wks. West  
 & Cayler (Gas) ..... A  
**N. Y.**—Buffalo  
 Noye Mfg. Co., John T.  
 (Corn Meal; Corn Meal Aspi-  
 rators; Middlings) .... X  
**New York City**  
 Patterson & Co., F. L., 26  
 Cortlandt (Feed Water), E  
 Strauss & Co., 55 Broad  
 (Water) ..... E  
**N. Y.**—Silver Creek  
 Huntley Mfg. Co. (Corn  
 Meal) ..... A  
**OHIO**—Columbus  
 Case Mfg. Co. (Corn Meal;  
 Aspirators; Middlings) .. A  
**OHIO**—Springfield  
 Hopper Mfg. Co. (Live  
 Steam) ..... A  
**PA.**—Harrisburg  
 Harrisburg Pipe & Pipe  
 Bending Co. (Feed Water)  
 AAA  
**PA.**—Irwin  
 Irwin Flour Mill Co. (Mid-  
 dlings) ..... B  
**PA.**—Muncy  
 Sprout, Waldron & Co.  
 (Middlings) ..... A  
**PA.**—Philadelphia  
 Harrison Safety Boiler  
 Wks. (Feed Water) ... A  
 Wood & Co., R. D., 400  
 Chestnut (Gas) ..... AAAA  
**PA.**—Pittsburg  
 Bonar & Co., Jas. (Live  
 Steam) ..... B  
 Scaife & Sons Co., Wm. B.  
 (Feed Water) ..... AAA  
**WIS.**—Milwaukee  
 Allis-Chalmers Co. (Mid-  
 dlings) ..... AAAA

**PURSES**

See also Leather Goods;  
 Jewelry

**ILL.**—Chicago  
 Webster, Geo. A., 64 Wa-  
 bash Av. (Coin) ..... C  
 Western Leather Mfg. Co. D  
**MASS.**—Athal  
 Bates Bros. Co. .... B  
**MASS.**—Attleboro  
 Blake Co., James E. (Metal)  
 A  
 Eden Co., C. H. (Metal) .. A  
 Regnell, Bigney & Co. (Met-  
 al) ..... C  
**MASS.**—Ayer  
 Sigbee Co. (Coin) ..... D  
**MASS.**—North Attleboro  
 Blackington & Co., R.  
 (Metal) ..... A  
**MASS.**—South Deerfield  
 Arms. Mfg. Co. .... B  
**MASS.**—Worcester  
 Warren Leather Goods Co. B  
**N. J.**—Hoboken  
 Lehman & Co. .... A

**PURSES (Con.)**

**N. Y.**—Gloversville  
 Wilkins Co., E. J. (Coin)  
 B  
**New York City**  
 Culbert & Co. .... X  
 Fischman Leather Goods Co.,  
 95 5th Av. (Leather) .. D  
 Maas, Blum & Co. .... AA  
 Scheuer & Bro., 79 Walker  
 X  
**PA.**—Philadelphia  
 Rump & Sons, C. F. .... AAA

**PUSHERS**

**ILL.**—Chicago  
 Fairbanks, Morse & Co.,  
 (Car) ..... AAAA  
 Webster Mfg. Co., 1075 W.  
 15th (Car) ..... AA  
**ILL.**—Moline  
 Barnard & Leas Mfg. Co.  
 (Car) ..... AA  
**MASS.**—Boston  
 Boston & Lockport Block  
 Co., 160 Commercial (Car)  
 A  
 Woodman Mfg. Supply Co.,  
 3 Oliver (Car) ..... F  
**MICH.**—Detroit  
 Buhl Malleable Co. (Car)  
 A  
**MO.**—St. Louis  
 Zenicker Supply Co., Walter  
 A., 408 N. 4th (Car) .. X  
**N. Y.**—New York City  
 Motley, Green & Co., 12  
 John (Car) ..... X  
 Thomas, Theodore, 11 B'way  
 (Car) ..... D  
**OHIO**—Cleveland  
 Brown Hoisting Machinery  
 Co. (Coke Oven) ..... AAAA  
 Osborn Mfg. Co. (Car) .. B  
**OHIO**—Dayton  
 Boyer & Radford Mfg. Co.  
 (Car) ..... C  
**PA.**—Pittsburg  
 Verona Tool Wks., Murt-  
 land Bldg. (Car) ..... A  
**R. I.**—Pawtucket  
 Fuller & Son Co., Geo. H.  
 (Watch) ..... A

**PUSHES**

**CONN.**—Collinsville  
 Hartigan, W. R. (Electric  
 Bell) ..... H  
**PA.**—Reading  
 Reading Hardware Co.  
 (Electric Bell) ..... AAAA

**PUTTY**

**COLO.**—Denver  
 James Mercantile & Mfg.  
 Co., B. L. .... B  
**ILL.**—Chicago  
 Chicago White Lead & Oil  
 Co. .... AA  
 Chicago Wood Finishing Co.  
 259 Elston Av. .... A  
 Heath & Milligan Mfg. Co.  
 AAA  
 Rubber Paint Co. .... A  
**KY.**—Louisville  
 Caron Stone Co. (Stone Pol-  
 ishing) ..... D  
 Hughes & Sons Co., W. J. B  
**LA.**—New Orleans  
 McWilliams, R. (Ltd.) .. X  
**MAINE**—Hallowell  
 Fuller Sons, Geo. .... C  
**MASS.**—Boston  
 Briggs & Co., John, 33 Bat-  
 terymarch ..... D  
**MICH.**—Detroit  
 Acme White Lead & Color  
 Wks. .... AAA  
 Boydell Bros. White Lead &  
 Color Wks. .... AA  
 Detroit White Lead Wks. AAA  
**MINN.**—St. Paul  
 St. Paul White Lead & Oil  
 Co., ..... B  
**MO.**—St. Louis  
 Kent & Purdy Paint Co.,  
 701 N. 2d ..... C



**QUILLERS (Con.)**

IND.—Evansville  
Horster, Henry (Feather) F

MASS.—Whitinsville  
Whitin Machine Wrks. AAAAA

MASS.—Worcester  
Crompton & Knowles Loom  
Wrks. .... AAAAA  
Steele & Bro., A. H. 54  
Hermon ..... D

M. J.—Paterson  
Atherton Machine Co. .... B  
Eastwood Co., Benj. .... A  
Paterson Machine Wrks., 46  
Warren ..... F

Royle & Sons, Jno. .... A  
PA.—Philadelphia  
Altamus, Jacob K., 2824 N.  
4th ..... C

R. I.—Pawtucket  
Payne Co., G. W. (Upright) D

R. I.—Providence  
Franklin Machine Co. .... A  
Rhode Island Braiding Mach.  
Co. .... C

**QUILLS**

N. J.—Paterson  
Dempwolf, Jr., Chas. ... X  
Ferrary & Schauble Co. ... D  
Frost & Sons, Geo. T. ... A  
Hall & Co., I. A. .... A  
Van Riper Mfg. Co. .... B  
Ulrich & Co. .... F

**QUILTERS**

CONN.—New Haven  
Brown & Co., Ruben H... B

**QUILTS**

See Bedding

**QUININE**

MD.—Baltimore  
McCormick & Co. .... D  
MO.—St. Louis  
Mallinckrodt Chemical  
Works ..... AAAAA

N. J.—Newark  
Styron, Beggs Co. .... A  
N. Y.—New York City  
Boehringer & Soehne, O. F.,  
7 Cedar ..... A  
Fuerst Bros. & Co., 2 Stone  
D

Merck & Co. .... AAA  
New York Quinine & Chem-  
ical Wrks., 114 William  
A

Phair, R. W. .... F  
PA.—Philadelphia  
Powers-Weightman - Rosen-  
garten Co. .... AAAAA

**QUOINS**

ILL.—Chicago  
Wanner Co., A. F., 298 Dear-  
born (Printers') ..... C

MASS.—Boston  
Golding & Co. .... B  
Hansen, H. C. .... B  
Wickersham Quoin Co.  
(Printers') 174 Fort Hill  
Sq. .... G

N. Y.—Buffalo  
Hempel & Dingens, 594  
Washington ..... C  
New York City

Amer. Type Founders Co.  
AAAAA

Hoe & Co., R. .... AAAAA  
Moore & Warren ..... B  
N. Y.—Seneca Falls

Wescott-Jewell Co. .... D  
WIS.—Clinton  
Smith & Holum Mfg. Co.  
(Printers') ..... F

WIS.—Two Rivers  
Hamilton Mfg. Co. .... AA

**QUOITS**

ILL.—Freeport  
Arcade Mfg. Co. .... A

**QUOITS (Con.)**

MO.—St. Louis  
Kupferle, John C. .... AA  
Pleuger & Henger Mfg. Co. A

N. H.—Keene  
Wilkins Toy Co. .... AAAAA

OHIO—Cincinnati  
Tatum Co., Samuel O... B  
OHIO—Ravenna

Williams, A. C. .... A  
PA.—Nazareth  
Nazareth Foundry & Mach.  
Co. .... B

PA.—Reading  
Reading Hardware Co. AAAAA

TENN.—South Pittsburg  
Blacklock Foundry ..... C

**RABBITS**

ILL.—Chicago  
Barbee Wire & Iron Wrks. B

**RACKETS**

N. Y.—New York City  
Dayton & Co., G. S., 76 Nas-  
sau ..... E

**RACKS**

See also Furniture; Cases

CONN.—East River  
Munger & Son (Chalk) .. O  
CONN.—Essex

Essex Wood Turning Co.  
(Book) ..... X  
CONN.—Georgetown

Gilbert & Bennett Mfg. Co.  
(Hay) ..... AAAA  
CONN.—Meriden

Bradley & Hubbard Mfg. Co.  
(Book; Hat; Coat; Pen) AAAAA

Foster, Merriam & Co.  
(Towel; Brass Towel) AA

Landers, Frary & Clark  
(Hat; Coat; Card) .. AAAA  
Meriden Britannia Co.

(Toast) ..... AAAAA  
CONN.—New Britain  
New Britain Mach. Co.

(Tool) ..... A  
Taplin Mfg. Co. (Towel) .. D  
CONN.—New Haven

Henn & Co., A. S. (Towel) F  
CONN.—Torrington  
Turner & Seymour Mfg. Co.

(Hat; Coat; Towel; Brass) A  
CONN.—Wallingford  
Wallace & Sons Mfg. Co., R.

(Toast) ..... AAAAA  
ILL.—Chicago  
Adams & Westlake (Bag-  
age) ..... AAAAA

Allen Mfg. Co., W. D., 151  
Lake (Fire Hose) ..... A  
Barbee Wire & Iron Wrks.

(Canning; Hay; Iron;  
Sponge; Newspaper; Por-  
table Pie; Whip) ..... B

Ehnborn & Co., C. (Hat;  
Coat) ..... G  
Gould Co., 24 N. North Ca-  
nal (Bicycle) ..... B

Nicol & Co. (Broom) .... D  
Parsons & Co., W. R. (Tow-  
el; Coat; Hat; Display) D

ILL.—Peoria  
Van Epps, Henry R. (Card) F

IND.—Indianapolis  
Tucker & Dorsey Mfg. Co.  
(Hat; Coat; Folding Hat;  
Coat; Towel) ..... A

Udell Wrks. (Hat; Coat) A  
Western Furniture Co. (Hat;  
Coat) ..... A

IOWA—Fort Madison  
Iowa Farming Tool Co.  
(Garden Tool; Steel  
Goods) ..... A

MAINE—Portland  
Portland Co. (Cast) .... AA  
MASS.—Boston

Allen Totman Co. (Umbrel-  
l)

**RACKS (Con.)**  
 la) .....F  
 Boston Gear Wrks. (Brass) B  
 Bramer, A. D., 21 S. Market (Bicycle) .....F  
 Golding & Co. (Printers) B  
 Revere Rubber Co., 63 Franklin (Fire Hose) AAAAA

**MASS.—Cambridge**  
 Barbour-Stockwell Co. (Bakers' Pie) .....A  
**MASS.—Gardner**  
 Heywood Bros. & Wakefield Co. (Rattan Towel) AAAAA

**MASS.—Holyoke**  
 Holyoke Machine Co. (Cast) AA

**MASS.—Lawrence**  
 Lawrence Machine Co. (Cast) .....X

**MASS.—Lowell**  
 Woods, Sherwood Co. (Toast; Portable Pie) ..E  
**MASS.—Pittsfield**  
 Jones & Sons Co., E. D. (Cast) .....B

**MASS.—Worcester**  
 Hill, Dryer Co. (Clothes) ..D  
 National Mfg. Co. (Toast; Portable Pie) .....A  
 Parker Wire Goods Co. (Bakery; Card; Book; Paper) .....D  
 Spencer Wire Co. (Towel) A  
 Wire Goods Co. (Towel; Portable Pie; Bakery) ..A

**MICH.—Detroit**  
 Barnum Wire & Iron Wrks., E. T. (Hay) .....B

**MICH.—Fenton**  
 Phillips Co., A. J. (Towel; Clothes) .....A

**MICH.—Galien**  
 Montross, Richard W. (Bicycle Cleaning) .....B

**MICH.—Grand Rapids**  
 Nelson Matter Furniture Co. (Hat; Coat) .....AA  
 Oriel Cabinet Co. (Towel) AA

**MICH.—Jackson**  
 Walcott & Son, Geo. D. (Cut) .....C

**MO.—St. Louis**  
 Ludlow-Saylor Wire Co. (Pew) .....AA  
 Pleuger & Henger Mfg. Co. (Towel) .....A

**N. H.—Nashua**  
 Fletcher & Webster Furniture Co. (Hat; Coat; Brass Hat; Coat; Towel) C

**N. J.—Burlington**  
 Stewart & Peterson Co. (Hay) .....A

**N. J.—Newark**  
 Searls Mfg. Co. (Towel) ..B  
**N. Y.—Buffalo**  
 Shepard & Co. Sidney (Fruit Steaming) .....AAAA  
 Western Wire Goods Co. (Towel; Card; Book; Paper) .....D

**N. Y.—Cato**  
 Dutton & Co., E. Q. (Corner Hay) .....E

**N. Y.—Herkimer**  
 Quackenbush, H. M. (Desk) A

**N. Y.—Jamestown**  
 Fenton Metallic Mfg. Co. (Postal Car) .....A  
 New York City  
 Amer. Type Founders Co. (Printers') .....AAAA  
 Brunswick-Balke-Collender Co. (Desk) .....AAAA  
 Farmer & Son Type Founding Co., A. D. (Printers') B

**Fiske Iron Wrks., J. W.**  
 (Hat; Coat; Towel; Hay; Whip) .....B  
 Hale Co. (Folding Hat; Coat) .....A  
 Hoe & Co., R. (Printers') AAAAA

**Homan Co., Andrew (Hat)**

**RACKS (Con.)**  
 Coat) .....D  
 Howard & Morse (Hay) ..D  
 Judd & Co., H. L. (Inc.) (Brass; Hat; Coat; Pen) AA  
 Mace & Co., L. H. Hat; Coat; Hanging) .....B  
 Manning, Maxwell & Moore, 85 Liberty (Brass) ....AA  
 Mason & Co., J. W. (Folding Hat; Coat) .....D  
 Maurer & Son, Henry, 420 E. 23d (Bottle; Hollow Tile) .....H  
 Mohr & Co., Fred. (Hat; Coat) .....A  
 Palmer & Embury Mfg. Co. (Hat; Coat) .....A  
 Peck, Stow & Wilcox Co., 27 Murray (Card; Book; Paper) .....AAAA  
 Schloss & Co., E. (Hat; Coat) .....A  
 Spencerian Pen Co. (Pen) AA  
 Swain & Son, H. C. (Folding Hat; Coat) .....D  
 Vogel & Co., F. (Hat; Coat) X

**N. Y.—Rochester**  
 Copeland & Durgin Co. (Hat; Coat; Towel) ....A  
**N. Y.—Seneca Falls**  
 Wescott-Jewell Co. (Adjustable Book) .....D  
**N. Y.—Syracuse**  
 Brown Furniture Co., C. G. (Hat; Coat) .....B  
 Stearns & Co., E. C. (Hay) AA  
 Wells Mfg. Co., A. J. (Book) .....X

**N. Y.—Troy**  
 Kellogg, Wm. P. (Whip), X  
 Kilbourne Mfg. Co. (Towel; Hat; Coat) .....O

**OHIO—Bryan**  
 Bryan Novelty Mfg. Co. (Biscuit Can Display) ..E  
**OHIO—Cincinnati**  
 Sextro Furniture Mfg. Co. (Hat; Coat) .....B  
 Tatum Co., Samuel O. (Book; Card; Pen) ....B

**OHIO—Cleveland**  
 Amer. Fork & Hoe Co. (Inc.) (Steel Goods) .....AAAA  
 Federal Mfg. Co. (Towel; Clothes) .....AAAA  
 Van Dorn Iron Works Co. (Bakery) .....AA

**OHIO—Dayton**  
 City Forge & Iron Wrks. D

**OHIO—Norwalk**  
 Gregory, Giles R. (Bicycle) F

**OHIO—Salem**  
 Clark Co., W. J. (Hat; Coat) .....A

**OHIO—Warren**  
 Eureka Mfg. Co. (Furniture Display; Table Couch; Chair) .....G

**PA.—Allegheny**  
 Pittsburg Lamp, Brass & Glass Co. (Brass Towel) AAAAA

**PA.—Beaver Falls**  
 Standard Steel Gauge Co. (Finished Cut) .....A

**PA.—Brownsville**  
 Herbertsons' Sons, J. (Hay) D

**PA.—Corry**  
 Raymond Mfg. Co. (Hat; Coat; Towel) .....B

**PA.—Lebanon**  
 Hauck, Adam (Hat; Coat) D

**PA.—North East**  
 Fernald Mfg. Co. (Hanging) D

**PA.—Philadelphia**  
 Cresson Co., Geo. W. (Cast) AA  
 McCambridge & Co. (Ltd.) (Brass Towel) .....B  
 Phila. Novelty Mfg. Co. (Towel; Pen) .....D

**PA.—Pittsburg**  
 Nuttal Co., E. D. (Cut) ..A  
 Simonds Mfg. Co. (Cut) ..B

**RACKS (Con.)**  
**E. I.—Pawtucket**  
 Bliss Mfg. Co., B. (Book) **AAAA**  
 Thayer's Son, Ellis (Book) **X**  
**E. I.—Providence**  
 Towel Rack & Novelty Mfg. Co. (Towel; Hat; &c.).. **F**  
**TENN.—Chattanooga**  
 Chattanooga Furniture Co. (Hat; Coat) ..... **A**  
**VT.—North Bennington**  
 Oushman Mfg. Co., Henry T. (Book; Hat; Coat) .... **C**  
**VT.—Springfield**  
 Fellows Gear Shaper Co. (Cut) ..... **A**  
**WIS.—Fond-du-Lac**  
 Harrison Postal Bag Rack Co. (Postal Car) ..... **D**  
**WIS.—Marshallfield**  
 Roddis Lumber & Veneer Co. (Glass) ..... **A**  
**WIS.—Milwaukee**  
 Meinecke & Son, A. (Hanging) ..... **AA**  
**WIS.—Racine**  
 Winship Mfg. Co. (Shoe).. **E**  
**WIS.—Sheboygan**  
 Mattoon Mfg. Co. (Book)... **A**  
**WIS.—Two Rivers**  
 Hamilton Mfg. Co. (Printers') ..... **AA**

## RADIATORS

**CONN.—Hartford**  
 Whitlock Coil Pipe Co. (Disc for Automobiles)... **A**  
**CONN.—New Haven**  
 National Pipe Bending Co. (Car Seat) ..... **B**  
**CONN.—New London**  
 Hopson & Chapin Mfg. Co. (Hot Water; Steam) .. **B**  
**CONN.—Norwich**  
 Page Boiler Co., W. H. (Hot Water; Steam) . **D**  
**ILL.—Chicago**  
 Amer. Radiator Co., cor. Lake & Dearborn (Hot Water; Steam; Cast Iron; Pin) ..... **AAAA**  
 Amer. Stove Co., 479 Case Av. & 62 So. Canal (Gas; Oil) ..... **AAAA**  
 Kellogg-Mackey-Cameron Co. 222 Lake (Hot Water; Steam) ..... **AA**  
**ILL.—Gibson City**  
 Gibson Iron Wks. (Hot Water & Steam) ..... **C**  
**ILL.—Kewanee**  
 Western Tube Co. (Staggered Tube Circular, Coil, etc.) ..... **AAA**  
**IND.—Indianapolis**  
 Shirley Radiator & F'dry Co. (Hot Water & Steam) **B**  
**IND.—Terre Haute**  
 Prox & Brinkman Mfg. Co. (Hot Water; Steam) .. **A**  
**IOWA—Webster City**  
 Webster City Steel Radiator Co. (Hot Water; Steam) **D**  
**KY.—Louisville**  
 Peerless Mfg. Co. (Gas) **AA**  
**MD.—Baltimore**  
 Weiskittel & Son, A., Aliceanna & Wash'n (Gas) ..... **A**  
**MASS.—Boston**  
 Gurney Heater Mfg. Co., 74 Franklin (Hot Water; Steam; Cast Iron) .... **B**  
 Ingalls & Kendrick (Cast Iron; Vertical Tube; Pin) **A**  
 Walker & Pratt Mfg. Co., 33 Union (Hot Water; Steam) ..... **AA**  
 Walworth Mfg. Co., 132 Federal (Hot Water; Steam) ..... **AAAA**  
**MICH.—Detroit**  
 Detroit Heating & Lighting Co., 335 Wight (Gas; Hot Water) ..... **B**  
 Detroit Lubricator Co.

**RADIATORS (Con.)**  
 (Steam) ..... **AA**  
 Detroit Stove Wks. (Gas) **AAAA**  
**MINN.—St. Paul**  
 South Park Fdry & Machine Co. (Hot Water; Steam) **B**  
**MO.—St. Louis**  
 Ringen Stove Co. (Gas) **AAAA**  
 Sodemann Heat & Power Co., 412 N. 6th (Hot Water; Steam) ..... **B**  
**NEBR.—Omaha**  
 Crane Co. (Steam) ..... **A**  
**N. H.—Exeter**  
 Exeter Machine Wks. (Hot Water; Steam) ..... **B**  
**N. Y.—Buffalo**  
 Niagara Radiator Co. (Hot Water; Steam) ..... **A**  
**N. Y.—Newburgh**  
 Ross Radiator Co. (Smoke-pipe) ..... **B**  
**New York City**  
 Crane Co., Wm. M., 1181 B'way (Gas; Oil) ..... **A**  
 Criterion Gas Stove Mfg. Co., 447 Greenwich (Gas) **X**  
 Eaton, Cole & Burnham Co. (Steam) ..... **AAAA**  
 Griffing Iron Co., A. A. (Cast Iron; Hot Water Pin; Vertical Tube) .. **AA**  
 Mott Iron Wks., J. L., 84 Beekman (Hot Water; Steam) ..... **AA**  
 Nason Mfg. Co., 71 Beekman (Hot Water; Steam; Vertical Tube) ..... **B**  
 Smith Co., H. B., 133 Centre (Hot Water; Steam; Pin) ..... **AA**  
 Southard-Robertson Co., 257 Water (Gas) ..... **B**  
 Union Stove Wks., 70 Beekman (Gas) ..... **AA**  
**N. Y.—Rochester**  
 Castle & Co., Willmot (Hot Air; Steam) ..... **B**  
 Rochester Radiator Co., 268 State (Stove Pipe) .... **E**  
**N. Y.—Syracuse**  
 Pierce, Butler & Pierce Mfg Co. (Hot Water; Steam) **AAA**  
**OHIO—Ashtabula**  
 Barber Mfg. Co. (Stove Pipe) ..... **C**  
**OHIO—Canton**  
 Aultman Co. (Automobile) **AAAA**  
 McLain Co., J. H. (Hot Water; Steam) ..... **AA**  
 Novelty Iron Co. (Hot Water; Steam) ..... **A**  
**OHIO—Cleveland**  
 Dangler Stove & Mfg. Co. (Br. Amer. Stove Co.) (Gas; Oil) ..... **AAAA**  
**OHIO—Columbus**  
 Elk Heater Mfg. Co. (Natural Gas) ..... **F**  
**PA.—Erie**  
 Jarecki Mfg. Co. (Hot Water; Steam) ... **AAAA**  
**PA.—Johnstown**  
 National Radiator Co. (Hot Water; Steam) ..... **A**  
**PA.—Lancaster**  
 Best Engine & Boiler Wks. (Hot Water; Steam).... **B**  
**PA.—Lansdale**  
 Heebner & Sons (Hot Water; Steam) ..... **A**  
**PA.—Philadelphia**  
 Devlin Mfg. Co. Thos. (Gas; Hot Water; Steam) .. **AA**  
 Fowler & Wolfe Mfg. Co. (Phila. Bourse) (Hot Water; Steam) ..... **A**  
 Phila. Hdw. & Malleable Iron Wks. (Inc) 9th & Jeff'n (Hot Water; Steam) ..... **A**  
**PA.—Reading**  
 Reading Radiator Co. (Hot Water; Steam) ..... **D**  
**PA.—West Newton**  
 U. S. Radiator Co. (Hot Water; Steam) ..... **A**

**RADIATORS (Con.)**

**PA.**—Williamsport  
Steel & Robinson Co. (Hot  
Water; Steam) .....X  
**PA.**—York  
Broomell, Schmidt & Steacy  
Co. (Steam) .....A  
**WIS.**—Milwaukee  
Fuller-Warren Co. (Hot  
Water; Steam) ....AAA  
Milwaukee Gas Stove Co.,  
139 Burrell (Gas) .....D

**RADISH:  
HORSE**

See Condiments

**RAFTS**

**DEL.**—Wilmington  
Drein & Son, Thos. (Metallic  
Life) .....B  
**N. Y.**—Brooklyn  
Kahnweiler's Sons & Co.,  
David (Life) .....B  
**New York City**  
Smith, John T. (Life) ....E

**RAGS, PAPER  
STOCK, ETC.**

**ALA.**—Mobile  
Piser & Co., Henry .....B  
**CONN.**—Bridgeport  
Gledhill & Co. ....C  
**CONN.**—Hartford  
Garvan, Patrick .....A  
Tuckers' Sons E. ....C  
**D. C.**—Washington  
Broderick Bros. ....B  
**ILL.**—Chicago  
Birkenstein & Son, S., 48  
Michigan .....B  
Chicago Paper Stock Co.,  
248 W. Randolph .....C  
Doppelt, Jacob, 79 Market  
C  
Kaufmann, Moses, 200  
Mich. Av. ....C  
Loewenthal Bros. & Co., B.,  
515 S. Canal .....AAAA  
Pioneer Paper Stock Co.,  
318-324 S. Desplaines &  
105-107 Law Av. ....C  
Sleph & Jaffe, 653 S. Canal  
C  
Standard Paper Stock Co. C  
**IND.**—Anderson  
Ziegler, J. ....C  
**IND.**—Ft. Wayne  
Bash & Co., S. ....C  
Weil Bros. ....A  
**IND.**—Goshen  
Blumenberg & Tobias ....C  
**IND.**—Terre Haute  
Duncan & Kingsolver ....B  
**IOWA**—Davenport  
Raphael, Jacob .....C  
**MAINE**—Waterville  
Buxton & Son Co., The E. C

**MD.**—Baltimore  
Fenton & Co., M. C., 18 W.  
Pratt .....B  
Hoopes & Radford, 1018  
Ashland .....B  
Tyler, Armenius, 500 Light  
C  
Winternitz, Hiram, 221 S.  
Howard .....B  
Winternitz, Samuel G., 214  
S. Howard .....A  
Woodford, N. B., 916 S.  
B'way .....B  
**MASS.**—Boston  
Bishop, Robt. (Est of), 157  
W. 6th .....B  
Butterworth & Co., Edwin,  
58 Federal .....A  
Carter, Rice & Co., 246  
Devonshire .....AA  
Corbett & Co., W. J., A near  
Binford .....A  
Emerson & Co., A., 683  
Atlantic Av. ....B  
Hill & Cutler, 567-569  
Atlantic Av. ....B  
Lodge & Co., J. T., 355  
Atlantic Av. ....R

**RAGS (Con.)**

Remick & Co., T., 489  
Atlantic Av. ....A  
Train-Smith Co., 24 Federal  
C  
**MASS.**—Fall River  
Massasoit Mfg. Co. ....A  
**MASS.**—New Bedford  
McCullough, John .....C  
**MASS.**—Springfield  
Castle, Gotthell & Overton  
B  
Mayo & Co., A. N. ....A  
**MICH.**—Detroit  
American Paper Stock Co. C  
**MO.**—St. Louis  
Columbia Paper Stock Co. C  
Graham Paper Co. ....AA  
**N. Y.**—Albany  
Albany Waste & Metal Co. A  
**N. Y.**—Brooklyn  
Hughes, Lawrence, 229  
Union Av. ....B  
Hughes, Wm., 84 Metropoli-  
tan Av. ....B  
Shaw, Wm C., 59 Sedgwick  
C  
**N. Y.**—Buffalo  
Hayman & Co., M. ....B  
Hofeller & Co., Theo. ....B  
Ullmans' Sons, D. ....B  
**New York City**  
Butterworth & Co., Edwin,  
132 Nassau .....AAA  
Castle, Gotthell & Overton,  
Times Bldg. ....B  
Lampert Mfrs. Supply Co.,  
92 Walker .....C  
Libmann & Co., Jos., 351  
B'way .....B  
Lyon & Co., John H., 176  
Duane .....A  
McGuire, Michael, 102 10th  
Av. & 361 W. 16th ....B  
Mitchell, Michael, 42 Watts  
B  
Rawitser & Co., S., 287 W.  
Bway. ....AA  
Samuel & Sons, M., 760  
Washington .....A  
Schofield & Co., Geo., 12  
Lispnard .....B  
**N. Y.**—Oneonta  
Moody & Gould .....B  
**N. Y.**—Rochester  
Hey & Co. ....C  
**N. Y.**—Syracuse  
Garrett, J. & F. B. ....B  
**N. Y.**—Troy  
Troy Waste Mfg. Co. ....A  
**OHIO**—Columbus  
Basch Bros. ....C  
**OHIO**—Dayton  
Blau Bros. ....C  
Israel Bros. ....C  
**OHIO**—Cincinnati  
Bowen, E., 120 E. 6th ....B  
**PA.**—Allentown  
Sofransky & Son, H. ....C  
**PA.**—Philadelphia  
Badger, Evan, 916 Cherry C

**RAILINGS**

See also Fixtures

**CAL.**—Los Angeles  
Biescar, Henry, 118 S. An-  
derson (Bank; Office) .C  
**CAL.**—San Francisco  
Brunswick - Balke - Collen-  
der Co., 633 Market  
(Bank; Office) .AAAA  
Calif. Artistic Metal & Wire  
Co. (Bank; Office) ....D  
Garrett & Co., W. S., 138  
Fremont (Bank; Office) AA  
Ralston Iron Wks., 222 How-  
ard (Bank; Office) ....C  
San Francisco Novelty &  
Plating Wks. (Bank; Of-  
fice) .....B  
**COLO.**—Denver  
Denver Wire & Iron Wks.,  
1403 Market (Bank; Of-  
fice) .....D  
Richter Iron Wks., 1521  
Stout (Bank; Office) .H

**RAILINGS (Con.)**  
**CONN.—Bridgeport**  
 Barnes, T. M., 151 Middle  
 (Bank; Office) .....A  
**CONN.—Georgetown**  
 Gilbert & Bennett Mfg. Co.  
 (Wire) .....AAA  
**CONN.—Hartford**  
 Howard & Co., Jas. L.  
 (Bank; Office) .....A  
**CONN.—Meriden**  
 Bradley & Hubbard Mfg. Co.  
 (Bank; Office) .....AAAA  
**CONN.—New Haven**  
 Smith & Co., Edw. F., 23  
 Center (Bank; Office,  
 etc.) .....A  
**CONN.—Norwich**  
 Norwich Nickel & Brass Co.  
 (Bank; Office; Plated  
 Counter; Brass Desk) ..B  
**CONN.—West Haven**  
 Yale Safe & Iron Co., 16  
 Richards (Bank; Office,  
 etc.) .....D  
**GA.—Atlanta**  
 Atlanta Wire & Iron Wks.  
 (Bridge; Cemetery) ...F  
**GA.—Dalton**  
 Manly Machine Co. (Bal-  
 cony) .....X  
**GA.—Savannah**  
 Kehoe & Co., Wm. (Iron) A  
**ILL.—Chicago**  
 Barbee Wire & Iron Wks.  
 (Church; Theatre; Floor;  
 Iron; Bank; Office; Coun-  
 ter; Wire; Boat) .....B  
 Booth, John, 116 Lake  
 (Bank; Office, etc.) ...B  
 Braumoeiler & Sons, Hy.  
 (Balcony, Iron) .....B  
 Chicago Ornamental Iron Co.  
 (Bank; Office; Bronze;  
 Architectural, etc.) ....C  
 Gilbert & Bennett Mfg. Co.,  
 153 Lake (Bank; Office,  
 etc.) .....AAA  
 Globe Iron Wks. (Iron) ..B  
 Hickey Wire & Iron Wks.,  
 M. H., 54 Dearborn (Ceme-  
 tery) .....F  
 Smith Wire & Iron Wks., F.  
 P., 100 Lake (Bank; Of-  
 fice; Cemetery) .....B  
 Sneed Architectural Iron  
 Wks., 10th & Hill (Bank;  
 Office) .....C  
 Turner Brass Wks. (Bank;  
 Office, etc.) .....D  
 Winslow Bros. Co., 368 Car-  
 rol Av. (Bank; Office;  
 Iron; Bronze; Brass) ..AA  
**ILL.—Edwardsville**  
 Edwardsville Brass Co.  
 (Bank; Office) .....B  
**ILL.—Rockford**  
 Andrews Wire & Iron Wks.  
 (Bank; Office) .....D  
**IND.—Evansville**  
 Mesker & Co., Geo. L.  
 (Bank; Office) .....AA  
**IOWA—Dubuque**  
 Carr, Ryder & Adams Co.,  
 Jackson, 9th & 10th  
 (Bank; Office) .....A  
**KY.—Louisville**  
 Dow Wire Wks. Co., 730 W.  
 Market (Bank; Office) ..D  
**MAINE—Portland**  
 Meguire & Jones Co., 33  
 Pearl (Bank; Office) B  
**MD.—Baltimore**  
 Balderston & Son, H., 119  
 Light (Bank; Office) ...D  
 Dufur & Co., 311 N. How-  
 ard (Bank; Office; Ceme-  
 tery) .....B  
**MASS.—Boston**  
 Bay State Brass Foundry,  
 155 A. (Bank; Office) ..D  
 Chelmsford Foundry Co.  
 (Bank; Office) .....D  
 Jones & Co., M. D., 71 Port-  
 land (Cemetery) .....F  
 Morse & Whyte, 75 Cornhill  
 (Bank; Office) .....A  
 Murdock Parlor Grate Co.,  
 156 Boylston (Bank; Of-  
 fice) .....B  
 National Mfg. Co., 72 Equi-  
 table Bldg. (Bank; Office)  
 B

**RAILINGS (Con.)**  
**MASS.—Clinton**  
 Clinton Wire Cloth Co. (Of-  
 fice Fixtures) .....AAA  
**MASS.—Lowell**  
 Rice & Co., 251 Mount Ver-  
 non (Bank; Office) ....D  
**MASS.—Springfield**  
 Bigelow-Cheney Wire Wks.  
 (Bank; Office) .....A  
 Chapman & Co., J. B.  
 (Brass) .....B  
 Emery Mfg. Co., P. P., 43  
 Hampden (Bank; Office)  
 O  
 Springfield Iron Wks., 108  
 Taylor (Bank; Office) D  
**MASS.—Worcester**  
 Dean & Co., H. E., 180 Aus-  
 tin (Bank; Office) ....D  
 Eastern Bridge & Structural  
 Co. (Bridge) .....B  
 National Mfg. Co. (Wire) A  
 Wright Wire Co. (Bank;  
 Office) .....AA  
**MICH.—Detroit**  
 Acme Fancy Wire Wks.  
 (Balcony; Boat) .....D  
 Amos & Co., Chas., 94 W.  
 Larned (Cemetery) ....B  
 Barnum Wire & Iron Wks.,  
 E. T., 103 Shelby (Bank;  
 Office; Cemetery) ....B  
 Bolles Iron & Wire Wks., J.  
 E. (Balcony; Bank; Of-  
 fice; Counter; Wire) ...X  
 Inglis Iron & Wire Wks., 59  
 Woodbridge (Bank; Of-  
 fice) .....D  
 Vulcan Co. (Cemetery) ..F  
**MICH.—Grand Rapids**  
 Grand Rapids Co. (Bank;  
 Office; Church; Theatre)  
 A  
**MINN.—Minneapolis**  
 Crown Iron Wks. Co., 118  
 Second Av. S. E. (Bridge)  
 B  
 Flour City Ornamental Iron  
 Wks., 27th Av. & 27th  
 (Bank; Office, etc.) ...C  
**MINN.—St. Paul**  
 Herzog Iron Wks. (Bank;  
 Office, etc.) .....D  
 Perkins Mfg. Co., 1121 E.  
 7th (Bank; Office, etc.) D  
**MO.—Kansas City**  
 Kansas City Wire & Iron  
 Wks. (Bank; Office;  
 Wire) .....B  
**MO.—St. Louis**  
 Globe Iron & Foundry Co.,  
 9th & Victor (Bank; Of-  
 fice, etc.) .....B  
 Koken Iron Wks., Koken  
 Bldg. (Bank; Office, etc.)  
 AA  
 Ludlow, Saylor Wire Co.,  
 4th & Elm (Bank; Office,  
 etc.) .....A  
 St. Louis Wire & Iron Co.,  
 520 Chouteau Av. (Bank;  
 Office, etc.) .....B  
 Union Iron & Foundry Co.,  
 1438 S. 2nd (Bank; Office,  
 etc.) .....B  
**NEBR.—Omaha**  
 Champion Wire & Iron Wks.,  
 617 S. 16th (Bank; Office,  
 etc.) .....F  
 N. J.—Bellefonte  
 De Witt Wire Cloth Co.  
 (Bank; Office, etc.) ..A  
 N. J.—Boonton  
 Lincoln Iron Wks. (Iron) A  
 N. Y.—Binghamton  
 Titchener & Co., E. H., 8  
 Spring (Bank; Office,  
 etc.) .....B  
 N. Y.—Brooklyn  
 Durst, Wm., 135 Front  
 (Bank; Office, etc.) ...D  
 Hecla Iron Wks. (Iron;  
 Wire) .....AA  
 Lister & Fee, 35 S. 5th  
 (Cemetery) .....F  
 McMurray, Wm. H., 365  
 Harman (Bank; Office;  
 etc.) .....C  
 N. Y.—Buffalo  
 Sanford, Thos. F., 198 Sene-  
 ca (Bank; Office, etc.) D  
 N. Y.—Marathon  
 Climax Road Machine Co.



# RAILINGS (Con.)

(Bridge) .....B  
**New York City**  
 Bayer, Gardiner & Himes,  
 157 W. 29th (Bank; Of-  
 fice, etc.) .....D  
 Cabaret, Paul E., 342 W.  
 14th (Bank; Office, etc.) D  
 Cabbie, Wm., 43 Fulton  
 (Bank; Office, etc.) ....B  
 Clinton Wire Cloth Co., 33  
 Park Pl. (Bank; Office,  
 etc.) .....A  
 Cornell Co., J. B. & J. M.  
 (Iron) .....AA  
 De Witt Wire Cloth Co., 17  
 Warren (Bank; Office,  
 etc.) .....A  
 Fiske Iron Wks., J. W., 39  
 Park Pl. (Bank; Office,  
 etc.) .....A  
 Gould's Son & Co., M., 83  
 Reade (Brass; Bronze;  
 Bank; Office, etc.) ...A  
 Hopkins & Co., 198 W.  
 Bway. (Bank; Office,  
 etc.) .....C  
 Howard & Morse, 45 Fulton  
 (Balcony; Bank; Office;  
 Brass; Cemetery; Counter;  
 Iron; Wire) .....D  
 Jackson Co., W. H. (Bank;  
 Office, etc.) .....C  
 Judd & Co., H. L. (Plated  
 Counter; Brass, Desk) AA  
 Lobel-Andrews Co., 531 W.  
 55th (Bank; Office, etc.) A  
 McLean, John, 298 Monroe  
 (Cemetery) .....D  
 Manhattan Brass Co., 334 E.  
 28th (Bank; Office, etc.) AA  
 Mott Iron Wks., J. L. (Iron) AA  
**New York Brass & Wire**  
 Wks. Co., 177 Grand  
 (Bank; Office, etc.) ...D  
 Pitt Composite Iron Wks.,  
 Wm. R., 111 Fifth Av.  
 (Bank; Office; Bridge,  
 etc.) .....D  
 Tyler Co., W. S., 11 Bway.  
 (Bank; Office, etc.) AAA  
 Union Equipment & Bronze  
 Co. (Altar) .....D  
 Westervelt, A. B. & W. T.,  
 102 Chambers (Bank; Of-  
 fice, etc.) .....B  
 Williams, John, 556 W. 27th  
 (Bank; Office, etc.) ...B  
 Williams & Sons, Geo. A.,  
 85 Fulton (Bank; Office,  
 etc.) .....B  
**N. Y.—Rochester**  
 Snow Wire Wks. Co., 76  
 Exchange (Bank; Office;  
 Brass, etc.) .....D  
**N. Y.—Troy**  
 Mahoney Mfg. Co. (Iron) B  
**OHIO—Cincinnati**  
 Art Metal Construction Co.  
 (Bank; Office, etc.) ...A  
 Bromwell Brush & Wire  
 Goods Co. (Bank; Office)  
 .....AA  
 Kinsley, Jno. R., 115 E. 6th  
 (Bank; Office, etc.) ...A  
 Michaels, Lewis, 216 W.  
 Pearl (Bank; Office, etc.) D  
 Stewart Iron Wks., 714 E.  
 3d (Cemetery) .....A  
**OHIO—Cleveland**  
 Cleveland Ornamental Fix-  
 ture Co., 60 High (Bank;  
 Office, etc.) .....C  
 Forest City Steel & Iron Co.,  
 10 Ramsey (Bank; Office,  
 etc.) .....A  
 Van Dorn Iron Wks. Co.,  
 1793 E. Madison Av.  
 (Bank; Office, etc.) ...A  
**OHIO—Columbus**  
 Columbus Brass Co., 94 N.  
 6th (Bank; Office, etc.) B  
 Kinkade & Liggett, Jeff. &  
 Curtis Av. (Bank; Office)  
 .....D  
**OHIO—Dayton**  
 City Forge & Iron Wks.  
 (Office Fixtures) .....D  
**OHIO—Hamilton**  
 Meyer's Mfg. Co., F. T.

# RAILINGS (Con.)

(Balcony; Bank; Office;  
 Cemetery; Counter; Wire)  
 .....B  
**OHIO—Kenton**  
 Champion Iron Co. (Balcony;  
 Cemetery; Iron) .....AA  
**OHIO—Springfield**  
 Rogers Iron Co. (Bank; Of-  
 fice; Bridge) .....C  
**OHIO—Toledo**  
 Donovan Wire & Iron Wks.  
 (Bank; Office) .....C  
**PA.—Allegheny**  
 Albree Iron Wks. Co., Ches-  
 ter B., 1115 Market  
 (Bridge) .....A  
**PA.—Mont Clare**  
 Hallman, Oliver (Bridge) F  
**PA.—Philadelphia**  
 Belmont Iron Wks., 22nd &  
 Washn. Av. (Bank; Of-  
 fice; Bridge) .....A  
 Darby & Sons, Edw. (Bank;  
 Office; Iron) .....A  
 De Witt Wire Cloth Co., 703  
 Market (Bank; Office) A  
 Gaumer Co., John L.  
 (Brass) .....C  
 Gensel & Co., Fred. (Bank;  
 Office) .....D  
 Glese & Goodyear Co., 1021  
 Ridge Av. (Bank; Office)  
 .....D  
 Halstead & Co., 1129 Cherry  
 (Bank; Office) .....D  
 Jackson & Cook, 318 Market  
 (Bank; Office) .....A  
 Merritt & Co., 1024 Ridge  
 Av. (Bridge; Cemetery) E  
 Remppis Co., Wm. F., With-  
 erspoon Bldg. (Bank; Of-  
 fice) .....C  
**PA.—Pittsburg**  
 Marshall Bros. (Iron) ...AA  
 Phoenix Steel Construction  
 Co., Penna. & 3d (Bridge)  
 .....G  
 Pittsburg Brass Mfg. Co.,  
 107 Wood (Bank; Office)  
 .....D  
 Vilsack Co., Martin, 3230  
 Penn Av. (Bridge) ...E  
**PA.—South Bethlehem**  
 Bethlehem Foundry & Ma-  
 chine Co. (Bridge) ....C  
**TENN.—Chattanooga**  
 Ornamental Iron & Wire Co.  
 (Bank; Office) .....B  
**VA.—Norfolk**  
 Roper Lumber Co., Jno. L.  
 (Cedar) .....AAA  
**WIS.—Milwaukee**  
 Bayley & Sons Co., Wm.  
 (Bank; Office; Cemetery)  
 .....A  
 Loeffelholz & Co., 170 Clin-  
 ton (Bank; Office) ...A  
 Wagner, A. F., 514 Market  
 (Bank; Office) .....D  
 Wisconsin Iron & Wire Wks.,  
 186 E. Water (Bank; Of-  
 fice) .....D

# RAILS

See also Hardware; Carriage

**COLO.—Denver**  
 Colorado Fuel & Iron Co.  
 (Light Steel) .....B  
**CONN.—Bridgeport**  
 Bridgeport Brass Co. (Brass  
 Door; Door; Barn Door)  
 .....AAA  
**CONN.—Derby**  
 Birmingham Iron Fdry.  
 (Iron) .....AA  
**CONN.—Mount Carmel**  
 Woodruff & Sons, Walter  
 W. (Dash) .....A  
**CONN.—New Britain**  
 Russell & Erwin Mfg. Co.  
 (Door; Barn Door) AAAA  
 Stanley Works (Door; Barn  
 Door) .....AAA  
 Union Mfg. Co. (Barn Door;  
 Door) .....AA  
**CONN.—New Haven**  
 Dann Bros. & Co. (Best  
 Wood Seat) .....B  
**CONN.—Norwich**  
 Norwich Nickel & Brass Co.

**RAILS (Con.)**  
 (Plated Counter) .....B  
**CONN.—Plantville**  
 Blakeslee Forging Co.  
 (Spindle) .....B  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co.  
 (Door; Barn Door) AAAA  
**CONN.—Stamford**  
 Yale & Towne Mfg. Co.  
 (Sliding Door) .....AAAA  
**CONN.—Waterbury**  
 Benedict & Burnham Mfg.  
 Co. (Door) .....AAAA  
 Holmes, Booth & Hayden  
 Co. (Door; Brass Door)  
 .....AAAA  
 Plume & Atwood Mfg. Co.  
 (Door; Brass Door) AAA  
 Scovill Mfg. Co. (Door;  
 Barn Door) .....AAAA  
 Waterbury Brass Co. (Door)  
 .....AAAA  
**ILL.—Aurora**  
 Richards Mfg. Co. (Door;  
 Barn Door) .....B  
 Wilcox Mfg. Co. (Sliding  
 Door; Barn Door) .....B  
**ILL.—Chicago**  
 Chicago Spring Butt. Co.  
 (Door; Barn Door) ....B  
 Illinois Steel Co. (The Rook-  
 ery) Light Steel) .....AAAA  
 Morden Frog & Crossing  
 Works (Guard) .....A  
 Republic Iron & Steel Co.  
 (Light Steel) .....AAAA  
**ILL.—Chicago Heights**  
 Inland Steel Co. (Light)  
 .....AAAA  
**ILL.—De Kalb**  
 De Kalb Fence Co. (Steel)  
 .....AA  
**ILL.—Harvard**  
 Hunt, Helm, Ferris & Co.  
 (Barn Door) .....AA  
**ILL.—Ottawa**  
 Porter Co., J. E. (Door;  
 Barn Door) .....A  
**ILL.—Sterling**  
 Lawrence Bros. (Barn Door)  
 .....AAA  
 National Mfg. Co. (Door;  
 Barn Door) .....C  
**MD.—Cumberland**  
 Maryland Rail Co. (Steel,  
 Light, 12 to 35 lbs.) ...B  
**MASS.—Boston**  
 Harrington, Robinson &  
 Co. (Second Hand) .....D  
**MASS.—Cambridge**  
 Barbour Stockwell Co. (Iron;  
 Girder; Steel) .....A  
**MICH.—Albion**  
 Pronty Co., (Ltd.) T. C.  
 (Barn Door) .....B  
**MICH.—Detroit**  
 Amos & Co., Chas. A., 94 W.  
 Larned (Brass Altar) ...E  
 Detroit Shipbuilding Co.  
 (Brass Dept. — Hand;  
 Foot) .....AAAA  
**MO.—St. Louis**  
 Harry Steel Works, O. K.  
 (Light T.) .....B  
 Kupferle, Jno. C. (Door;  
 Barn; Sliding Door, etc.)  
 .....AA  
**N. J.—Harrison**  
 Atha Steel Co. (Mine) AAAA  
**N. J.—Newark**  
 Searles Mfg. Co. (Dash) .B  
**N. J.—Trenton**  
 Trenton Iron Co. (Sus-  
 pended) .....A  
**N. Y.—Auburn**  
 Clapp Mfg. Co., E. D.  
 (Shifting) .....B  
**N. Y.—Binghamton**  
 Crandal Stone & Co.  
 (Shifting) .....A  
**N. Y.—Brooklyn**  
 Logan Iron Works (Light  
 T.) .....B  
**N. Y.—Buffalo**  
 Lackawanna Steel Co.  
 (Light Steel) .....AAAA  
 Pratt & Letchworth Co.  
 (Shifting) .....AAA  
**N. Y.—Elmira**  
 Crook & Carrier Mfg. Co.  
 (Sliding Door; Door; Barn  
 Door) .....B

**RAILS (Con.)**  
**N. Y.—Long Island City**  
 Steubner, G. L. (Steel) ..O  
**New York City**  
 Ansonia Brass & Copper Co.  
 (Brass Door) .....AAAA  
 Carey, Geo. H. (Iron; Sec-  
 ond Hand) .....D  
 Church Art Work Co., 258  
 Fourth Av. (Brass Altar)  
 .....X  
 Judd & Co., H. L. (Plated  
 Counter) .....AA  
 Koppel, Arthur, 68 Broad  
 (Steel) .....A  
 Leavitt & Co., C. W., 15  
 Cortlandt (Steel) .....D  
 McCabe Hanger Mfg. Co.  
 (Sliding Door) .....B  
 Metal Stamping Co.  
 (Shifting) .....A  
 Steel Rail Supply Co. (Sec-  
 ond Hand) .....A  
**N. Y.—Poughkeepsie**  
 Lane Bros. Co. (Door; Barn  
 Door) .....A  
**N. Y.—Rome**  
 Rome Brass & Copper Co.  
 (Door) .....AAAA  
**N. Y.—Syracuse**  
 Stearns & Co., E. C.  
 (Door) .....AA  
**N. Y.—Tonawanda**  
 Buffalo Steel Co. (Light) AA  
**OHIO—Ashland**  
 Safety Door Hanger Co.  
 (Door; Barn Door) ....D  
**OHIO—Cambridge**  
 Cambridge Rolling Mill Co.  
 (Light) .....B  
**OHIO—Canton**  
 Wey Mfg. Co. (Suspended;  
 Door; Barn Door) ....B  
**OHIO—Cincinnati**  
 Corcoran's Sons, Thos. H.  
 (Dash) .....B  
**OHIO—Cleveland**  
 Atlas Car & Mfg. Co. (Light  
 Steel) .....AA  
 Chisholm & Moore Mfg. Co.  
 (Door; Barn Door) ....AA  
 Fulton Foundry Co. (Curved;  
 Iron; Steel; Street) ..O  
**OHIO—Columbus**  
 Peters & Herrin Dash Co.  
 (Dash) .....O  
**OHIO—Dayton**  
 Dayton Mfg. Co. (Car Plat-  
 form) .....A  
**PA.—Allegheny**  
 McKinney Mfg. Co. (Door;  
 Barn Door) .....AAA  
**PA.—Allentown**  
 Allentown Rolling Mills  
 (Iron; Steel) .....AAA  
**PA.—Erie**  
 Griffin Mfg. Co. (Door;  
 Barn Door) .....A  
**PA.—Hollidaysburg**  
 Hollidaysburg Iron & Nail  
 Co. (Light) .....A  
**PA.—Philadelphia**  
 Cambria Steel Co. ....AAAA  
 Camden Iron Works (Iron;  
 Light T.; Steel Street;  
 Sliding Door) .....A  
 Cenard, T. P., 119 S. 4th  
 (Steel) .....C  
 Donaldson & Newton, 421  
 Chestnut (Light, Steel) D  
 Frankford Steel & Forging  
 Co. (Steel) .....X  
 Harrington, Son & Co., Ed-  
 win, 1515 Penna. Av. (Sus-  
 pended) .....AA  
 Wharton & Co., Wm. Jr.  
 (Inc.) (Curved; Steel;  
 Street) .....AAA  
**PA.—Pittsburg**  
 Baumgarten & Bros., A. F.,  
 Farmers Bank Bldg.  
 (Light) .....C  
 Carnegie Steel Co. (Ltd.)  
 Carnegie Bldg. (Steel;  
 Iron; Light T.) .....AAAA  
 Jones & Laughlins Steel Co.  
 (Ltd.) (Light up to 40  
 lb.; Steel; Mine) AAAA  
 McKenna Bros. Brass Co.  
 (Door; Barn Door) ....A  
 Standard Chain Co. (Light  
 12 to 14 lbs.) .....AAAA

**RAILS (Con.)**

**PA.—Reading**  
Penn Hardware Co. (Sliding Door) .....AA  
Reading Hardware Co. (Door; Barn Door) AAAAA  
Reading Iron Co. (Light Steel) .....AAAA  
**PA.—South Bethlehem**  
Bethlehem Iron Co. (Iron; Steel) .....AAAA  
**PA.—Steelton**  
Pennsylvania Steel Co. (Light; Sliding Door; Steel; Curved; Guard; Light T.; Mine; Street; Garden) .....AAAA  
**PA.—Tamaqua**  
Tamaqua Mfg. Co. (Stool) B  
**R. I.—Providence**  
New England Butt Co. (Barn Door) .....AA  
**TENN.—Knoxville**  
Knoxville Iron Co. (Light T.) .....AA  
**W. VA.—Fairmont**  
Fairmont Steel Co. (Light) B  
**W. VA.—Huntington**  
Union Rail Co. (Light) ..X  
**WIS.—South Milwaukee**  
Stowell Mfg. & Foundry Co. (Barn Door; Steel Door) A

**RAILWAYS**

**ILL.—Chicago**  
Hoisting & Conveying Machine Co., 44 N. Elizabeth (Industrial) .....E  
**ILL.—Harvey**  
Whiting Foundry Equipment Co. (Industrial) .....AA  
**IND.—Mishawaka**  
Dodge Mfg. Co. (Industrial) AAA  
**MD.—Baltimore**  
Poole Engineering & Machine Co. (Marine) ...AA  
**MASS.—Boston**  
Sturtevant Co., B. F. (Industrial) .....AAA  
**MICH.—Detroit**  
Russell Wheel & Foundry Co. (Industrial) .....AA  
**MINN.—Minneapolis**  
Peteler Portable Railway Mfg. Co. (Portable) ...C  
**N. J.—Trenton**  
Trenton Iron Co. (Elevated) A  
**New York City**  
Koppel, Arthur (Industrial; Portable) .....A  
Krajewski, Pesant & Co. (Marine) .....AA  
N. Jersey Foundry & Machine Co. (Industrial) B  
Turlis Sons, John (Plantation Portable) .....D  
**N. Y.—North Tonawanda**  
Armitage - Herschell Co. (Miniature, Steam; Mountain) .....B  
**N. Y.—West New Brighton**  
Hunt Co., C. W. (Industrial) AA  
**OHIO—Cincinnati**  
Creaghead Engineering Co. (Electric) .....D  
**OHIO—Cleveland**  
Atlas Car & Mfg. Co. (Industrial) .....AA  
King Bridge Co. (Elevated) AAAAA  
**PA.—Philadelphia**  
Pennsylvania Steel Co. (Elevated; Portable) ..AAAA  
Phoenix Bridge Co. (Elevated) .....A  
Wharton Jr. & Co., Wm. (Portable; Mine; Electric) AAA  
**PA.—Pittsburg**  
Westinghouse Electric & Mfg. Co. (Electric) AAAAA

**RAIN COATS**

See Clothing: Men's

**RAISERS****CONN.—Norwich****RAISERS (Con.)**

**Rogers & Co., C. B. (Panel) AAAAA**  
**ILL.—Chicago**  
Boyd, Jno. (Cream) .....B  
**ILL.—Rockford**  
Palmer Co., H. H. (Cream) D  
**IOWA—Clinton**  
Moseley & Pritchard Mfg. Co. (Cream) .....D  
**MICH.—Flint**  
Flint Cabinet Creamery Co. (Cream) .....E  
**MICH.—Grand Rapids**  
Grand Rapids Refrigerator Co. (Cream) .....A  
**N. J.—Smithville**  
Smith Machine Co., H. B. (Panel) .....A  
**New York City**  
American Wood Working Machine Co. (Panel) AAAAA  
**N. Y.—Syracuse**  
Gowing, D. H. (Cream) ...C  
**N. Y.—Utica**  
Jones, Frank L. (Cream) C  
**OHIO—Cincinnati**  
Fay, J. A. & Egan Co. (Panel) .....AAAA  
**PA.—Philadelphia**  
Colladay, Jos. O. (Panel) B  
Power & Co., C. L. (Panel) A  
**VT.—Bellows Falls**  
Vermont Farm Machine Co. (Cream) .....C  
**VT.—Rutland**  
Stoddard Mfg. Co. (Cream) B  
**WIS.—Beloit**  
Berlin Machine Works (Panel) .....AAAA  
**WIS.—Fort Atkinson**  
Cornish, Curtis & Greene Mfg. Co. (Cream) .....A  
Hoard, A. R. (Cream) ....A  
**WIS.—Whitewater**  
Billett & Marshall (Cream) B  
**RAISINS**  
**CAL.—Armona**  
Armsby Co., J. K. (Br. Chicago) .....A  
Downing, Chas. ....C  
**CAL.—Fowler**  
Chaddock & Co. ....A  
Phoenix Raisin Seeding & Pack. Co. ....B  
**CAL.—Fresno**  
Bonner Vineyard Co. ....B  
Calif. Raisin Growers' Assn. A  
Castle Bros. (Br. San Fran.) AA  
Co-operative Packers Assn. B  
Forsyth Seeded Raisin Co. B  
Griffin & Skelley Co. (Br. San Fran.) .....A  
Inderrieden & Co., J. B. AA  
Phoenix Raisin Seeding & Pack. Co. ....B  
Producers Raisin Packing Co. ....B  
St. George Vineyard .....B  
**CAL.—Kingsburg**  
Kingsburg Co-op. Pack. Assn. ....C  
**CAL.—Los Angeles**  
Germain Fruit Co. ....A  
Simpson & Hack Fruit Co. (Inc.) .....C  
**CAL.—Madera**  
Savre, A. L. ....B  
**CAL.—Modesto**  
McHenry Seeded Raisin Co. AA  
**CAL.—Oleander**  
Oleander Pack Co. ....C  
**CAL.—Riverside**  
Pattee & Lett Co. ....AAAA  
**CAL.—San Francisco**  
Armsby Co., J. K. ....A  
Castle Bros., 413 Mission AA  
Eggers Vineyard Co., 214 Calif. ....A  
Guggenbime & Co., 118 Davis .....A  
Phoenix Raisin Seeding & Pack. Co. ....B  
Rosenberg Bros. Co., 211 Calif. ....A

**RAISINS (Con.)**

**CAL.—San Jose**  
 Castle Bros .....AA  
 Griffin & Skelley Co. ....A  
 Phoenix Raisin Seeding &  
 Pack. Co. ....B  
**CAL.—Solms**  
 Matthews & Jones .....C  
**CAL.—Visalia**  
 Downing, Charles .....C  
 New York City  
 Hartwig & Bennett, 61 N.  
 Moore .....A  
 Higgins & Co., W. A., 374  
 Washn. ....B

**RAKES**

See also Agr. Imps

**CAL.—San Francisco**  
 Jackson - Bryan Machine  
 Works, 411 Market  
 (Hand Hay; Horse Hay) .....A

**CONN.—Higginum**  
 Scovill, D. & H. (Iron  
 Hand) .....A

**CONN.—New Hartford**  
 Rogers Rake Co. (Wooden  
 Hand; Hand Hay) .....E

**ILL.—Belleville**  
 Sucker State Drill Co.  
 (Sulky Hay) = .....A

**ILL.—Bradley**  
 Bradley Mfg. Co., David  
 (Horse Hay; Sulky Hay) .....AAA

**ILL.—Chicago**  
 International Harvester Co.  
 (Horse; Sulky Hay) .....AAAA

**ILL.—Decatur**  
 Chambers - Bering - Quin-  
 lan Co. (Side Delivery  
 Hay) .....A

**ILL.—Dixon**  
 Grand Detour Plow Co.  
 (Sulky Hay) .....AA

**ILL.—Lincoln**  
 Sheer, Eugene (Stalk)...D

**ILL.—Moline**  
 Deere & Mansur Co. (Hand  
 Hay; Side Delivery Hay;  
 Horse Hay; Sulky Hay)...AAAA

**Moline Plow Co. (Sulky  
 Hay) .....AAAA**

**ILL.—Peoria**  
 Luthy & Co. (Stalk) ....A

**ILL.—Rockford**  
 Emerson Mfg. Co. (Inc.)  
 (Horse Hay; Sulky Hay) .....AAA

**ILL.—Rock Island**  
 Rock Island Plow Co.  
 (Steel) .....AAAA

**ILL.—Sandwich**  
 Sandwich Mfg. Co. (Horse  
 Hay) .....AA

**ILL.—Sterling**  
 Keystone Co. (Side Delivery  
 Hay; Drag; Horse Hay) .....AA

**Sterling Mfg. Co. (Revol-  
 ving Hay; Side Delivery;  
 Hay; Horse; Sulky Hay) .....A**

**ILL.—Liberty**  
 Rude Bros. Mfg. Co. (Sul-  
 ky; Hay) .....A

**IND.—Richmond**  
 Wayne Works (Wooden;  
 Hay) = .....A

**IND.—Terre Haute**  
 Terre Haute Shovel & Tool  
 Co. (Iron Hand) .....A

**IND.—Vernon**  
 Reed & Rogers Mfg. Co.  
 (Revolving Hay) .....E

**IOWA—Fort Madison**  
 Iowa Farming Tool Co.  
 (Garden or Lawn Hand;  
 Hay) .....AA

**IOWA—Ottumwa**  
 Dain Mfg. Co. (Side Deliv-  
 ery Hay) .....AA

**MASS.—Chicopee Falls**  
 Belcher & Taylor Agricul-  
 tural Tool Co. (Horse;  
 Hay; Sulky Hay) .....A

**MASS.—Greenfield**  
 Rugg Mfg. Co. (Wooden

**RAKES (Con.)**

Hand; Drag; Hand Hay) .....E

**MASS.—Tyringham**  
 Garfield, D. M. (Hand  
 Hay) .....F

**MASS.—Winchendon**  
 Streeter, Alvin (Coal;  
 Ballast) .....A

**MICH.—Charlotte**  
 Benton Mfg. Co. (Wooden  
 Hand; Wooden Hay;  
 Horse Hay) .....A

**MICH.—Jackson**  
 Withington & Cooley Mfg.  
 Co. (Garden or Lawn;  
 Steel; Clam; Gravel; As-  
 phalt; Ballast) .....AA

**MICH.—Kalamazoo**  
 Reed Mfg. Co. (Hay)...D

**MINN.—Minneapolis**  
 Howell & Co., R. R.  
 (Sulky Hay) .....B

**N. H.—Marlow**  
 Phelps, F. (Wooden Hand)  
 .....G

**N. H.—South Tamworth**  
 Bartlett & Son, L. B.  
 (Wooden Hand) .....E

**N. H.—Sunapee**  
 Alexander & Perkins (Gar-  
 den or Lawn) .....F

**Sleeper, B. R. (Garden or  
 Lawn) .....G**

**N. Y.—Auburn**  
 Osborn & Co., D. M. (Spring  
 Tooth; Horse Hay).....AAAA

**N. Y.—Buffalo**  
 Buffalo-Pitts. Co. (Hay)...AAAA

**N. Y.—Canastota**  
 Patton & Stafford (Wooden  
 Hand; Sulky Hay) .....A

**N. Y.—Elmira**  
 Cronk & Carrier Mfg. Co.  
 (Brace - Wrought Steel;  
 Malleable Iron; Garden  
 or Lawn) .....B

**N. Y.—Frankfort**  
 Continental Tool Co. (Solid  
 Steel; also Malleable Gar-  
 den or Lawn Ban) .....A

**N. Y.—Hoosick Falls**  
 Wood Mowing & Reaping  
 Machine Co. (Horse; Sul-  
 ky Hay) .....AAAA

**N. Y.—Ithaca**  
 Williams Bros. (Horse;  
 Sulky Hay) .....AA

**N. Y.—Napanoch**  
 Whiteley, W. W. (Wooden  
 Hand) = .....H

**N. Y.—Newburgh**  
 Coldwell Lawn Mower Co.  
 (Lawn) .....A

**N. Y.—Troy**  
 Lane & Gale (Iron; Hand)  
 .....A

**N. Y.—Union**  
 Heath, M. (Wooden Hand)  
 .....F

**OHIO—Burton**  
 Burton Handle Co. (Wooden  
 Hand; Revolving Hay)...B

**OHIO—Canfield**  
 Canfield Mfg. & Novelty  
 Co. (Wooden Hand) ...E

**OHIO—Canton**  
 Gibbs Mfg. Co. (Iron Hand;  
 Garden; Lawn) .....A

**Kohler & Co., F. E. (Gar-  
 den or Lawn) .....B**

**Ney Mfg. Co. (Automatic  
 Self-Cleaning Lawn)...B**

**OHIO—Cleveland**  
 American Fork & Hoe Co.  
 (Asphalt; Garden; Lawn;  
 Wood; Ballast; Gravel)...AAAA

**Avery Stamping Co. (Steel)  
 .....B**

**OHIO—Columbus**  
 Brown, Hinman & Hunting-  
 ton Co.\* (Steel; Malleable  
 Iron; Road; Potato, etc.)  
 U. S. Hoe & Tool Co. (Iron  
 Garden, etc.) .....A

**OHIO—Dayton**  
 Ohio Rake Co. (Revolving  
 Hay; Horse Hay) .....AA

**Stoddard Mfg. Co. (Hand  
 Hay; Sulky Hay) ...AAA**

**RAKES (Con.)**

**OHIO—Galena**  
Hughes & Smythe (Revolving Hay) .....C

**OHIO—Hamilton**  
Deuscher Co., H. P. (Horse Hay; Sulky Hay) .....A

**Long & Allstatter Co.**  
(Horse Hay; Sulky Hay) .....AA

**OHIO—Lancaster**  
Hocking Valley Mfg. Co. (Sulky Hay) .....A

**OHIO—Piqua**  
Piqua Handle & Mfg. Co. (Steel; Weldless; Malleable Iron; Garden or Lawn) .....A

**OHIO—Shenandoah**  
McClain, J. K. (Wooden Hand) .....E

**OHIO—Springfield**  
Mast & Co., P. P. (Horse Hay) .....AAAA

**Thomas Mfg. Co.**  
(Hand Hay; Sulky Hay; Horse Hay) .....AAA

**OHIO—Tippecanoe**  
Miller, Jos. W. (Wooden Hand) .....G

**OHIO—Trail**  
Brandt, G. (Wooden Hand) .....G

**PA.—Bellefonte**  
Howard Iron & Tool Co. (Weldless; Steel Garden or Lawn) .....B

**PA.—Elizabethtown**  
Buch's Sons, A. (Hay)....A

**PA.—Mechanicsburg**  
Comstock, Geo. S. (Horse Hay; Hand Hay) .....C

**PA.—Mifflinsburg**  
Allbright & Sons, J. H. (Wooden Hand) .....C

**PA.—Morrell**  
Union Furnace Mfg. Co. (Malleable Iron; Garden or Lawn) .....A

**PA.—Oakford**  
Van Sant, Edw. (Wooden Hand) .....G

**PA.—Philadelphia**  
Myers & Ervien Co. (Iron; Hand) .....R

**PA.—Tatamy**  
Messinger Mfg. Co. (Horse Hay) .....B

**PA.—York**  
Farquhar Co., A. B. (Ltd.) (Horse Hay; Sulky Hay) .....AAA

**Keystone Farm Machine Co.**  
(Weeder) .....B

**TENN.—Harriman**  
Harriman Hoe & Tool Co. (Iron; Hand) .....A

**VT.—Bellows Falls**  
Derby & Ball (Garden or Lawn) .....B

**VT.—Brookfield**  
Peck, Clark & Co. (Iron Hand) .....B

**VT.—East Johnson**  
Stearns, W. H. (Wood Hand) .....D

**VT.—Hartford**  
French, Watson & Co. (Iron; Hand) .....C

**VT.—St. Johnsbury**  
Elv Hoe & Fork Co. (Iron; Hand) .....B

**VT.—Wallingford**  
Batcheller & Sons Co. (Iron; Hand) .....A

**VT.—Westminster**  
Wellman, H. E. (Wood Hand) .....F

**W. VA.—Wheeling**  
Warwood Tool Co. (Iron Hand) .....A

**WIS.—Beaver Dam**  
Rowell Mfg. Co., J. S. (Sulky; Hay) .....=A

**WIS.—Beloit**  
Thompson & Sons Mfg. Co., J. (Stalk; Hand Hay; Horse Hay) .....AA

**WIS.—Hericon**  
Van Brunt Mfg. Co. (Sulky Hay) .....AA

**WIS.—Madison**  
Fuller & Johnson Mfg. Co.

**RAKES (Con.)**

(Hand Hay; Horse Hay; Sulky Hay) .....AAA

**WIS.—Racine**  
Foster & Williams Mfg. Co. (Drag; Hay) .....B

**RAMMERS**

**ILL.—Chicago**  
Chicago Pneumatic Tool Co. Fisher Bldg. (Foundry) .....AAAA

**Union Elevator & Machine Co.**  
144 Ontario (Foundry) .....C

**MICH.—Detroit**  
Anderson & Sons, W. H. (Paving) .....C

**MO.—St. Louis**  
Standard Railway Equipment Co., Union Trust Bldg. (Pneumatic Foundry) .....G

**OHIO—Cincinnati**  
Obermayer & Co., S. (Moulders'; Floor; Foundry) .....AA

**OHIO—Cleveland**  
Osborn Mfg. Co. (Foundry) .....B

**Smith Fdry. Supply Co.**  
(Wood) .....D

**OHIO—Piqua**  
Piqua Handle & Mfg. Co. (Foundry; also Moulders' Bench; Moulders' Floor) .....A

**OHIO—Sandusky**  
Sandusky Tool Co., J. W. (Sandusky) .....AA

**PA.—Philadelphia**  
Philadelphia Pneumatic Tool Co., 21st & Allegheny Av. (Foundry)....B

**R. I.—Providence**  
Brown & Sharpe Mfg. Co. (Foundry) .....AAAA

**RAMS**

**CAL.—San Francisco**  
Garratt & Co., W. T. (Inc.), 142 Fremont (Hydraulic) .....AA

**Pelton Water Mill Co.**  
127 Main (Hydraulic) ....AA

**CONN.—New Britain**  
Union Mfg. Co. (Hydraulic) .....AA

**DEL.—Wilmington**  
Gawthrop, Jr., Allen, 100 W. 4th (Hydraulic) ....E

**ILL.—Chicago**  
Fairbanks, Morse & Co., Franklin & Monroe (Hydraulic) .....AAAA

**ILL.—Rockford**  
Trahen Pump Co. (Hydraulic) .....A

**Ward Pump Co.**  
(Hydraulic) .....B

**New York City**  
Douglas, F. & B., 88 John (Hydraulic) .....A

**Hanson & Rhodes.**  
157 W. 29th (Hydraulic) .....F

**Power Specialty Co.**  
126 Liberty (Hydraulic) ....E

**Watson-Stillman Co.**  
(Hydraulic) .....A

**N. Y.—Seneca Falls**  
Gleason-Bailey-Sciple Mfg. Co. (Hydraulic) .....D

**Goulds Mfg. Co.**  
(Hydraulic) .....AAA

**Rumsey & Co. (Ltd.)**  
(Inc.) (Hydraulic) .....A

**N. Y.—Utica**  
Millar & Son, Chas. (Hydraulic) .....AA

**OHIO—Ashland**  
Myers & Bros., F. E. (Hydraulic) .....AAAA

**OHIO—Columbiana**  
Columbiana Pump Co. (Hydraulic) .....B

**OHIO—Mansfield**  
Barnes Mfg. Co. (Hydraulic) .....A

**Humphreys Mfg. Co.**  
(Hydraulic) .....B

**RAMS (Con.)**  
**OHIO—Salem**  
 Deming Co. (Hydraulic).AA  
**PA.—Beavertown**  
 Kline, Jas. M. (Hydraulic) F  
**PA.—Chester**  
 Niagara Hydraulic Engine  
 Co. (Hydraulic) .....B  
**PA.—Philadelphia**  
 Wood & Co., R. D., 400  
 Chestnut (Hydraulic)....  
 AAAA  
**VA.—Waynesboro**  
 Rife & Schoppert Co.  
 (Hydraulic) .....E

## RANGES.

See Stoves

## RASPS

See also Files

**N. J.—Newark**  
 Heller Bros. Co., 879 Mt.  
 Prospect Av. (Horse  
 Tooth) .....AA  
**N. Y.—Troy**  
 Troy File Works .....D  
**PA.—Philadelphia**  
 Barnett Co., G. & H. ....X  
 Disston & Sons Co., Hy.  
 (Horse Tooth) .....AAAA  
 Horn & Bros., Wm. H.  
 (Horse) .....B  
 McCaffrey File Co., 5th &  
 Berks .....AA  
**PA.—Reading**  
 Carpenter Steel Co.  
 (Steel) .....B  
 Tragle Mfg. Co. (Veterin-  
 ary) .....F  
**R. I.—Providence**  
 Chatterton File Works  
 (Horse) .....X  
 Nicholson File Co. (Horse  
 Tooth) .....AAAA  
**WIS.—Milwaukee**  
 Milwaukee File Wks.  
 (Horse) .....B  
 Westfahl & Co., F. ....C

## RATCHETS

**CONN.—Hartford**  
 Pratt & Whitney Co. ....AAAA  
**ILL.—Chicago**  
 Adams & Westlake Co., On-  
 tario, cor. N. Franklin  
 (Desk Sash) .....AAAA  
 Armstrong Bros. Tool Co.,  
 617 Austin Av. (Univer-  
 sal) .....B  
 Lovejoy, T. H., 90 Ohio  
 (Packer) .....D  
**ILL.—Sterling**  
 Chain Stay Fence Co.  
 (Fence) .....E  
**MASS.—Boston**  
 Walworth Mfg. Co. ....AAAA  
**MICH.—Jackson**  
 Electric Oil Stove Co.  
 (Fence) .....B  
**N. Y.—Buffalo**  
 Keystone Mfg. Co. ....B  
**OHIO—Cleveland**  
 Cleveland Hardware Co.  
 (Wagon Brake) .....AA  
**OHIO—Dayton**  
 Dayton Mfg. Co. (Desk;  
 Sash) .....A

## RATTAN GOODS

See Furniture

## RATTAN

**IND.—Indianapolis**  
 Capital Rattan Co. ....D  
**IND.—Michigan City**  
 Western Cane Seating Co. B  
**MASS.—Gardner**  
 Heywood Bros. & Wakefield  
 Co. ....AAAA  
**N. Y.—Brooklyn**  
 American Rattan & Reed  
 Mfg. Co., 18 Guernsey ..A

**RATTAN (Con.)**  
**New York City**  
 Hale & Kilburn Mfg. Co.  
 (Woven) .....AAAA  
 Rattan & Cane Co., 66 W.  
 B'way .....B

## RATTLERS

See also Hardware; Carriage

**CONN.—Bristol**  
 Dunbar Bros. (Anti-Shaft) B  
**CONN.—Collinsville**  
 Hartigan, Wm. R. (Anti-  
 Shaft) .....A  
**IOWA—Marshalltown**  
 Argis Co. (Anti-Shaft)....X  
**MASS.—Boston**  
 Boston Belting Co. (Anti-  
 Carriage; Anti-Shaft;  
 Window; Thill) .....AAAA  
**MASS.—Bridgewater**  
 Miller's Sons, H. J. (Mail) D  
 Perkins Co., Henry (Nail) B  
**N. J.—Jersey City**  
 New Jersey Car Spring &  
 Rubber Co. (Anti-Rubber  
 Shaft) .....AA  
**N. J.—Newark**  
 Searls Mfg. Co. (Anti-  
 Shaft) .....B  
**N. J.—Trenton**  
 Empire Rubber Mfg. Co.  
 (Anti-Shaft) .....AA  
 Home Rubber Co. (Anti-  
 Shaft) .....AA  
 Trenton Rubber Mfg. Co.  
 (Anti-Shaft) .....A  
 United Rubber Co. (Anti-  
 Window) .....AAAA  
**New York City**  
 Goodyear Rubber Co. (Anti-  
 Shaft) .....AAAA  
 Gutta Percha & Rubber  
 Mfg. Co. (Anti-Shaft)...  
 AAAA  
 Metal Stamping Co., 468  
 W. B'way (Anti-Window;  
 Shaft) .....A  
 New York Belting & Pack-  
 ing Co. (Anti-Shaft) ...  
 AAA

Rubber Goods Mfg. Co., 253  
 B'way (Anti-Rubber  
 Shaft) .....AAAA  
**OHIO—Canton**  
 Kohler & Co., F. E. (Anti-  
 Window; Carriage; Thill;  
 Anti-Shaft) .....B  
**OHIO—Cincinnati**  
 Monarch Carriage Goods Co.  
 (Anti-Shaft) .....B  
**OHIO—Cleveland**  
 Garry Iron & Steel Co.  
 (Anti-Shaft) .....A  
**PA.—Corry**  
 Raymond Mfg. Co. (Ltd.)  
 (Anti-Shaft) .....B  
**PA.—North East**  
 Fernald Mfg. Co. (Anti-  
 Steel Shaft) .....D  
**R. I.—Providence**  
 Browne & Sharpe Mfg. Co.  
 AAAA

## RATTLES

See also Toys

**CONN.—Middletown**  
 Kirby Mfg. Co. (Babies')..B  
**N. J.—Newark**  
 Celluloid Co. (Toy) .....B  
**N. Y.—Buffalo**  
 Shepard & Co., Sidney  
 (Toy) .....AAAA  
**New York City**  
 Goodyear Rubber Co. (Toy)  
 AAAA  
 Grote & Co., F. (Ivory)...D  
 Hodgman Rubber Co. (Toy)  
 AA

## RAVELERS

**N. Y.—Philmont**  
 American Raveler Co. ...X

## RAWBONE

**CONN.—Middletown**  
Rogers & Hubbard Co.  
(Granulated) .....A  
**New York City**  
Coopers Glue Factory, Peter  
13 Burling Slip (Boiled) .....AA  
**Lister Agricultural & Chem-  
ical Wks., 26 B'way**  
(Granulated) .....AAAA  
Taylor, Geo. F., 80 Pine  
(Granulated) .....F  
**PA.—Carbondale**  
Carbondale Chemical Co.  
(Granulated) .....E  
**PA.—York**  
York Chemical Wks. (Gran-  
ulated) .....A

## RAWHIDE

**ILL.—Chicago**  
Chicago Rawhide Mfg. Co. ....A  
**MASS.—South Attleboro**  
Coupe & Co., Wm. ....X  
**MICH.—Niles**  
National Rawhide & Belting  
Co. ....C  
**N. J.—Newark**  
Whiting & Co., C. R.  
(Trunk Binding) .....D  
**New York City**  
Neumann & Co., R. ....A  
Rahmann & Co., Geo. ....C  
United States Leather Co. ....AAAA  
**N. Y.—Rochester**  
Riggs, L. F. & G. B. ....E  
**OHIO.—Cincinnati**  
Trautmont Co., C. ....A  
**PA.—Philadelphia**  
Janney & Sons, E. K. ....AAA

## RAZORS

**CONN.—Bridgeport**  
Challenge Cutlery Corp. ....A  
**CONN.—Southington**  
Southington Cutlery Co. ....AA  
**CONN.—Wallingford**  
Wallace Sons Mfg. Co., R. ....AAAA  
**CONN.—West Winsted**  
Empire Knife Co. ....B  
**ILL.—Chicago**  
Gillette Sales Co., Man  
Bldg. (Safety) .....B  
**IOWA.—Dubuque**  
Fox Cutlery Co. ....D  
**MASS.—Boston**  
Gillette Safety Razor Co.,  
394 Atlantic Av. (Safety) .....D  
**MASS.—Millbury**  
Buck, Charles. ....B  
Buck Bros. ....A  
**MASS.—Worcester**  
Torrey & Co., J. R. ....A  
**N. Y.—Geneva**  
Geneva Cutlery Co. ....D  
**N. Y.—Little Falls**  
Korn Razor Mfg. Co., G.  
W. ....D  
**New York City**  
Kampfe Bros. (Safety) ....B  
Pall Mall Electric Associa-  
tion, 870 B'way (Safety) .....F  
Silberstein, A. L., 459  
B'way (Safety) .....A  
Smith & Hemenway Co., 298  
B'way .....D  
Wiebusch & Hilger, 9 Mur-  
ray .....A  
**N. Y.—Rochester**  
Robeson Cutlery Co. ....A  
**N. Y.—Syracuse**  
Glinton Knitting Co.  
(Safety) .....X  
**PA.—Philadelphia**  
Hessenbrunsh, H. ....A  
**PA.—Titusville**  
Schatt & Morgan Cutlery  
Co. ....B

## REAMERS

**CONN.—Bridgeport**  
Bridgeport Hdw. Mfg. Co.  
(Belt) .....B

## REAMERS (Con.)

**CONN.—Hamden**  
Hamden Mfg. Co. (Lead  
Pipe) .....E  
**CONN.—Hartford**  
Billings & Spencer Co.  
(Belt) .....AA  
Pratt & Whitney Co. (Cen-  
ter; Chucking; Hand;  
Shell; Taper; Pipe) .....AAAA  
**CONN.—Tolland**  
Clough, R. M. (Shell;  
Hand; Adjustable; Chuck-  
ing; Expansion) .....D  
**ILL.—Chicago**  
Chicago Pneumatic Tool Co.,  
Fisher Bld. (Pneumatic)  
.....AAAA  
Chicago Screw Co., 2 N.  
Canal (Taper Pen), AAA  
Crane Co. ....AAAA  
Federal Co., Old Colony  
Bldg. (Pipe) .....A  
Standard Screw Co., 2 N.  
Canal (Taper Pin) ....AAA  
Vaughan & Bushnell Mfg.  
Co., 877 Carroll Av.  
(Square) .....A  
**ILL.—Decatur**  
Mueller Mfg. Co. H. (Pipe)  
.....AAA  
**MD.—Baltimore**  
Mergenthaler-Ott Co., Cor.  
Claggett & Allen (Adjus-  
table Blade) .....B  
**MASS.—Athol**  
Gay & Ward .....A  
**MASS.—Boston**  
Lapointe Machine Tool Co.,  
36 Hartford (Adjustable) .....D  
Walworth Mfg. Co., 132  
Federal (Pipe) ....AAAA  
**MASS.—Brockton**  
Tuck Mfg. Co. ....E  
**MASS.—Fitchburg**  
Putnam Machine Co. (Lo-  
comotive Work; Shell;  
Pipe) .....A  
**MASS.—Greenfield**  
Wells Bros. Co. (Bit Brace  
Pipe) .....A  
Reece Co., E. F. ....D  
Wiley & Russell Mfg. Co.  
(Bit Brace; Bridge; Cen-  
ter; Chucking; Hand;  
Shell; Taper; Pipe) ....AA  
**MASS.—Mansfield**  
Card Mfg. Co., S. W. (Cen-  
ter; Pipe; Expansion) ...B  
**MASS.—Millbury**  
Buck, Chas. ....B  
Buck Bros (Square) ....A  
**MASS.—New Bedford**  
Morse Twist Drill & Ma-  
chine Co. (Adjustable;  
Bit; Brace; Bridge; Cen-  
ter; Chucking; Expans-  
ion; Hand; Shell; Taper;  
Pipe; Locomotive Work)  
.....AAA  
**MASS.—Shelburne Falls**  
Mayhew Co., H. H. (Bit  
Brace) .....D  
**MASS.—Taunton**  
New Process Twist Drill  
Co. (Chucking) .....X  
**MASS.—Wrentham**  
Winter Bros Co. (Pipe) ...E  
**MICH.—Detroit**  
Detroit Twist Drill Co. ....C  
**MO.—St. Louis**  
St. Louis Screw Co., 3017  
N. 13th (Pipe) .....A  
Standard Railway Equip-  
ment Co., Union Trust  
Bldg. (Pneumatic) ....G  
**N. H.—Portsmouth**  
Chadwick & Co., G. B.  
(Expansion) .....E  
**N. J.—Elizabeth**  
Braunsdorf-Mueller Co. ...D  
**N. J.—Gloucester City**  
Rogers Boat Gauge & Drill  
Wks., Jno. M. (Adjus-  
table Chucking; Solid; Ad-  
justable Taper; Machine)  
.....A  
**N. J.—Newark**  
Bernz, Otto (Lead Pipe) ...B  
Lowentraut Mfg. Co. (Lead  
Pipe) .....A

**REAMERS (Con.)**

Osborn & Co., C. S. (Lead Pipe) .....B  
 Gould & Elberhardt (Adjustable; Taper) .....A  
 Krauter & Co., 577 18th Av. (Bit Brace; Hand).X  
 New York City  
 American Axe & Tool Co., 253 B'way (Adjustable)...AAAA  
 Ashcroft Mfg. Co., 85 Liberty (Pipe) .....A  
 Bramberg, Charles, 91 Cliff (Bit Brace Center) ...G  
 Etna Mfg. Co., 253 B'way (Pipe) .....D  
 Jennings & Co., C. E., 79 Reade (Lead Pipe) ...B  
 McNab & Harlan Mfg. Co., 58 John (Pipe) ...AAA  
 Nile s. Bement - Pond Co., 111 Bway. ....AAAA  
 N. Y.—Orangeburg  
 Empire Engine & Motor Co. (Pneumatic) .....B  
 N. Y.—Oswego  
 Oswego Tool Co. (Pipe)...B  
 N. Y.—Waterford  
 Holroyd & Co. (Bit Brace Pipe) .....A  
 King & Co. (Pipe) .....A  
 N. Y.—Yonkers  
 Saunders' Sons, D. (Pipe; Hand; Machine) .....A  
 OHIO—Akron  
 Whitman & Barnes Mfg. Co. (Bit; Brace; Center; Chucking; Shell; Taper; Pipe) .....AAAA  
 OHIO—Cincinnati  
 Cincinnati Screw & Tap Co., 2442 Beekman (Taper Pin; Pipe) .....A  
 National Machine Tool Co., 208 Lawrence (Hand)...E  
 Shepard Lathe Co., 129 W. 2nd (Hand) .....F  
 OHIO—Cleveland  
 Cleveland Twist Drill Co. (Center; Chucking; Expansion; Shell Taper; Pipe) .....A  
 Grabler Mfg. Co. (Pipe)...D  
 Hart Mfg. Co., 22 Wood (Pipe) .....B  
 Standard Tool Co. (Adjustable; Bit; Brace; Center; Chucking; Hand; Shell; Taper; Pipe; Extension; Locomotive Work) .....AA  
 OHIO—Elyria  
 Western Automatic Machinery Screw Co. (Taper Pin) .....AA  
 PA.—Erie  
 Reed Mfg. Co. (Pipe) ....A  
 PA.—Meadville  
 Lord Co., L. L. (Pipe)...C  
 PA.—Millersburg  
 Polk & Son, A. J. (Fluted Chucking; Hand Shell; Taper; also for Bit Brace; Pipe) .....C  
 PA.—Philadelphia  
 Stow Flexible Shaft Co., N. 26th & Buttonwood (Long Taper) .....B  
 PA.—Pittsburg  
 Baird Machinery Co. ...B  
 PA.—Reading  
 Reading Standard Cycle Mfg. Co. (W. F. Remppis, Prop.) (Adjustable; Rose Chucking) .....B  
 R. I.—Pawtucket  
 Carpenter Tap & Die Co., J. M. (Pipe) .....C  
 R. I.—Providence  
 Brown & Sharpe Mfg. Co. ....AAAA  
 VT.—Derby Line  
 Butterfield & Co. (Taper Pipe) .....A

**REAPERS**

See Agr. Imps

**RECEIVERS**

COLO.—Denver

**RECEIVERS (Con.)**

Leyner Engineering Works Co., J. Geo. (Air) .....C  
 CONN.—Meriden  
 Meriden Britannia Co. (Silver Cord) .....AAAA  
 Wilcox Silver Plate Co. (Silver Cord) .....AAAA  
 CONN.—New Britain  
 Taplen Mfg. Co. (Ash)...D  
 ILL.—Chicago  
 Allis-Chalmers Co. (Air)...AAAA  
 American Electric Telephone Co. (Telephone) .....B  
 Chicago Pneumatic Tool Co. Fisher Bldg. ....AAAA  
 Fisher, A. J. (Air) .....F  
 Western Telephone Mfg. Co. (Telephone) .....B  
 MASS.—Boston  
 Mason Regulator Co. (Automatic Cotton) .....A  
 MICH.—Detroit  
 Northern Engineering Works (Air) .....A  
 N. Y.—Brooklyn  
 American Air Compressor Works (Air) .....G  
 New York City  
 Gorham Mfg. Co. (Silver Card) .....AAAA  
 Ingersoll Drill Co., 26 Cortlandt (Air) .....AAAA  
 Judd & Co., H. L. (Cord) AA  
 Koenen & Bros., L. O., 50 Cliff (Air) .....A  
 McKiernan Drill Co., 159 Liberty (Air) .....X  
 Pedrick & Ayer Co., 87 Liberty (Air) .....A  
 Rand Drill Co. (Air) .....AAAA  
 Tiffany & Co. (Inc.), 15th & B'way (Silver Card)...AAAA  
 N. Y.—Rochester  
 Bradley & Co., E. C. (Telephone) .....H  
 OHIO—Cleveland  
 Williams-Abbott Electric Co. (Telephone) .....B  
 OHIO—Youngstown  
 Polloch Co., W. B. (Air) AA  
 PA.—Erie  
 Herron & Bury Mfg. Co. (Air) .....O  
 PA.—Harrisburg  
 Harrisburg Pipe & Pipe Belting Co. (Ltd.) (Ammonia) .....AAA  
 PA.—Philadelphia  
 Underwood & Co., H. B., 1025 Hamilton (Air) ...B  
 PA.—Pittsburg  
 Ritter-Conley Mfg. Co. (Gas) AAA  
 Scaife & Sons Co., Wm. B., 221 First Av. (Air)....A  
 PA.—Washington  
 Petroleum Iron Works Co. (Air) .....C  
 PA.—Wilkesbarre  
 Vulcan Iron Works (Air)...AAAA

**RECEPTACLES**

DEL.—Wilmington  
 Morris Electric Co. ....X  
 IND.—Peru  
 Peru Electric Mfg. Co. (Electrical) .....A  
 MASS.—Boston  
 Marshall Electric Mfg. Co., 303 Congress .....B  
 N. J.—Newark  
 Electric Motor & Equipment Co., 13 Beaver ...C  
 N. Y.—Rochester  
 Crescent Electrical Mfg. Co. (Electric Sign; Wall)...F  
 N. Y.—Syracuse  
 Pass & Seymour (Electrical) A  
 PA.—Philadelphia  
 Pringle, Wm. T. (Electric) D

**RECKONERS**

MINN.—St. Paul



**RECKONERS (Con.)**  
Christadoro, Charles (Box) X

## RECORDERS

See also Clocks; Indicators

**CONN.—Waterbury**  
Bristol Co. (Electrical)...D  
**ILL.—Chicago**  
Chicago Pneumatic Tool Co.,  
Fisher Bldg. (Railway  
Speed).....AAAA  
**MD.—Baltimore**  
Friez, Julian P., 1230 E.  
Baltimore (Electrical)...E  
**MASS.—Boston**  
Crosby Steam Gauge &  
Valve Co. (Speed).....AA  
Sturtevant Co., B. F., 84  
Oliver (Mechanical Draft)  
AAA  
**MASS.—Brookline**  
Holtzer-Cabot Electric Co.  
(Time).....A  
**MASS.—Gardner**  
Simplex Time Recorder Co.  
(Time).....B  
**MASS.—Indian Orchard**  
Hough Cash Recorder Co.  
(Cash Autograph).....B  
**N. Y.—Binghamton**  
International Time Record-  
ing Co. (Time).....A  
**New York City**  
American Watchman's Time  
Detector Co. (J. E.  
Morse, Treasr.), 234  
B'way (Time).....X  
Aschroft Mfg. Co. (Speed)  
A  
General Watchman's Time  
Detector Co., 49 Dey  
(Time).....G  
Herzog Telephone Co., 51  
W. 24th (Time).....D  
Imhauser & Co., E., 202  
B'way (Time).....C  
Nanz & Co., 127 Duane  
(Time).....F  
**N. Y.—Syracuse**  
Dey Time Register Co., 305  
N. State (Time).....AA  
**OHIO—Columbus**  
Pneumatic Watchman Check  
Co. (Watchmens'; Em-  
ployees' Time).....E  
**PA.—Philadelphia**  
Biggs & Bro., 310 Market  
(Time).....B

## RECORDS

**CONN.—Bridgeport**  
Burt Co. (Graphophone) ..A  
**N. J.—Orange**  
National Phonograph Co.  
(Phonograph).....AAA  
**New York City**  
Leeds & Catlin Co., 53  
E. 11th (Phonograph)...A  
**PA.—Philadelphia**  
Hawthorne & Sheble Mfg.  
Co., Mascher & Oxford  
(Talking Machine) ....B

## REDUCERS

**ILL.—Chicago**  
Illinois Malleable Iron Co.,  
30 W. Monroe (Hose)...  
AAAA  
**MO.—St. Louis**  
Kupferle, John C., 2nd &  
Mound (Hose).....A  
Pleuger & Henger Mfg. Co.,  
1015 Herbert (Hose)...A  
**New York City**  
McNab & Harlin Mfg. Co.,  
56 John (Hose).....AA  
**OHIO—Canton**  
Kohler & Co., F. E. (Hose)  
C

## REDWOOD

See Lumber

## REED FURNITURE

See Furniture

## REEDS

**CONN.—Bethel**  
Shepard & Sons Co., Geo.  
A.....F  
**CONN.—New Haven**  
Cowles Co., C. (Inc.) (Sad-  
dle).....A  
**ILL.—Chicago**  
Piano & Organ Supply Co.,  
125 Racine Av. (Organ)  
AA  
Street & Co., R. R., 184-186  
Washington .....A  
**MAINE—Lewiston**  
Craig & Scott .....F  
**MAINE—Saco**  
Littlefield & Sawyer ....F  
**MASS.—Fall River**  
Berry & Johnston .....E  
Luther Reed Mfg. Co. ....D  
McGregor & Sons .....F  
**MASS.—Gardner**  
Heywood Bros. & Wakefield  
Co. (Hat) .....AAAA  
**MASS.—Hopedale**  
Draper Co. ....AAAA  
**MASS.—Lawrence**  
Emmons Loom Harness Co.  
A  
**MASS.—Lowell**  
Carruthers, Robt. (Silk;  
Cotton; Woolen; Carpet;  
Wire; Hair Cloth) .....B  
Harris, Geo. W. (Loom).B  
**MASS.—New Bedford**  
New Bedford Reed Co. ...F  
**MASS.—Springfield**  
Tilley, Norris, 49 Taylor.D  
**MASS.—Worcester**  
Hammond Reed Co. (Organ)  
A  
Whittaker Reed Co., Jno..E  
Worcester Loom Co.  
(Loom) .....E  
**N. H.—Manchester**  
Baldwin Co., Jas. ....AAAA  
**N. J.—Newark**  
Crabb & Co., William ...A  
Peters Harness & Saddlery  
Co. (Saddle) .....C  
**N. J.—Paterson**  
Hall & Co., I. A., 30 Ham-  
ilton .....A  
Paterson Reed & Harness  
Co. (Loom) .....B  
Ulrich & Co. ....F  
Walden, J. ....AA  
**N. Y.—Utica**  
Williams Co., J. H. ....A  
**PA.—Philadelphia**  
Fitzgerald Loom Reed Co.,  
N. 2nd & Diamond....X  
Stewart & Sons, 312 Mas-  
ter .....X  
**R. I.—Pawtucket**  
Blackstone Reed & Harness  
Co. ....F  
Excelsior Loom Reed Wks..  
E  
American Supply Co....AA  
Gowdey Reed & Harness  
Mfg. Co., J. A.....F  
**R. I.—Providence**  
Gowdey Reed & Harness  
Mfg. Co. (Loom) .....F  
**R. I.—Woonsocket**  
Wilkins Mfg. Co., 14 S.  
Main .....X  
Woonsocket Reed & Shuttle  
Works .....E  
**TENN.—Newport**  
American Oak & Hickory  
Reed Co. (Furniture)...C

## REEFERS

See Clothing: Men's

## REELS

See also Fish Tackle

**CONN.—Bridgeport**  
Automatic Machine Co.  
(Wire) .....B  
**CONN.—Collinsville**  
Hartigan, W. B. (Chalk  
Line) .....H  
**CONN.—New Britain**  
Stanley Rule & Level Co.  
(Chalk Line) .....AAA

# REELS (Con.)

**CONN.—New Haven**  
Hendryx & Co., Andrew B. (Fishing) .....A  
Shuster Co., F. B. (Adjustable Wire) .....X  
**CONN.—Torrington**  
Union Hardware Co. (Chalk Line) .....AA  
**CONN.—Waterbury**  
Blake & Johnson (Wire) .A  
D. C.—Washington  
Howard, H. J. M., 118 4 1/2 S. W. (Fire Hose) .....H  
**ILL.—Carpentersville**  
Illinois Iron & Bolt Co. (Clothes) .....AA  
**ILL.—Chicago**  
Allen Mfg. Co., W. D., 151 Lake (Fire Hose) .....A  
Bosley Co., D. W., Fulton & May (Wire) .....B  
Klein & Son, Mathias, 87 W. Van Buren (Payout) ...B  
Noblett & Co., E. J., 898 35th (Payout) .....C  
**ILL.—Downer's Grove**  
Dicke Tool Co. (Payout) ..C  
**ILL.—Freeport**  
Hoefler Mfg. Co. (Wire) ..C  
**ILL.—Moline**  
Barnard & Leas Mfg. Co. (Rice; Centrifugal) ...AA  
**ILL.—Monmouth**  
Milne Mfg. Co. (Clothes) O  
**ILL.—Sterling**  
Novelty Iron Works (Clothes Line) .....E  
**IND.—Evansville**  
Evansville Tool Works (Chalk Line) .....A  
**IND.—Indianapolis**  
Nordyke & Marmon Co. (Round, Centrifugal) AAA  
Udell Works (Rope) .....A  
**IND.—Richmond**  
Richmond Safety Gate Co. (Wire) .....C  
**IOWA—Dubuque**  
Adams Co. (Clothes Line) A  
**KANS.—Leavenworth**  
Great Western Mfg. Co. (Round, Centrifugal) AA  
**KY.—Frankfort**  
Millam & Son, B. C. (Fishing) .....E  
**MASS.—Boston**  
Firth Co., Wm., 150 Devonshire (Yarn) .....D  
Mason Regulator Co. (Wire) A  
**MASS.—Cambridge**  
Boston Woven Hose & Rubber Co. (Hose) .....AAAA  
**MASS.—Hopedale**  
Draper Co. (Yarn) .....AAAA  
**MASS.—Lowell**  
Lowell Machine Shop (Yarn; Cotton Yarn) .....AAAA  
**MASS.—Newton Upper Falls**  
Saco & Pettie Machine Shop (Yarn; Cotton Yarn)AAA  
**MASS.—Springfield**  
Blair Mfg. Co. (Hose) ...B  
**MASS.—Whitinsville**  
Whitin Machine Wks. (Yarn; Cotton Yarn) AAAA  
**MASS.—Worcester**  
American Card Clothing Co. (Wooden Yarn) .....AAA  
Cleveland Machine Works (Yarn, Dresser) .....A  
Morgan Construction Co. (Wire) .....A  
Wright Wire Co. (Wire) AA  
**MICH.—Bay City**  
Vance Box Co., E. J. (Ltd.) (Barb Wire; Lead Pipe; Wooden for Insulated Wire) .....B  
**MICH.—Detroit**  
Anderson & Sons, W. H. (Payout) .....C  
**MICH.—Hastings**  
Hastings Woodworking Co. (Ltd.) (Garden Hose) F  
**MICH.—Northville**  
Dubuar Mfg. Co., J. A. (Garden Hose) .....X  
**MICH.—Ypsilanti**  
Ypsilanti Machine Works (Round, Centrifugal) ..D

# REELS (Con.)

**MINN.—Minneapolis**  
Minneapolis Electric & Construction Co., 17 So. 4th (Payout) .....F  
Therlen, J. O., 116 1st Av. (Payout) .....F  
**MO.—Nevada**  
Talbot Reel Co., W. H. (Fishing) .....O  
**MO.—St. Louis**  
Kupferle, J. C. (Clothes Line) .....AA  
Pleuger & Henger Mfg. Co. (Clothes Line) .....A  
**N. H.—Manchester**  
Moulton, W. F. (Chalk Line) .....H  
**N. J.—Newark**  
Meisselbach & Bro., A. F. (Chalk Line) .....C  
Sommer's Son, John (Rope; Clothes Line; Fishing) A  
**N. J.—Paterson**  
Sipp Electric & Machine Co. 1 Mill .....D  
**N. J.—Trenton**  
Empire Rubber Mfg. Co. (Hose) .....AA  
**N. Y.—Buffalo**  
Noye Mfg. Co., Jno. T. (Round, Centrifugal; Cylindrical Flour) .....X  
Sculer Mfg. Co., Geo. L. (Coffee; Rice).....AAA  
**N. Y.—Fulton**  
Dilts Machine Co. (Revolving) .....B  
New York City  
Abbey & Imbrie (Fishing) A  
Cliff & Gilbert Co., 198 W. Bway. (Fire Hose) ...D  
Empire Rubber Mfg. Co., 88 Reade (Hose) .....AA  
Estes & Sons, E. B., 45 John (Wooden) .....AA  
Gutta Percha & Rubber Mfg. Co., 126 Duane (Hose) AAAA  
**Haydenville Co., 150 Nassau (Hose) .....A**  
Jones & Son, J., 64 Cortlandt (Wire) .....F  
Manhattan Rubber Mfg. Co., 18 Vesey (Swinging Hose) AA  
Mineralized Rubber Co., 18 Cliff (Fire Hose) .....A  
New York Agricultural Co., 51 Cliff (Hose) .....X  
Stokes & Co., Wm. A., 80 Warren (Rope) .....D  
Vom Hofe, Edward (Fishing) .....D  
**N. Y.—Peekskill**  
Anderson, Homer (Blasting Cable) .....H  
**N. Y.—Rochester**  
Caldwell Mfg. Co. (Hose) O  
Yawman & Erbe Mfg. Co. (Fishing) .....AA  
**N. Y.—Syracuse**  
Stearns & Co., E. C. (Clothes Line; Clothes) .....AA  
**OHIO—Cincinnati**  
Nuhring, Chas., 907 Walnut (Swinging; Automatic Fire Hose) .....G  
**OHIO—Columbus**  
Case Mfg. Co. (Round; Centrifugal) .....A  
Jeffrey Mfg. Co. (Cylindrical Flour) .....AAAA  
Ohio Tool Co. (Chalk Line) AA  
**OHIO—Cuyahoga Falls**  
Turner, Vaughan & Taylor Co. (Wire) .....B  
**OHIO—Hamilton**  
Black & Clawson Co. (Revolving; Stack) ....AAA  
**OHIO—New Philadelphia**  
Spicer Mfg. Co. (Wire) ...C  
**OHIO—Piqua**  
Piqua Handle & Mfg. Co. (Chalk Line) .....A  
**OHIO—Reading**  
Reading Fire Apparatus Works (Hose) .....H  
(Hose) .....H  
**OHIO—Sandusky**  
Sandusky Tool Co. (Chalk Line) .....A

**REELS (Con.)**

**OHIO—Toledo**  
Nagel Electric Co., W. G.  
(Payout) .....B  
**PA.—Downingtown**  
Downingtown Mfg. Co.  
(Ltd.) (Revolving) ....A  
**PA.—Erie**  
Hollands Mfg. Co. (Hose) B  
**PA.—Philadelphia**  
Altamus, Jacob K., 2824 N.  
4th .....C  
Clay, Jno. H., 1320 Ridge  
Av. (Swinging Hose) ..B  
Diamond Textile Machine  
Works, 2nd & Diamond  
(Yarn) .....B  
Smith Woolen Mchry. Co.,  
Jas., 411 Race (Yarn) AA  
Wirt & Knox Mfg. Co., 21 N.  
4th (Fire Hose) .....D  
Woodason, Thos. (Galva-  
nized Garden Line) ....F  
**E. I.—Pawtucket**  
Bliss Mfg. Co., R. (Chalk  
Line) .....AAAA  
Carpenter, Orville .....F  
Luther & Co., Chas. A.  
(Yarn; Thread) .....C  
**E. I.—Providence**  
Brown & Sharpe Mfg. Co.  
(Yarn) .....AAAA  
Rhode Island Braiding Ma-  
chine Co. (Skelning;  
Measuring) .....C  
Standard Machinery Co.  
(Wire) .....B  
**E. I.—Woonsocket**  
Woonsocket Shuttle Co.  
(Payout) .....X  
**VT.—Post Mills**  
Chubb Rod Co., T. H.  
(Fishing) .....A  
**VA.—Norfolk**  
Whitehurst & Co., R. W.  
(Fire Hose) .....B  
**WIS.—Beloit**  
Beloit Iron Works (Revol-  
ving; Stock) .....A  
**WIS.—Milwaukee**  
Allis-Chalmers Co. (Centri-  
fugal) .....AAAA  
**WIS.—Eacine**  
Winship Mfg. Co. (Hose).E

**REFINERS**

**PA.—Pittsburg**  
Ritter-Conley Mfg. Co. (Oil)  
AAA

**REFLECTORS**

**CONN.—Meriden**  
Miller & Co., Edward (for  
Churches, Halls, etc.)...AAAA  
**CONN.—Waterbury**  
Plume & Atwood Mfg. Co.  
(Lamp) .....AAA  
Waterbury Brass Co.  
(Locomotive) .....AAAA  
**ILL.—Chicago**  
American Reflector &  
Lighting Co., 271 Frank-  
lin (for Churches, Halls,  
etc.) .....D  
Chicago Lamp & Reflector  
Co., 77 Blue Island Av.  
(Acetylene) .....G  
Electric Appliance Co., 92  
W. Van Buren (Electric)  
B  
Western Electric Co. (for  
Churches, Halls, etc.)...AAAA  
**ILL.—Decatur**  
Faries Mfg. Co. (Electric  
Light) .....A  
**MASS.—Boston**  
Wheeler Reflector Co., 156  
Pearl (for Churches,  
Halls, etc.; Daylight;  
Enamelled; Electric; Gas;  
Lamp Light; Mirror;  
Plate; Silvered Glass)..C  
**MO.—St. Louis**  
Kraushaar Brass Mfg. Co.  
(for Churches, Halls,  
etc.) .....A  
**N. Y.—Brooklyn**  
Sunlight Reflector Co., 141  
Court (for Churches,  
Halls, etc.) .....E

**REFLECTORS (Con.)**

**New York City**  
Frink, Isaac P., 551 Pearl  
(for Art Galleries,  
Churches, Halls, etc.;  
Daylight; Arc Lamp;  
Window; Cluster Section-  
al Glass; Electric Light;  
Gas Light; Mirror Plate)  
AA  
Gleason Mfg. Co., E. P. P.  
20 W. Houston (for  
Churches, Halls, etc.)..B  
Holophone Glass Co. (Pris-  
matic Glass Gas Shade).D  
Manhattan Brass Co.  
(Lamp) .....A  
Mitchell-Vance Co., 836  
B'way (for Churches,  
Halls, etc.) .....AA  
Universal Electric Stage  
Lighting Co. ....D  
**OHIO—Dayton**  
Dayton Mfg. Co. (for  
Churches, Halls, etc.;  
Lamps) .....A  
**OHIO—Steubenville**  
Gill Bros. & Co. (Silvered  
for Churches, Halls, etc.;  
Lamp; Mirror Plate).AA  
**PA.—Philadelphia**  
Gaumer Co., Jno. L., 19th  
& Hamilton (for  
Churches, Halls, etc.)..C  
Gillinder & Sons (Inc.), 135  
Oxford (Glass for  
Churches, Halls, etc.;  
Lamp) .....A  
Klemm & Co., 5th & Cherry  
(for Churches, Halls,  
etc.; Daylight; Electric;  
Gas & Lamplight) ....C  
**PA.—Pittsburg**  
Bailey Reflector Co., 208  
Smithfield (for Churches,  
Halls, &c.) .....D  
Macbeth-Evans Glass Co.  
(Silvered Glass) .AAAA

**REFRIGERA-  
TORS**

**ILL.—Chicago**  
Belding-Hall Mfg. Co., 196  
Monroe .....AA  
**ILL.—Morrison**  
Illinois Refrigerator Co....C  
**IND.—Anderson**  
Wilke Mfg. Co. (Glass;  
Porcelain Lined) .....B  
**IND.—Indianapolis**  
Eureka Refrigerator Co...C  
**IND.—Kendallville**  
McCray Refrigerator Co.  
(Tile Lined; also Opal  
Tile Lined) .....A  
**IOWA—Cedar Rapids**  
Cherry Co., J. G. (Cream-  
ery) .....A  
**KANS.—Kansas City**  
Herrick Refrigerator Mfg.  
Co., 4th & Oakland Av.  
(Glass Lined; Tile Lined)  
X  
**MASS.—Boston**  
Eddy & Sons, D. ....C  
Hall & Son, A. D. ....C  
Holmes, C. D., 20 Creek  
Sq. ....F  
**MICH.—Belding**  
Belding-Hall Mfg. Co.  
(Butchers'; Grocers)...AA  
**MICH.—Grand Haven**  
Challenge Refrigerator Co.,  
A  
**MICH.—Grand Rapids**  
Grand Rapids Refrigerator  
Co. (Grocers') .....A  
Leonard Mfg. Co. ....A  
Michigan Barrel Co. (White  
Enamel) .....A  
Northern Refrigerator Co..A  
**MICH.—Greenville**  
Ranney Refrigerator Co.  
(Grocers') .....A  
**MICH.—Muskegon**  
Alaska Refrigerator Co.  
(Inc.) .....A  
**MINN.—Duluth**  
Hurd Refrigerator Co.  
(Butchers') .....C  
**MINN.—St. Paul**

**REFRIGERATORS Con.**

Perkins Mfg. Co., 1121 E.

7th .....D

White Enamel Refrigerator

Co. (for Refrigerators &amp;

Dining Cars) .....AA

**MO.—St. Louis**

Brecht Butchers' Supply

Co., G. V., 1201 Cass Av.

('Butchers') .....AAA

**N. H.—Nashua**

Maine Mfg. Co. ....A

**N. J.—Trenton**

Hill &amp; Co., C. V. (Butch-

ers') .....D

**N. Y.—Brooklyn**

Cooper &amp; McKee .....B

**N. Y.—Buffalo**

Heins &amp; Munschauer ....A

Jewett Refrigerator Co., 27

Chandler (Glass Lined;

Tile Lined) .....A

Vogt, Peter A. ....B

**N. Y.—Cohoes**

Standard Refrigerator Co. C

**New York City**

Brunswick, Balke, Collen-

der Co., 229 4th Av.

(Butchers'; Grocers) AAAA

**Fritts Refrigerator Con-**

struction Co., 150 5th Av.

(Glass Lined; Tile Lined) F

**Herrmann Furniture &**

Plumbers' Cabinet Wks. A

**Kell & Son, Francis (Butch-**

ers') .....AA

**Lorillard Refrigerator Co.,**

23 W. 34th (Glass Lined) X

**Mace & Co., L. H. ....A****Morgan & Cornell, 211**

Duane (Grocers') .....X

**Page, Dennis & Co., 841**

B'way .....B

**OHIO—Lockland**

Monroe Refrigerator Co. A

**OHIO—Toledo**

Stevens, B. A. (Butchers') A

**PA.—Philadelphia**

Fries' Sons, Geo., 909 Fil-

bert (Nursery) .....D

**Knoell, John ....A****Ridgway Refrigerator Co.,**

707 N. Broad .....F

**Wotherspoon, James R., 430**

Race (Nursery) .....E

**PA.—Pittsburg**

Gloeckler, Bernard (Butch-

ers') .....AA

**PA.—Tamaqua**

Weaver &amp; Son, Daniel...B

**TENN.—Chattanooga**

Keyser Mfg. Co. ....C

**VT.—Burlington**

Baldwin Refrigerator Co. A

**WIS.—Eau Claire**

Wisconsin Refrigerator Co. C

**WIS.—Fond du Lac**

Bowen Mfg. Co. ....B

**Gurney Refrigerator Co. AA****WIS.—Racine**

Racine Refrigerator &amp; Fix-

ture Co. ....D

**WIS.—Rhinelander**

Rhinelander Mfg. Co. ....E

**WIS.—Sheboygan**

Dillingham Mfg. Co. ....B

**REGALIAS****CAL.—San Francisco**

Pasquale Co., B. ....B

**ILL.—Chicago**

Armstrong Mfg. Co., E. A.,

315 Wabash Av. (Secret

Society) .....D

**Foster, Son & Co., G. F. ...D****MD.—Baltimore**

Sisco Bros. ....E

**MO.—St. Louis**

Parson &amp; Co., 1010 Pine

(Society) .....E

**New York City**

Benziger Bros. ....A

**OHIO—Cincinnati**

Pettibone Bros. Mfg. Co. ...A

**REGALIAS (Con.)****OHIO—Columbus**

Lilley &amp; Co., M. C. ....AAAA

**PA.—Philadelphia**

Horstman Co., Wm. H. AAAA

**W. VA.—Huntington**

Floding, Geo. A. ....E

**REGISTERS****CONN.—Bridgeport**

Smith &amp; Egge Mfg. Co.

(Car Fare) .....A

**CONN.—Bristol**

Root, C. J. (Hand Tally-

ing) .....C

**CONN.—Hartford**

Pratt &amp; Whitney Co. (Hand

Tallying) .....AAAA

**CONN.—New Britain**

Hart &amp; Cooley Co. (Wrought

Steel Hot Air) .....A

**CONN.—Waterbury**

Bristol Co. (Electric) ....D

**ILL.—Chicago**

Baird Mfg. Co. (Telephone

Call) .....C

**Chicago Sewing Machine Co.**

(Hot Air) .....A

**Excelsior Steel Furnace Co.,**

40 W. Monroe (Hot Air) A

**International Register Co.,**

118 W. Jackson Boul.

(Car Fare; Single &amp;

Double) .....A

**Tuckhorn & Co., H., 217**

Madison (Cash) .....C

**Western Electric Co. (Elec-**

tric) .....AAAA

**ILL.—Freeport**

Arcade Mfg. Co. ....A

**Stover Mfg. Co. (Hot Air) AA****ILL.—Peoria**

Rooke Register Co. (Car

Fare) .....E

**ILL.—Sterling**

Novelty Iron Wks. (Stone

Pipe) .....E

**IND.—Indianapolis**

Nordyke &amp; Marmon Co.

(Grain) .....AAAA

**IND.—Wabash**

Standard Cash Register Co.

(Cash) .....B

**IOWA—Dubuque**

Adams Co. (Stove Pipe) ...A

**Schreiber & Conchar Mfg.**

Co. (Hot Air) .....A

**MASS.—Boston**

Barney Ventilating Fan

Works (Hot Air) ...X

**Groom & Co., Thos. (Hotel)**

B

**Tufts Meter Co., Nathaniel**

(Gas Pressure) .....A

**Woodman Mfg. & Supply**

Co. R. (Hand Tally) ...F

**MASS.—Indian Orchard**

Hough Cash Recorder Co.

(Cash) .....B

**MASS.—Worcester**

Maynard-Gough Co. (Hotel;

Photographers) .....E

**MICH.—Battle Creek**

Advance Thresher Co.

(Grain) .....AAAA

**Nichols & Shepard Co.**

(Grain) .....AAAA

**United States Register Co.**

(Side Wall Hot Air) ...D

**MICH.—Detroit**

Century Cash Register Co.

(Cash) .....F

**MICH.—Jackson**

Novelty Mfg. Co. (Hot Air)

A

**MICH.—Northville**

American Bell &amp; Foundry

Co. (Hot Air) .....D

**MICH.—Port Huron**

Port Huron Engine &amp;

Thresher Co. (Grain) AAA

**MINN.—Minneapolis**

Howell &amp; Co., R. R.

(Grain) .....B

**MO.—St. Louis**

Pleuger &amp; Henger Mfg. Co.

A

**Stockhoff Supply Co. (Hot**

## REGISTERS (Con.)

Air) .....E  
 Western Electrical Supply  
 Co. (Car Fare) .....X  
**N. H.—Nashua**  
 Highton & Sons, Wm. (Hot  
 Air) .....B  
**N. J.—Newark**  
 Sterling-Meaker Co., 420  
 Ogden (Car Fare) .....D  
**N. Y.—Albany**  
 McDonald & Co., D. (Gas;  
 Vacuum Pressure) .....A  
**N. Y.—Manlius**  
 Cheney & Son, S. ....A  
**New York City**  
 American Mechanical Cash-  
 ier Co., 40 Wall (Cash) .....D  
 American Watchman's Time  
 Detector Co. (Electric).....X  
 Benton Mfg. Co., 8 Abing-  
 don Sq. (Hand Tallying) .....E  
**Bunnell & Co., J. H. (Elec-  
 tric) .....B**  
 Creamer & Co., W. G., 96  
 John (Hot Air) .....A  
 Griffing Iron Co., A. A.  
 (Hot Air) .....AA  
 Hunt Co., C. W. (Coal  
 Counting) .....AA  
 National Meter Co. (Gas;  
 Vacuum Pressure) .....A  
 Peck, Stow & Wilcox Co.,  
 27 Murray .....AAAA  
 Tuttle & Bailey Mfg. Co.,  
 83 Beekman (Hot Air) .....AA  
**N. Y.—Olean**  
 Enterprise Foundry Co., 48  
 Olean (Hot Air) .....B  
**N. Y.—Syracuse**  
 Day Time Register Co.  
 (Time) .....AA  
 Stearns & Co., E. C. (Hot  
 Air) .....AA  
**N. Y.—Troy**  
 Gurley, W. & L. E. (Elec-  
 tric) .....A  
**OHIO—Akron**  
 American Castings Co. (Hot  
 Air) .....H  
**OHIO—Ashtabula**  
 Barber Mfg. Co. (Hot Air) .....O  
**OHIO—Canton**  
 Canton Steel Roofing Co...A  
**OHIO—Cleveland**  
 Cleveland Foundry Co. (Hot  
 Air) .....A  
 Columbian Hardware Co...AA  
 Fanner Mfg. Co. (Hot Air) .....A  
 Ferrosteel Co., 84 Michigan  
 (Hot Air) .....B  
 Independent Register Co.,  
 156 Champion (Hot Air) .....F  
**OHIO—Columbus**  
 Sun Mfg. Co. (Cash) ....A  
**OHIO—Dayton**  
 Bates & Bros. Co., D. L.  
 (Car Fare) .....D  
 National Cash Register Co.  
 (Cash) .....AAAA  
 Ohmer Fare Register Co.  
 (Car Fare) .....A  
**OHIO—Marion**  
 Huber Mfg. Co. (Grain) .....AAA  
**OHIO—Massillon**  
 Hess-Snyder Co. ....AA  
**OHIO—Orrville**  
 Champion Thresher Co.  
 (Grain) .....B  
**OHIO—Springfield**  
 Robbins & Myers Co. (Hot  
 Air) .....A  
**PA.—Lancaster**  
 Bureka Cash & Credit Reg-  
 ister Co. (Cash) .....X  
**PA.—Meyerdale**  
 Miller, Wm. S. (Grain)...F  
**PA.—Philadelphia**  
 Brill Co., J. G. (Car Fare) .....AAAA  
 Devlin Mfg. Co., Thomas  
 (Hot Air) .....AA  
 Helme & McIlhenny (Gas  
 Pressure) .....AA  
 Mayer & England Co. (Car  
 Fare) .....A

## REGISTERS (Con.,

Patrick, Carter & Wilkens  
 (Electric) .....B  
**PA.—Reading**  
 Mount Penn Stove Works  
 (Hot Air) .....A  
 Reading Hardware Co. (Hot  
 Air) .....AAAA  
**WIS.—Milwaukee**  
 Erwin Hydraulic Machinery  
 Co. (Hot Air) .....D  
**WIS.—South Milwaukee**  
 Stowell Mfg. & Foundry Co.  
 (Hot Air) .....A

## REGLETS

**MASS.—Boston**  
 Hansen, H. C. ....B  
**MICH.—Ludington**  
 Tubbs Mfg. Co. (Printers') .....B  
**N. Y.—Brooklyn**  
 Wesel Mfg. Co., F. ....A  
**N. Y.—Middletown**  
 Hamilton Mfg. Co. ....AA  
**New York City**  
 American Type Founders  
 Co. ....AAAA  
**N. Y.—Seneca Falls**  
 Westcott-Jewell Co. ....D  
**WIS.—Two Rivers**  
 Hamilton Mfg. Co. ....AA

## REGULATORS

See also Governors

**CAL.—San Francisco**  
 Dow Pumping Engine Co.,  
 Geo. B., 179 1st (Pres-  
 sure) .....AA  
**CONN.—Bridgeport**  
 Hurwood Mfg. Co. (Uphol-  
 sters') .....C  
 Weld Mfg. Co. (Hot Air).....D  
**CONN.—New Haven**  
 Foscett & Bishop Co.  
 (Damper) .....B  
 New Haven Clock Co.  
 (Watchmakers') ....AAA  
**CONN.—Waterbury**  
 Standard Electric Time Co.  
 (Electric) .....D  
 Waterbury Electric Co.  
 (Electric Heat) .....F  
**ILL.—Batavia**  
 Batavia Windmill Co.  
 (Windmill) .....B  
 Challenge Windmill & Feed  
 Mill Co. (Windmill).....AAA  
 U. S. Wind Engine & Pump  
 Co. (Windmill) .....AA  
**ILL.—Bushnell**  
 Bushnell Pump Co. (Wind-  
 mill) .....B  
**ILL.—Chicago**  
 Clow & Sons, Jos. B., 344  
 Franklin (Water Pres-  
 sure) .....AAA  
 Davis Co., Jno., 22d & Hal-  
 sted (Gas Pressure; Pump  
 & Damper) .....AA  
 Davis Regulator Co., Geo.  
 M., 145 Milwaukee Av.  
 (Damper; Fan Engine;  
 Pressure; Water Pres-  
 sure) .....C  
 Fairbanks, Morse & Co.,  
 Franklin & Monroe  
 (Windmill) .....AAAA  
 Johnson Temperature Con-  
 trolling Co., 152 Lake  
 (Heat) .....AAA  
 Klipfel & Thomas Co., 74  
 W. Lake (Pressure;  
 Pump) .....X  
 Morgan & Co., 40 Dearborn  
 (Damper for Steam & Hot  
 Water Boilers) .....X  
 Powers Regulator Co., 40  
 Dearborn (Damper; Nat-  
 ural Gas Pressure; Heat;  
 Water Pressure) .....B  
 Scott Valve Co., 32 West  
 Randolph (Pump) .....D  
 Wilson & Co., F. Cortez,  
 239 Lake (Gas Pressure) .....B  
**ILL.—Decatur**  
 Mueller Mfg. Co., H. (Dam-  
 per; Water Pressure) .....AAA

**REGULATORS (Con.)**

**ILL.—Freeport**  
Stover Mfg. Co., 165 River  
(Windmill) .....AA

**ILL.—Harvard**  
Hunt, Helm, Ferris & Co.  
(Windmill) .....AA

**ILL.—Kewanee**  
Western Tube Co. (Damper)  
AAA

**ILL.—Ottawa**  
Porter Co., J. E. (Wind-  
mill) .....A

**ILL.—Quincy**  
Gardner Governor Company  
(Steam) .....AA

**ILL.—Waukegan**  
Thomas Brass & Iron Co.  
(Fan Engine; Water Pres-  
sure) .....A

**IND.—Anderson**  
Johnson-Reynolds Co. (Gas  
Pressure) .....E

**IND.—Auburn**  
Zimmerman Mfg. Company  
(Windmill) .....B

**IND.—Indianapolis**  
Aneshaensel & Co., C. (Wa-  
ter Pressure) .....D

**IND.—Kendallville**  
Jenney Electric Mfg. Co.  
(Motor Speed) .....A

**IND.—Kendallville**  
Flint & Walling Mfg. Co.  
(Windmill) .....AA

**IND.—Lapel**  
Wright, George (Gas Pres-  
sure) .....E

**IOWA.—Davenport**  
Red Jacket Mfg. Co. (Wind-  
mill) .....A

**IOWA.—Des Moines**  
Dempster Mfg. Co. (Wind-  
mill) .....B

**IOWA.—Keokuk**  
Garton-Daniels Co. (Con-  
troller, Electric Railway) D

**IOWA.—Marshalltown**  
Fisher Governor Co. (Water  
Pressure) .....D

**LA.—New Orleans**  
Buckel Machine Wks. (Pres-  
sure for Cane Mills)....X

**MAINE.—Portland**  
Portland Co. (Voltage) AA

**MD.—Baltimore**  
Patterson Regulator Co., 14  
W. Barre (Hydraulic) X

**MASS.—Boston**  
Crosby Steam Gauge &  
Valve Co., 95 Oliver  
(Pressure; Water Pres-  
sure; Feed Water)....AA

**D'Este Co., Julian, 24 Can-  
al (Damper; Water Pres-  
sure; Pump; Air Pressure;  
Heat; Temperature) ...B**

**Gilchrist Co., Geo. E., 106  
High (Pressure) .....B**

**Howard Clock Co., E.  
(Watchmakers' Clock) ..A**

**McLaughlin Mfg. Co., Geo.  
G., 812 E. 6th (Gas Pres-  
sure) .....X**

**Mason Regulator Co., 158  
Summer (Damper; Pres-  
sure; Pump; Steam; Air  
Pressure; Elevator Pres-  
sure; Water Pressure;  
Air Brake; Rheostat) ..A**

**Noyes Mfg. Co., 47 India  
(Gas Pressure) .....H**

**Ridgeway Furnace Co., 6  
Portland (Furnace) ....E**

**Rowe, L. L., 24 Portland  
(Furnace) .....F**

**Starr Brass Mfg. Co., 108  
E. Dedham (Fan Engine  
Pressure) .....A**

**Stroter & Sons, Herman  
(Water Pressure) .....A**

**Trask Co., H. D., 74 Port-  
land (Fan Engine; Pres-  
sure) .....F**

**Walworth Mfg. Co. (Dam-  
per Feed Water) .AAAA**

**White & Co., C. H., 22  
Bowker (Automatic Fur-  
nace) .....X**

**MASS.—Brookton**  
Tuck Mfg. Co. (Upholster-  
ers') .....E

**REGULATORS (Con.)**

**MASS.—Everett**  
Waters Governor Co. (Fan  
Engine; Hydraulic; Pres-  
sure) .....O

**MASS.—Holyoke**  
Deane Steam Pump Co.  
(Pump) .....AAAA

**MASS.—Indian Orchard**  
Chapman Valve Mfg. Co.  
(Pressure) .....AAA

**MASS.—Lawrence**  
Watts Regulator Co. (Fan  
Engine; Damper; Water  
Pressure; Pump) .....X

**MASS.—Salem**  
Locke Regulator Co. (Steam  
Damper; Water Pressure;  
Boiler Feed Pump) ....A

**Spencer Regulator Co.  
(Damper) .....C**

**MASS.—Worcester**  
Crompton & Knowles Loom  
Works (Damper) .AAAA

**Rice, Barton & Fales Ma-  
chine Co. (Fan; Engine;  
Pressure) .....AA**

**Union Water Meter Co.  
(Damper; Fan Engine;  
Gas Pressure; Pump;  
Water Pressure) .....B**

**MICH.—Detroit**  
Detroit Heating & Lighting  
Co., 335 Wight (Heat) .B

**MINN.—Minneapolis**  
Electric Heat Regulator Co.  
(Automatic Heat) .....E

**MO.—St. Louis**  
Johnson Heating & Regu-  
lating Co., 206 N. 10th  
(Heat) .....D

**St. Louis Steam Engine Co.,  
16 S. Commercial (Fan  
Engine; Pressure) .....D**

**N. J.—Jersey City**  
Griffing Iron Co., A. A.,  
449 Communipaw Av.  
(Heat; Pressure) ....AA

**N. J.—Newark**  
Foster Engineering Co. (Au-  
tomatic Damper; Fan En-  
gine; Pressure; Pump) .A

**N. Y.—Brooklyn**  
Acton, Jno., 118 John  
(Damper) .....D

**Schaffer & Budenberg Mfg.  
Co., 10 Division (Pump)  
D**

**N. Y.—Buffalo**  
Electric Service Co., Bank  
Bldg. (Heat) .....AAA

**N. Y.—Frankfort**  
Utica Steam Gauge Co.  
(Heat) .....X

**N. Y.—Jamestown**  
Engineering & Power Co.  
(Damper) .....AA

**N. Y.—Lockport**  
American District Steam Co.  
(Steam Pressure) .AAA

**N. Y.—Monroe**  
Newburg Mfg. Co. (Low  
Pressure Damper) .....D

**N. Y.—Newburgh**  
Chadborn Mfg. Co. (Heat) X

**New York City**  
Ansonia Clock Co. (Watch-  
makers') .....AAAA

**Baylis Co., 140 Greenwich  
(Gas Pressure) .....D**

**Blake & Williams, 211 W.  
20th (Damper) .....B**

**Boyce, Myron J., 584 Hud-  
son (Gas Pressure) ....B**

**Bushnell Co., Jno. S., 120  
Liberty (Damper) .....E**

**Cobb, Chas. C., 71 Gold  
(Furnace) .....H**

**Crane Co., Wm. M., 1133  
B'way (Gas Pressure) ..A**

**Ford Co., Thos. P., 81  
Centre (Damper; Steam &  
Electric Pump; Rheostat;  
Water Pressure) .....D**

**Gleason Mfg. Co., E. P., 20  
W. Houston (Gas Pres-  
sure) .....B**

**Harlem Mfg. Co., 42 W.  
67th (Pressure) .....F**

**Haydenville Co., 150 Nas-  
sau (Water Pressure;  
Steam; Gas) .....A**

**Homan, J. & E., 378 W.**

# REGULATORS (Con.)

B'way (Heat) .....D  
 Jenkins Bros., 71 John  
 (Damper) .....A  
 Johnson Temperature Regu-  
 lating Co., 240 4th Av.  
 (Heat) .....AAA  
 Kiely & Mueller, 7 W. 13th  
 (Improved Damper; Steam  
 Pressure Pump; Water  
 Pressure) .....B  
 Lawler Water Feed &  
 Damper Regulator Co.,  
 181 Mercer (Hot Water  
 Damper; Furnace; Heat;  
 Hot Water; Pressure)...F  
 McNab & Harlan Mfg. Co.,  
 56 John (Damper).....AAA  
 Monash-Younger Co. (Press-  
 ure Pump) .....B  
 Nason Mfg. Co., 71 Beek-  
 man (Damper; Fan En-  
 gine; Hot Water; Water  
 Pressure; Pump) .....B  
 Puffer & Sons, W. E., 118  
 Beekman (Automatic Fur-  
 nace) .....D  
 Quimby, Wm. E. (Inc.),  
 141 B'way (Pump) .....B  
 Roberts & Bros., Geo. I.,  
 473 4th Av. (Pump) ...A  
 Robertson & Sons, Jas. L.,  
 204 Fulton (Damper;  
 Pump) .....D  
 Rutzler Co., E., 178 Centre  
 (Damper) .....A  
 Schneible Co., Jos. (Beer  
 Pressure) .....B  
 Standard Steam Specialty  
 Co., 111 5th Av. (Damp-  
 er) .....D  
 Thompson & Co., Richard,  
 126 Liberty (High & Low  
 Pressure Damper) .....F  
 Wittmann Bros. (Beer  
 Pressure) .....A  
 Worthington Pumping En-  
 gine Co. (Steam; Water  
 Pressure) .....AAAA  
**N. Y.—Ossining**  
 Kipp, Jr., A. (Damper;  
 Pressure) .....E  
**N. Y.—Oswego**  
 Howard Thermostat Co.  
 (Damper; Heat) .....F  
 Kitts Mfg. Co. (Damper for  
 Steam Boilers; Pressure  
 Pump; Water Pressure) .....D  
**N. Y.—Rochester**  
 Beers Bros. Thermostat Co.,  
 20 Elm (Heat) .....D  
 Falls, Frank H., 272 State  
 (Heat) .....D  
 Rochester Bunting Appara-  
 tus Co. (Beer Pressure) .....B  
 Taylor Bros. Co., 29 Eliza-  
 beth (Heat) .....AA  
**N. Y.—Troy**  
 Ross Valve Co. (Fan En-  
 gine; Pressure; Pump;  
 Steam; Air, Gas & Water  
 Pressure) .....C  
**N. Y.—Utica**  
 International Heater Co.  
 (Heat) .....AAA  
**N. Y.—Yonkers**  
 Van Auken-Cleavage Co.  
 (Damper; Fan Engine;  
 Heat; Hot Water; Pres-  
 sure; Pump) .....E  
**OHIO—Ashland**  
 Myers & Bros., F. E.  
 (Windmill) .....AAAA  
**OHIO—Cincinnati**  
 Lunkenheimer Co. (Pressure  
 Pump) .....AA  
 Steigert, Leopold, Elder &  
 Logan (Automatic Feed  
 Water; Automatic Pump) .....F  
**OHIO—Cleveland**  
 Bishop & Babcock Co.,  
 Hamilton, cor. Kirtland  
 (Carbonic Acid; Gas Pres-  
 sure; Water Pressure) .....AAA  
 Burton & Johnson, 107 W.  
 Center (Pump) .....F  
 Cleveland Faucet Co. (Car-  
 bonic Acid Gas) .....AAA

# REGULATORS (Con.)

Strong, Carlisle & Ham-  
 mond Co., 61 Frankfort  
 (Feed Water; Pump)...A  
**OHIO—Dayton**  
 Thresher Electric Co. (Mo-  
 tor Speed) .....X  
**OHIO—Napoleon**  
 Heller, Aller & Co. (Hy-  
 draulic Windmill) .....A  
**OHIO—Salem**  
 Deming Co. (Windmill)...AA  
**OHIO—Springfield**  
 Mast, Foos & Co. (Wind-  
 mill) .....AA  
**PA.—Bridgeport**  
 Wilkinson Mfg. Co. (Damp-  
 er) .....B  
**PA.—Butler**  
 Evans Mfg. Co. (Gas Pres-  
 sure) .....B  
**PA.—Conshohocken**  
 Collins Mfg. Co. (Automatic  
 Damper; Automatic  
 Pump) .....X  
**PA.—East Pittsburg**  
 Pittsburg Meter Co. (Gas  
 Pressure) .....AA  
**PA.—Harrisburg**  
 Harrisburg Mfg. & Boiler  
 Co. (Damper) .....A  
**PA.—Lancaster**  
 Central Machine Works  
 (Damper) .....E  
**PA.—Philadelphia**  
 Belfield & Co., H., 435 N.  
 Broad (Pressure; Pump;  
 Damper) .....AA  
 Eynon-Evans Mfg. Co., 1519  
 Clearfield (Pump) .....A  
 Haines Co., Wm. S. (Gas;  
 Heat) .....X  
 Hess & Barker Co., 810 San-  
 som (Improved Damper) .....E  
 Lonergan & Co., J. E.  
 (Damper) .....AA  
 Phila. Electric Service Co.,  
 1109 Arch (Heat) .....AAA  
 Thompson & Co., J., cor.  
 Van Horn & Sophia  
 (Water; Pressure) .....A  
 Watson & McDaniel Co.,  
 146 N. 7th (Fan Engine  
 for Steam, Water & Air;  
 Pressure, for Steam, Wa-  
 ter & Air) .....C  
**PA.—Pittsburg**  
 Chaplin-Fulton Mfg. Co.,  
 28 Penn. Av. (Water  
 Pressure) .....A  
 Equitable Meter Co., 225  
 1st Av. (Gas Pressure)...B  
 Kelly & Jones Co., 135  
 Water (Damper; Pressure  
 Pump) .....AA  
 Oil Well Supply Co., 213  
 Water (Gas Pressure) .....AAAA  
**Pittsburg Supply Co. (Ltd.)**  
 (Gas) .....A  
 Westinghouse Electric &  
 Mfg. Co. (Electric)...AAAA  
**PA.—Scranton**  
 Wilson & Warman (Laun-  
 dry Water) .....B  
**PA.—Warren**  
 Jacobson Machine Mfg. Co.  
 (Gas Pressure) .....C  
**PA.—Williamsport**  
 Valley Iron Wks. (Pump) .....A  
**PA.—York**  
 Burrows Mfg. Co. (Auto-  
 matic Damper; Pressure;  
 Automatic Pumps) .....E  
 Spangler Mfg. Co. (Grain  
 Drill) .....C  
**WIS.—Evanston**  
 Baker Mfg. Co. (Windmill)  
 .....AA  
**WIS.—Milwaukee**  
 Erwin Hydraulic Machinery  
 Co., 204 Grand (Water  
 Pressure) .....D  
 Johnson Service Co. (Heat;  
 Pressure; for Branch Of-  
 fices) .....AAA  
**WIS.—Waupun**  
 Althouse, Wheeler Company  
 (Windmill) .....A

## REHEATERS

CONN.—Hartford  
Whitlock Coil Pipe Co....A

## RELISHES

See Condiments & Relishes

## REMEDIES

CONN.—Hartford  
Sturtevant, F. C. (Horse) D

ILL.—Chicago

Burch & Co., F. S. (Horse) D

Campbell & Co., James B. (Horse) X

Emmert Proprietary Co. (Horse) E

N. H.—Keene

Lesure, J. G. (Horse) C

MASS.—Boston

Egyptian Chemical Co. (Horse) X

N.B.R.—Omaha

Lee & Co., G. H. (Horse; Dog) B

VT.—Enosburgh Falls

Kendall Co., Dr. B. T. (Horse) A

## REMOVERS

See also Solvent

CONN.—New Milford  
Bridgeport Wood Finishing Co. (Varnish) AA

N. Y.—Buffalo

Pierce Co., Wm. B., 327 Washn. (Scale) D

New York City

Watson-Stillman Co. (Piston Rod) A

N. Y.—Rochester

Yawman & Erbe Mfg. Co. (Battle; Tin Foll) AA

PA.—Allegheny

Ball Chemical Co. (Varnish; Stairs; Paint) F

PA.—Philadelphia

Henshaw, Jno. B., Germantown (Wall Paper) H

WIS.—Racine

Johnson & Son, S. C. (Paint) D

## RENNET

ILL.—Chicago

Creamery Package Mfg. Co. (Liquid) AAAA

N. Y.—Little Falls

Hansens Lab. Chr. (Junket Tablets) B

N. Y.—Syracuse

American Rennet Ext. Co. D

Gowing, D. H. (Ext.) C

PA.—Philadelphia

Blair, H. C., Walnut & 8th C

Favorite Mfg. Co., 201 N. Front C

## RENOVATORS

ILL.—Chicago

Jewel Mfg. Co., 515 Holden Pl. (Carpet) F

MASS.—Worcester

Curtis & Marble Machine Co. (Flock) A

N. Y.—Brooklyn

Houchin & Huber (Feather) D

## REPEATERS

N. J.—Paterson

Royle & Sons, Jno. (Jacquard Card; French Index; Fine Scale) A

New York City

Bunnell & Co., J. H., 20 Park Pl. (Automatic) B

PA.—Philadelphia

Schaum & Uhlinger (Jacquard Card) AAA

## REPELLERS

CONN.—New Haven

## REPELLERS (Con.)

Marlin Fire Arms Co. (Rust) AA

## REPLACERS

ILL.—Chicago

Handy Car Equipment Co., Old Colony Bldg. (Car) D

Railway Appliance Co., Old Colony Bldg. (Car; Locomotive) A

Tilden Co., B. E., Monadnock Bldg. (Car) D

ILL.—Harvey

Buda Foundry & Mfg. Co. (Car; Locomotive) A

MASS.—Boston

Laconia Car Co., 50 State (Car) AA

MICH.—Kalamazoo

Kalamazoo Railway Supply Co. (Car) C

N. Y.—Utica

Kline, August (Car) F

OHIO—Portsmouth

Portsmouth Pressed Steel Co. (Pressed Steel) D

PA.—Scranton

Alexander Car Replacer Mfg. Co., Mears Bldg. (Car; Locomotive) D

RE-PRESSERS

MICH.—Morenci

Michigan Brick & Tile Machine Co. (Brick; Terra Cotta) D

N. C.—Statesville

Steele & Sons, J. C. (Brick) B

OHIO—Bucyrus

American Clay Working Machine Co. (Brick) X

OHIO—Middleport

Ohio Machine Co. (Brick) C

PA.—Lancaster

Martin Brick Machine Mfg. Co., Henry (Brick) B

REPRO-  
DUCTIONS

See also Furniture

MASS.—Boston

Soule Art Co. (Photograph) X

MASS.—Springfield

Taber-Prang Art Co. (Photograph) AA

RE-SAWS

ILL.—Chicago

Preble Machine Works Co. (Bond) D

MASS.—Orange

Chase Turbine Mfg. Co. (Automatic) A

MICH.—Saginaw

Mershon & Co., Wm. B. A

Saginaw Mfg. Co. (Band) AA

MINN.—Minneapolis

Mercen, Arno, 44th & Lyndale (Horizontal Box) X

N. J.—Smithville

Smith Machine Co., H. B. (Circular) A

N. Y.—Belmont

Clark Bros. Co. (Band) A

N. Y.—Buffalo

Frank Machinery Co. (Circular) C

N. Y.—Rochester

Connell & Dengler Machine Co. B

OHIO—Cincinnati

Cordesman Machine Co. (Band) X

Fay & Egan Co., J. A. (Band) AAAA

WIS.—Beloit

Berlin Machine Wks. AAAA

WIS.—Eau Claire

McDonough Mfg. Co. A

RESERVOIRS

ILL.—Chicago



## RESERVOIRS (Con.)

Cribben & Sexton Co., 54  
Erie (Enamelled Stove) AA  
IND.—Jeffersonville  
Indiana Mfg. Co. (Stove). A  
PA.—Erie  
Erie Stamping & Mfg. Co.  
(Oil) .....D  
WIS.—Milwaukee  
Pressed Steel Tank Co. (Air  
Brake) .....B

## RESINOIDS

ILL.—Chicago  
Baker & Co., Chas. S. ....C  
MD.—Baltimore  
Sharp & Dohme .....AAA  
MASS.—Cambridge  
Thayer & Co., Henry ....A  
MICH.—Detroit  
Parke, Davis & Co. ....AAAA  
New York City  
Keith & Co., B. ....F  
PA.—Philadelphia  
Hance Bros. & White. ....AA

## RESORCINE

New York City  
Boehringer & Soehne, C. F. A

## RESPIRATORS

IND.—South Bend  
Cover, H. S. ....C

## RESTS

See also Furniture

CONN.—Meriden  
Bradley & Hubbard Mfg.  
Co. (Music) .....AAAA  
Foster, Merrimon & Co.  
(Music) .....AA  
CONN.—New Britain  
Taplin Mfg. Co. (Cigar). D  
CONN.—New Haven  
New Haven Mfg. Co.  
(Shafting) .....AA  
CONN.—Torrington  
Hendey Machine Co.  
(Slide) .....AA  
ILL.—Chicago  
Chicago Chair & Wheel Co.  
(Back) .....A  
Chicago Spring Butt. Co.,  
491 Carroll Av. (Shoe  
Blacking) .....C  
Nicol & Co. (Shoe) .....D  
ILL.—Freeport  
Stover Mfg. Co. (Book). AA  
MD.—Baltimore  
Kerr & Son Co., Samuel  
(Arm) .....A  
MASS.—Boston  
American Tool & Machine  
Co. (Slide) .....AA  
MASS.—Everett  
Blount & Co., J. G. (Slide)  
D  
MASS.—Fitchburg  
Fitchburg Machine Works  
(Shafting) .....B  
Putnam Machine Co.  
(Shafting) .....A  
MASS.—Lowell  
Woods, Sherwood Co.  
(Wire; Knife) .....E  
MASS.—Worcester  
Cleveland Machine Works  
(Slide) .....A  
Draper Machine Tool Co.  
(Shafting) .....B  
National Mfg. Co. (Wire  
Knife) .....A  
Reed Co., F. E. (Slide). A  
MICH.—Muskegon  
Sargent Mfg. Co. (Book)  
B  
MINN.—Minneapolis  
McLeod & Smith (Foot). B  
MO.—St. Louis  
Brauer, A. G. (Stove;  
Foot) .....C  
Kupferle, Jno. O. (Shoe  
Blacking) .....AA  
Pleunger & Henger Mfg. Co.  
(Shoe Blacking) .....A  
N. H.—Nashua  
Fletcher & Webster Furni-

## RESTS (Con.)

ture Co. (Foot) .....C  
N. J.—Newark  
Chase, Edward O. (Slide). D  
Sacks, Louis (Foot; Shoe  
Blacking) .....A  
N. Y.—Binghamton  
Crescent Co. (Body) .....F  
N. Y.—Buffalo  
Aldrich Mfg. Co. (Stove;  
Foot) .....A  
Oliver Mfg. Co., W. W.  
(Slide) .....C  
N. Y.—Jamestown  
Jamestown Lounge Co.  
(Foot) .....AA  
New York City  
Aeolian Co. (Music). AAAA  
Denzl & Phillips (Foot). C  
Carvin Machine Co. (Slide)  
AA  
Gould-Mersereau Co.  
(Music) .....B  
Johns, H. W. & Manville  
Co. (Asbestos; Iron)  
AAAA  
Mace & Co., L. H. (Back;  
Invalid) .....B  
Mason & Co., J. W. (Inva-  
lid; Back) .....D  
Sargent Co., Geo. F.  
(Invalid; Back) .....X  
Stove Mfrs. Repair Asso-  
ciation (Stove; Foot) ...E  
N. Y.—Seneca Falls  
Westcott-Jewell Co. (Arm;  
Book; Bookkeepers' Arm)  
D

## OHIO—Cincinnati

Globe-Wernicke Co. (Arm)  
AAAA  
Lodge & Shipley Machine  
Tool Co. (Slide) .....AA  
OHIO—Cleveland  
Chandler & Price Co.  
(Galley) .....A  
Tanner Mfg. Co. (Stove  
Leg) .....A  
PA.—Allegheny  
Pittsburg, Brass & Glass  
Co. (Music) .....AAAA  
Superior Mfg. Co. (Gas  
Log) .....C  
PA.—Philadelphia  
Johnson & Lund (Head). AA  
PA.—Reading  
Reading Hardware Co.  
(Shoe Blacking; Foot)  
AAAA  
PA.—Wrightsville  
Wrightsville Hardware Co.  
(Foot; Shoe Blacking). B

## RETAINERS

See also Hardware; Carriage

IOWA—Fort Dodge  
Fort Dodge Stoneware Co.  
(Extract) .....C  
MASS.—Springfield  
Young, W. T. (Hoof Pad)  
D  
New York City  
Osmer's Co., Frank C., 15  
W. 27th (Tie) .....E  
N. Y.—Rochester  
Pullman Mfg. Co. (Plaster)  
B  
PA.—Pittsburg  
Alpine Mfg. Co. (Skirt). B  
R. I.—Providence  
Cory & Reynolds Co.  
(Necktie) .....C  
VA.—Richmond  
Richmond Woodworking  
Co. (Tobacco) .....B

## RETARDERS

New York City  
Hoyt, Arthur S. (Plaster). B  
Reilly Repair & Supply  
Co., 229 West (Boiler  
Tube) .....AA  
OHIO—Port Clinton  
Ohio Retarder Co. (Stucco)  
D  
OHIO—Uhrichsville  
Binns Stucco Retarder Co.  
(Stucco) .....E

## RETICULES

WIS.—Milwaukee  
Meinecke & Son, A.....AA

## RETOOTHERS

MICH.—Grand Rapids  
Baldwin, Tutthill & Bolton B

## RETORTS

See also Clay

—Denver  
Denver Fire Clay Co.  
(Mining) .....AA  
ILL.—Batavia  
Sperry & Co., D. R. (Amalgam; Condensers) .....B  
ILL.—Chicago  
Allis-Chalmers Co. (Amalgam; Condensers; Mining) .....AAAA  
Chicago Retort & Fire Brick Co., 45th & Clark (Gas) .....A  
KY.—Louisville  
Louisville Fire Brick Works (Gas) .....A  
MD.—Baltimore  
Baltimore Retort & Fire Brick Co., Nicholson Cor. Hall (Gas; Clay) .....B  
Bartlett, Hayward & Co. (Gas) .....B  
MASS.—Boston  
Boston Fire Brick Co., (Geo. M. Fiske, Mgr.), 164 Devonshire (Gas) ....A  
MASS.—Taunton  
Taunton Crucible Co. (Plumbago) .....B  
MASS.—Worcester  
Arcade Malleable Iron Co. (Gas; Iron) .....A  
MO.—St. Louis  
Laclede Fire Brick Mfg. Co., 105 N. 7th (Gas Canning) .....AAAA  
Missouri Fire Brick Co. (Gas) .....B  
Parker-Russell Mining & Mfg. Co. (Clay).....AAA  
N. J.—Garwood  
Beckley & Son, A. J. (Amalgam; Condensers) D  
N. J.—Jersey City  
Gautier Co., J. H., Greene & Essex (Gas; Clay)....AA  
N. J.—Phillipsburg  
Warren Fdry. & Machine Co. (Cast Iron) .....AA  
N. Y.—Brooklyn  
Brooklyn Fire Brick Works, 88 Van Dyke (Gas; Clay) .....A  
N. Y.—Buffalo  
Trout, H. G. (Chemical).B  
New York City  
Kreischer Brick Mfg. Co., 119 E. 23rd (Gas; Canning; Clay) .....B  
Maurer & Son, Henry, 420 E. 23rd (Gas; Clay)....AA  
Weber's Sons, Adam, 15 Park Row (Gas; Canning) .....AA  
OHIO—Zanesville  
Griffith & Wedge Co. (Amalgam; Condensers) A  
PA.—New Brighton  
Pittsburg Clay Mfg. Co. (Chemical) .....AAAA  
PA.—Philadelphia  
Borgner Co., Cyrus, 23rd & Race (Gas; Clay) .....B  
Gillinder & Sons (Inc.) (Chemist's Glass) .....A  
Philadelphia Fire Brick Works, 2306 Vine (Gas) A  
Wood Co., R. D. (Canning) AAAA  
PA.—Pittsburg  
Gardner, Co., James Jr., Hamilton Bldg. (Gas; Canning; Clay) .....B  
PA.—Warren  
Struthers, Walls Co. (Chemical for Wood Al-

## RETORTS (Con.)

cohol Wks.) .....AA  
PA.—Williamsport  
Keeler Co., E. (For Wood Alcohol Wks.) .....A

## RETRACTORS

OHIO—Cleveland  
Federal Mfg. Co. (Trolley) AAAA

## REVOLVERS

See Fire-Arms

## REWINDERS

N. Y.—Rochester  
Knowlton Co., M. D. (Paper) .....AA

## RHEOSTATS

ILL.—Chicago  
Badt & Co., F. B., Monadnock Bld. (Mfr's Agents) F  
McGuire Cummings Mfg. Co., 122 N. Sangamon (Carbon Elec.) .....AA  
McIntosh Battery & Optical Co., 39 W. Randolph (Cauterycet) .....D  
Roth Bros. & Co. (Dynamamos; Field) .....B  
Western Electric Co., 257 So. Clinton (Stage Dimming) .....AAAA  
ILL.—Peoria  
Diamond Meter Co., 926 So. Adams .....C  
IND.—Fort Wayne  
Fort Wayne Electric W'ks. (Motor Starting) ....AAA  
IND.—Indianapolis  
Jenney Electric Mfg. Co. (Motor Starting) .....A  
MASS.—Boston  
Gilmore Electric Co.....AA  
Mason Regulator Co.....A  
Simplex Electrical Co....AAA  
Zeigler Apparatus Co., 200 Summer (Stage Dimming, etc.) .....X  
MASS.—Springfield  
Elektron Mfg. Co. (Automatic) .....A  
MICH.—Detroit  
Muir & Son, Thos., Union Trust Bldg. ....H  
N. Y.—Bronxville  
Ward Electric Co., Leopold (Automatic; Dynamo Field; Motor Speed Regulating; Motor Starting) A  
New York City  
Darrin Co., D. H., 126 Liberty .....D  
Gordon Battery Co. (Water) .....D  
Zucker, Levett & Loeb Co., 526 W. 25th .....A  
N. Y.—Schenectady  
General Electric Co. (For Generators; Motors; Projectors) .....AAAA  
N. Y.—Troy  
Bernard Co., Ely (Dynamo Field) .....D  
OHIO—Cleveland  
Electric Controller & Supply Co., 31 Michigan...A  
Lincoln Electric Co., 71 Ontario .....D  
OHIO—Troy  
Hobart Electric Mfg. Co. (Dynamo) .....B  
Ohio Elec. Specialty Mfg. Co. (Dynamo Field; Motor Speed Regulating; Motor Starting) .....G  
PA.—Philadelphia  
Cutler Electrical & Mfg. Co., 1112 Sansom (Motor Starting) .....A  
Quaker City Electric Co., 237 Dock .....D  
Wirt Electric Co., 4523 Tacony (Dynamamos; Field) .....D

**RHEOSTATS (Con.)**

**PA.—Pittsburg**  
Westinghouse Electric &  
Mfg. Co., Westinghouse  
Bldg. ....AAAA  
**W. Va.—Wheeling**  
Mutual Electric Machine  
Co. (Charging) .....O  
**WIS.—La Crosse**  
Benton & Son, Thos. P...E

**RIBBONS**

See also Silk Goods

**ILL.—Chicago**  
Am. Steel & Wire Co.,  
The Rookery (Sash)  
AAAA  
Gardner Sash Balance Co.,  
164 Dearborn (Sash)...O  
Wood & Co., Chas. H.  
(Typewriter) .....F  
**MASS.—Boston**  
Carters' Ink Co. (Type-  
writer) .....A  
Webster Co., F. L.  
(Typewriter) .....AA  
**MASS.—Springfield**  
Smith Mfg. Co., R. H.  
(Stamp) .....O  
**N. J.—Paterson**  
Pelgram & Meyer (Cigar)  
AAAA  
**New York City**  
Clark & Zugalla, 98 Gold  
(Typewriter) .....D  
Gerber Co., Henry (Type-  
writer) .....D  
N. Y. Carbon & Transfer  
Paper Co. (Typewriter).X  
N. Y. Stencil Wks. (Stamp)  
D  
Underwood Typewriter Co.  
(Typewriter) .....AAA  
Wicke Ribbon Co., Wm.  
(Cigar) .....A  
Wolff & Co., Chas. (Cigar)  
A  
**N. Y.—Rochester**  
American Ribbon & Carbon  
Co. (Typewriter) .....D  
Caldwell Mfg. Co. (Sash)  
C  
Little, A. P. (Typewriter)  
AA  
Pullman Mfg. Co. (Sash).B  
**OHIO—Cleveland**  
Donovan & Straus, 58  
Frankfort (Typewriter).F  
**OHIO—Toledo**  
Newton-Rotherick Mfg. Co.  
(Typewriter) .....D  
**PA.—Philadelphia**  
U. S. Typewriter Ribbon  
Mfg. Co., 805 Walnut  
(Typewriter) .....X

**RICE**

**CAL.—San Francisco**  
Brandenstein & Co., M. J.,  
118 Market .....AAAA  
Parrott & Co., 306 Calif..A  
Siegfried & Co., J. C.  
(Imp. Japan) .....A  
**GA.—Savannah**  
Planters' Rice Mill Co..A  
**GA.—Woodbine**  
Bedell, J. K.....O  
**ILL.—Chicago**  
Siegfried & Co., J. C., 5  
Lake (Imp. Japan)....A  
**KANS.—Oswego**  
Indian Rice Mills Co....O  
**LA.—Abbeville**  
Abbeville Rice Mill.....O  
Hunter Bros. Canal Co..O  
Planters' Rice Milling Co.  
B  
**LA.—Crowley**  
Columbia Rice Packing Co.  
(Ltd.) .....A  
Crowley Rice Milling Co..B  
Gueydan Rice Mill.....B  
Hunter Rice Milling Co..B  
Jones Bros. Rice Milling  
Co. ....O  
Marks' Rice Milling Co..O  
Peoples' Independent Rice  
Mills Co. ....B  
Platt, J. E. ....O  
Star Rice Milling Co....R

**RICE (Con.)**

Union Rice Milling Co...B  
**LA.—Donaldsonville**  
Donaldsonville Rice Mill...A  
**LA.—Estherwood**  
Eureka Rice Mill.....B  
**LA.—Gueydan**  
Gueydan Rice Mill Co...B  
Mutual Rice Mill Co (Ltd.)  
O  
**LA.—Iota**  
Iota Rice Milling Co.....B  
**LA.—Jeanerette**  
Jeanerette Rice Milling  
Co. ....O  
**LA.—Jennings**  
Louisiana Rice Milling Co.  
B  
Riverside Irrigating Co. &  
Rice Mill .....B  
**LA.—Kinder**  
Kinder Rice Milling Co.  
(Ltd.) .....O  
**LA.—Lake Charles**  
Lake Charles Rice Mills  
Co. ....A  
Wall Rice Milling Co...B  
**LA.—Mermentau**  
Pelican Rice Milling &  
Warehouse Co. ....B  
**LA.—Morse**  
Morse Rice Milling Co...B  
White Swan Rice Mill Co.  
B  
**LA.—New Orleans**  
Barkley & Co., J., 219 N.  
Peters .....A  
Breux, S. L. 808 Perdido  
O  
Brierres Sona Theo., 217  
N. Peters .....O  
Cormier Rice Co., C., 209  
N. Peters .....O  
Crescent City Rice Mills,  
527 Toulouse .....A  
Del Bondio, E. F., 300  
Poydras .....AA  
Drane & Garic, 217 N.  
Peters .....O  
Guerard & Hassinger, 223  
N. Peters .....O  
Henderson, T. J., 235 N.  
Peters .....O  
Hobart & Co., Hy. L., 307  
N. Front .....A  
Israel Leon, 407 Poydras..B  
Levy, Isaac, 400 Julia...A  
La. Molasses Co., 414 St.  
Jos. ....A  
Mc Dermott, Thos., 225 N.  
Peters .....A  
Nat'l Rice Milling Co., 542  
Montegut .....O  
Orleans Rice Mills (J.  
Foerster, Prop.), 730  
Magazine .....B  
Orme & Sutton Rice Co.,  
209 N. Peters.....O  
Rickert, F. Jr., 700  
Fulton .....O  
St. Louis Rice Mill Co.,  
520 St. Louis .....O  
Socolo, A., 600 Decatur..A  
Talmadge, John S., 237 N.  
Peters .....A  
Trautman & Co., Jac., 401  
Magazine .....A  
Westerfield, J. R., 235 N.  
Peters .....O  
Wynne, Martin J., 218 N.  
Peters .....A  
**LA.—Rayne**  
Acadia Rice Milling Co..O  
Rayne Rice Milling Co..O  
**LA.—Roanoke**  
Roanoke Rice Milling Co..O  
**LA.—Welsh**  
Daniels, P. W.....A  
Welch Rice Milling Co.  
(Ltd.) .....O  
**MD.—Baltimore**  
Wagner & Co., H. M., 115  
Com. ....A  
**MISS.—Natchez**  
Natchez Molasses & Vine-  
gar Co. ....AA  
**N. J.—Matawan**  
Amer. Rice Food & Mfg.  
Co. (Flaked Rice)....AA  
**N. Y.—Brooklyn**  
Atlantic Rice Mills Co..AA  
**New York City**  
Adler & Hirsch, 19 White-

- RICE (Con.)**  
 hall (Imp. Brewers)...B  
 Atlantic Rice Mills (G. A. Jahn & Co., Prop.), 98 Wall .....B  
 Brandenstein & Co., M. J., 96 Wall .....AAAA  
 Cook & Co., W. P., 100 Wall .....B  
 Crooks & Co., 136 Front..AA  
 Davis, A., 90 Wall.....A  
 Hobart & Co., H. L., 120 Front .....A  
 Israel, Leon, 113 Wall...B  
 Larendon, M. W., 138 Front .....B  
 Reisinger, H., 11 B'way (Imp. Brewers') .....A  
 Starace, Achille, 76 Pearl B  
 N. C.—Goldsboro  
 Carolina Rice Mills.....B  
 N. C.—Wilmington  
 Carolina Rice Mills .....B  
**OREGON—Portland**  
 Portland Rice Mills Co...C  
**PA.—Philadelphia**  
 Rogers, Holloway & Co., 131 S. 4th .....A  
 S. C.—Charleston  
 Atlantic Rice Co.....B  
 Bennett's Rice Mill...AA  
 Charleston Import & Export Co. ....A  
 Melchers & Co.....A  
 O'Neill & Sons, Bernhard AA  
 Ravenel & Co. ....C  
 Talmage, Dan .....A  
 West Point Mill Co.....A  
**S. C.—Georgetown**  
 Georgetown Rice Milling Co. ....C  
 Guendalos Rice Co. (Planters) .....C  
 Santee Rice Planting Co. (Planters) .....C  
**S. C.—Waverly Mills**  
 Lachicotte & Sons, P. R.. C  
**S. C.—Whithall**  
 Hayward, D. C., (Planters) .....C  
**TEXAS—Bay City**  
 Bay City Rice Milling Co. B  
 Colo. Valley Rice Milling Co. ....B  
**TEXAS—Beaumont**  
 Beaumont Rice Mills....A  
 Hinz Rice Milling Co...A  
 McFaddin-Wiess-Kyle Rice Milling Co.....AA  
 San Jacinto Rice Co....AA  
**TEXAS—Brownsville**  
 Merchants' & Planters' Rice Mill .....A  
**TEXAS—Eagle Lake**  
 Eagle Lake Rice Milling Co. ....B  
**TEXAS—El Campo**  
 El Campo Rice Milling Co. B  
**TEXAS—Galveston**  
 Seaboard Rice Milling Co. A  
 Texas Star Rice Mills..AA  
**TEXAS—Houston**  
 Chafee Rice Mill & Irrigation Co. ....AAA  
 Dunovant, Wm. ....AA  
 Houston Rice Milling Co. B  
 Lane City Rice Milling Co. A  
 Matagorda Rice Mills...B  
 Talmage, Dan .....A  
 Thompson Milling Co., T. G. ....C  
**TEXAS—Lakeside**  
 Dunovant, Wm. ....AA  
**TEXAS—Orange**  
 Orange Rice Mill Co....A  
**TEXAS—Port Arthur**  
 Port Arthur Milling Co...A  
 Raywood Rice, Canal & Milling Co. ....AA
- RIDDLES**  
**CONN.—Georgetown**  
 Gilbert & Bennett Mfg. Co. (Foundry) .....AAA
- RIDDLES (Con.)**  
**CONN.—Soutaport**  
 Jolleff Co. Mfg. Corp. (Bakers' Foundry) ....C  
**ILL.—Chicago**  
 Barbee Wire & Iron Works (Brass; Foundry; Grain; Miners') .....B  
 Brand & Co., S. H., 99 West Monroe (Nickel Plate) .....E  
 Smith Wire & Iron Works, F. P., 100 Lake (Foundry) .....AA  
**MASS.—Springfield**  
 Bigelow-Cheney Wire Works (Foundry Galvanized)...A  
**MASS.—Worcester**  
 National Mfg. Co. (Foundry) .....A  
 Wright Wire Co. (Foundry Galvanized; Miners')..AA  
**MICH.—Detroit**  
 Phoenix Wire Works, 68 Champlain .....D  
**MO.—St. Louis**  
 Ludlow-Saylor Wire Co. (Farmers' Foundry; Miners') .....AA  
**N. Y.—Buffalo**  
 Buffalo Wire Works Co..D  
 New York City  
 Cable Excelsior Wire Mfg. Co., Wm. (Galvanized)..B  
 Estey Wire Works Co., 59 Fulton .....D  
 Gilbert & Bennett Mfg. Co., 277 B'way (Coal; Foundry; Grain; Miners') AAA  
 Howard & Morse, 45 Fulton (Foundry; Galvanized) D  
**OHIO—Cincinnati**  
 Bromwell Brush & Wire Goods Co. (Coal; Foundry) .....AA  
 Obermayer Co., S. (Foundry) .....AA  
**OHIO—Cleveland**  
 Forest City Steel & Iron Co. ....A  
 Osborn Mfg. Co., 1331 Hamilton .....B  
 Smith Foundry Supply Co., J. D., 40 So. Water ....D  
 Tyler Co., W. S., 1150 St. Clair (Foundry) .....AAAA  
**OHIO—Hamilton**  
 Meyers' Mfg. Co., Fred J. (Coal; Foundry) .....B  
**PA.—Philadelphia**  
 Darby & Sons, Edward, 233 Arch .....A  
 Paxson Co., J. W., 1021 N. Delaware Av. (Coal; Foundry) .....AA
- RIDGERS**  
**MASS.—Chicopee Falls**  
 Belcher & Taylor Agr. Tool Co. (Horse) .....A  
**N. J.—Grenloch**  
 Bateman Mfg. Co. (Horse) A
- RIDGING**  
**ILL.—Warren**  
 Warren Steel Co. (Ornamental) .....D  
**N. Y.—Troy**  
 Globe Ventilator Co., 203 River (Globe Ventilator) C  
**OHIO—Canton**  
 Berger Mfg. Co. (Iron)...AA  
**OHIO—Cleveland**  
 Garry Iron & Steel Co. (Iron) .....A  
**PA.—Philadelphia**  
 Merchant & Co., 517 Arch (Iron) .....AA
- RIFFLERS**  
**PA.—Philadelphia**  
 Disston & Sons, Henry (Bent) .....AAAA  
**R. I.—Providence**  
 Nicholson File Co. (Bent) AAAA

## RIFLES

See Fire-Arms

## RIGGING

**MASS.—Boston**  
Durable Wire Rope Co.  
(Ships; Wire) .....D  
**MO.—St. Louis**  
Leschen & Sons Rope Co.,  
A. (Ships) .....AA  
**New York City**  
Moseley Iron Bridge &  
Roof Co., 39 Cortlandt  
(Iron) .....B  
**N. Y.—Troy**  
Globe Ventilator Co. ....C  
**OHIO—Cleveland**  
Garry Iron & Steel Co.  
(Iron) .....A  
**OHIO—Salem**  
Mullins, W. H. (Iron) ...A  
**PA.—Philadelphia**  
Merchant & Co., 517 Arch  
(Iron) .....AA

## RIMS

For Wagon Rims see Wood-  
work

**CONN.—Bridgeport**  
American Tube & Stamping  
Co. (Automobile) .AAAA  
**CONN.—New Haven**  
Dann Bros. & Co. (Bicycle;  
Vehicles) .....B  
Shepard & Sons, H. G.  
(Bicycle) .....B  
**CONN.—Torrington**  
Eagle Bicycle Mfg. Co.  
(Bicycle) .....A  
**ILL.—Chicago**  
Chicago Screw Co. (Bicycle  
Pedal) .....AAA  
**IND.—Fort Wayne**  
Olds' Wagon Works  
(Bicycle) .....X  
Rastetter & Son, L.  
(Bicycle) .....B  
**IND.—Indianapolis**  
Gillett & Co., C. H. (Vehi-  
cle) .....O  
Lauter, H. (Bicycle) ....B  
Parry Mfg. Co. (Vehicle)  
AAAA  
**IND.—La Porte**  
Niles & Scott Co. (Vehicle)  
AA  
**NE.—West Falmouth**  
West Falmouth Mfg. Co.  
(Vehicle) .....E  
**MD.—Baltimore**  
Stinson, John (Barrel) ...O  
Stinson Mfg. Co., E.  
(Vehicle) .....A  
**MASS.—Boston**  
Pope Mfg. Co. (Bicycle)  
AAAA  
**MICH.—Grand Rapids**  
Michigan Barrel Co. (Bar-  
rel; Riddle; Sieve) ...A  
**N. H.—Concord**  
Holt Bros. Mfg. Co.  
(Vehicle) .....B  
**N. J.—Newark**  
Jones & Co., Phineas  
(Vehicle) .....A  
**N. J.—Sussex**  
Little, Owen J. (Automatic  
Rifle) .....F  
**N. Y.—Buffalo**  
Buffalo Weaving & Belt-  
ing Co. (Web) .....A  
Forsyth Mfg. Co. (Vehicle)  
O  
**OHIO—Cleveland**  
Federal Mfg. Co. (Autom-  
obile) .....AAAA  
Standard Welding Co.  
(Automobile) .....AA  
**OHIO—Defiance**  
Turnbull Wagon Co.  
(Vehicle) .....AA  
**OHIO—Hicksville**  
Kerr Bros. Mfg. Co.  
(Bicycle) .....O  
**OHIO—Hudson**  
Shield, E. B. (Bicycle) ..F  
**OHIO—Toledo**  
Toledo Carriage Woodwork  
Co. (Vehicle) .....A

## RIMS (Con.)

**OHIO—Van Wert**  
Gleason Lumber Co. (Vehi-  
cle) .....A  
**PA.—Mechanicsburg**  
Koller & Co., J. B.  
(Barrel) .....C  
**PA.—Reading**  
Leippe's Sons, Jacob A.  
(Vehicle) .....A  
**PA.—West Chester**  
Hooper Bros. & Darlington  
(Vehicle) .....AA

## RINCERS

**MASS.—Boston**  
Blue Seal Supply Co., 12  
Portland (Bottle) .....C

## RINGERS

**ILL.—Chicago**  
Chicago Pneumatic Tool Co.  
Fisher Bldg. (Pneumatic;  
Locomotive Bell) .AAAA  
Pratt Mfg. Co., 91 Lake  
(Hog) .....B  
Roth Bros. Co., 27 S.  
Clinton (Telephone) ...B  
**ILL.—Decatur**  
Chambers-Bering-Quinlan,  
Co. (Hog) .....A  
**IOWA—Dubuque**  
Smedley Steam Pump Co.  
(Automatic Locomotive  
Bell) .....B  
**MD.—Baltimore**  
Adt, Jno. B. (Tobacco) ..A  
**MICH.—Saginaw**  
Heginbottom, S. H. (Auto-  
matic Locomotive Bell) F  
**MO.—St. Louis**  
Western Railway Equip-  
ment Co., Union Trust  
Bldg. (Locomotive Bell)  
A  
**New York City**  
Edward & Co. (Pneumatic  
Bell) .....D  
**N. Y.—Troy**  
Hammett, Hiram Co.  
(Locomotive Bell) .....D  
**OHIO—Canton**  
Kohler & Co., F. E. (Hog)  
B  
**OHIO—Cincinnati**  
Van Duzen Co., 428 E. 2nd  
(Locomotive Bell) ....B  
**PA.—Cheswick**  
Cheswick Mfg. Co. (Loco-  
motive Bell) .....X  
**PA.—Philadelphia**  
United States Metallic  
Packing Co., 427 N. 18th  
(Locomotive Bell) ....B

## RINGS

See also Rubber Goods;

Jewelry  
**CONN.—Bridgeport**  
Canfield Co., H. O. (Um-  
brella) .....B  
Smith & Egge Mfg. Co.  
(Napkin; Key) .....A  
**CONN.—Hartford**  
Billings & Spencer Co. (Key)  
AA  
**CONN.—Meriden**  
Foster, Merriment & Co.  
(Caster) .....AA  
Mannin, Bowman & Co.  
(Napkin) .....AA  
Meriden Britannia Co. (Nap-  
kin) .....AAAA  
**CONN.—Mt. Carmel**  
Woodruff & Sons, Walter W.  
(Apron) .....A  
**CONN.—New Britain**  
Corbin P. & F. (Locker;  
Hitching) .....AAAA  
Humason & Beckley Mfg.  
Co. (Bull; Hog; Wrought  
Iron) .....A  
North & Judd Mfg. Co. (Hal-  
ter; Breeching; Harness;  
Iron; Brass; Steel) ...AA  
**CONN.—New Haven**  
Cowles & Co., C. (Inc.)  
(Apron) .....A  
Headey & Co., Andrew B.  
(Brass) .....A  
North & Co., O. B. (Har-

**RINGS (Con.)**  
 ness). . . . . AA  
 Seamless Rubber Co. (Umbrella; Teething) . . . . . AAA  
 Snow, L. T., 698 Chapel (Key) . . . . . D  
**CONN.—Norwich**  
 Ossawan Mills Co. (Curtain Screw) . . . . . B  
**CONN.—Oakville**  
 Smith & Son, Seymour (Bull; Hog, also Ringers, etc.), D  
**CONN.—Plantsville**  
 Smith & Co., H. D. (Vehicle Slot) . . . . . A  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co. (Bull; Flush; Hitching) . . . . . AAAA  
**CONN.—Torrington**  
 Turner & Seymour Mfg. Co. (Brass; Box; Brass Curtain; Pole; Screw) . . . . . A  
**CONN.—Wallingford**  
 Wallace & Sons Mfg. Co., E. (Napkin; Key) . . . . . AAAA  
**CONN.—Waterbury**  
 American Ring Co. (Brass; Box; Brass Curtain; Brass Screw; Harness) . . . . . A  
 Plume & Atwood Mfg. Co. (Brass; Box; Caster; Brass Curtain; Brass Screw) . . . . . AAAA  
 Scovill Mfg. Co. (Curtain Brass; Pole; Brass) . . . . . AAAA  
**ILL.—Chicago**  
 Barbee Wire Iron Wks. (Hitching) . . . . . B  
 Illinois Malleable Iron Co., 30 W. Monroe (Malleable Iron) . . . . . AAAA  
 Morgan & Wright (Inc.), 333 W. Lake (Rubber) . . . . . AA  
 Pratt Mfg. Co., Wm. E., 91 Lake (Bull; Hog) . . . . . B  
**ILL.—Decatur**  
 Chambers, Bering, Quinlan Co. (Hog) . . . . . A  
**ILL.—Freeport**  
 Arcade Mfg. Co. (Key) . . . . . A  
 Stover Mfg. Co. (Flush) . . . . . AA  
**IOWA—Dubuque**  
 Adams Co. (Reducing) . . . . . A  
**IOWA—Keokuk**  
 Decker Mfg. Co. (Bull; Hog) . . . . . O  
**MASS.—Andover**  
 Tyler Rubber Co. (Umbrella; Teething) . . . . . AA  
**MASS.—Boston**  
 Bailey & Co., C. J. (Teething) . . . . . B  
 Boston Belting Co., 256 Devonshire (Rubber) . . . . . AAAA  
 Boston Bolt Co., 33 Purchase (Pole) . . . . . O  
 Davidson Rubber Co. (Rubber; Umbrella) . . . . . A  
 Dennison Mfg. Co. (Suspension) . . . . . AAAA  
 New England Bolt & Nut Co., 253 Atlantic Av. (Pole) . . . . . B  
 New England Novelty Mfg. Co. (Key) . . . . . A  
 Stoddard, Haserick, Richards Co., 152 Congress (Spinning) . . . . . B  
**MASS.—Cambridge**  
 Boston Woven Hose & Rubber Co. (Rubber; Fruit Jar) . . . . . AAAA  
**MASS.—Hopedale**  
 Draper Co. (Spinning) . . . . . AAAA  
 Westcott, A. W. (Spinning) . . . . . F  
**MASS.—Lowell**  
 Woods, Sherwood Co. (Napkin) . . . . . B  
**MASS.—Mansfield**  
 Spaulding, D. S. (Key) . . . . . B  
**MASS.—Newburyport**  
 Towle Mfg. Co. (Napkin) . . . . . AA  
**MASS.—Whitinsville**  
 Whitinsville Spinning Ring Co. (Spinning; Twister) . . . . . AA  
**MASS.—Worcester**  
 Desper, H. A. (Boiler; Bracket) . . . . . F

**RINGS (Con.)**  
 Morgan Spring Co. (Bobbin) . . . . . A  
 Parker Wire Goods Co. (Hitching) . . . . . D  
 Spencer Wire Co. (Steel) . . . . . A  
 Wire Goods Co. (Hitching) . . . . . A  
**MICH.—Detroit**  
 Anderson & Sons, W. H. (Pole) . . . . . O  
 Detroit Meter Co. (Iron) . . . . . B  
**MICH.—Tecumseh**  
 Heeson Bros. & Co. (Bull; Hog) . . . . . O  
**MO.—St. Louis**  
 St. Louis Screw Co. (Hog) . . . . . A  
**N. J.—Newark**  
 Celluloid Co. (Celluloid; Teething) . . . . . B  
 Rubber & Celluloid Harness Trimming Co. (Martingale; Rubber; Harness) . . . . . AA  
**N. J.—Paterson**  
 Ashley & Bailey Co. (Key) . . . . . AAAA  
 Buckley's Son, Benj. (Spinning) . . . . . B  
**N. J.—Trenton**  
 Empire Rubber Mfg. Co. (Fruit Jar; Bolt; Rubber) . . . . . AA  
 Home Rubber Co. (Rubber) . . . . . AA  
 Mercer Rubber Co. (Rubber) . . . . . A  
 Trenton Rubber Mfg. Co. (Rubber) . . . . . A  
**N. Y.—Brooklyn**  
 Hay-Budden Mfg. Co., 254 N. Henry (Weldless) . . . . . A  
**N. Y.—Buffalo**  
 Western Wire Goods Co. (Hitching) . . . . . D  
**N. Y.—Manlius**  
 Cheney & Son, S. (Reducing) . . . . . A  
**New York City**  
 Ansonia Brass & Copper Co., 99 John (Brass; Cheeks) . . . . . AAAA  
 Arlington Co., 475 Bway. (Teething) . . . . . AAAA  
 Braxmar Co., C. G. (Society) . . . . . B  
 Estes & Sons, E. B., 45 John (Wooden) . . . . . AA  
 Goodyear Rubber Co. (Teething) . . . . . AAAA  
 Goodyear's India Rubber Glove Mfg. Co. (Rubber; Umbrella; Fruit Jar; Teething) . . . . . AAAA  
 Gorham Mfg. Co., Bway. & 19th (Key) . . . . . AAAA  
 Grote & Co., F. (Napkin), D  
 Gutta Percha & Rubber Mfg. Co. (Rubber) . . . . . AAAA  
 Hodgman Rubber Co. (Rubber) . . . . . AA  
 Ingersoll & Bro., Robt. H., 51 Maiden Lane (Key) . . . . . A  
 International Silver Co., 9 Maiden Lane (Napkin) . . . . . AAAA  
 Judd & Co., H. L. (Brass Curtain; Brass Pole) . . . . . AA  
 Manhattan Brass Co. (Curtain; Brass) . . . . . A  
 Metal Stamping Co. (Apron) . . . . . A  
**New York Belting & Packing Co. (Ltd.)** (Fruit Jars, etc.; Rubber) . . . . . AAA  
 New York Rubber Co. (Rubber; Teething) . . . . . AA  
 Russell & Erwin Mfg. Co., 43 Chambers (Flush) . . . . . AAAA  
 Sargeant & Co., 151 Leonard (Bull; Flush; Hitching) . . . . . AAAA  
 Tiebout, W. & J., 118 Chambers (Brass; Flush; Hitching; Malleable Iron) . . . . . B  
 Walbridge & Co., J. H., 337 Bway. (Key) . . . . . B  
**N. Y.—Syracuse**  
 Stearns & Co., E. C. (Hitching) . . . . . AA  
**N. Y.—Tonawanda**  
 National Roofing Co. (Asphalt; Ready) . . . . . B

**RINGS (Con.)**

**OHIO—Akron**  
 Goodrich Co., B. F.  
 (Harness; Rubber; Umbrella; Fruit Jar; Teething) .....AAAA  
 Whitman & Barnes Mfg. Co.  
 (Fruit Jar; Flush), AAAA  
**OHIO—Canton**  
 Elbel & Co. (Harness; Lariat; Lasso) .....A  
 Ney Mfg. Co. (Hitching) ..B  
**OHIO—Cincinnati**  
 Glenn Glass Co., W. (Fruit Jars, etc.) .....A  
**OHIO—Cleveland**  
 Crucible Steel Forge Co., 83 Lake (Welders) .....X  
 Standard Welding Co. (Steel) .....AA  
**OHIO—Piqua**  
 Piqua Handle & Mfg. Co. (Wood Curtain Pole) ...A  
**OHIO—Plymouth**  
 Root Bros. Co. (Brass) ....B  
**PA.—Allegheny**  
 Carlin's Sons, Thomas (Pile) A  
**PA.—Allentown**  
 Grammes & Sons, L. F. (Brass) .....A  
**PA.—Erie**  
 Continental Rubber Works (Rubber) .....A  
**PA.—Lebanon**  
 Amer. Iron & Steel Mfg. Co. (Pole) .....AAAA  
 Coldren Rubber Co. (Rubber Fruit Jar) .....D  
**PA.—Philadelphia**  
 Bingham, James (Galvanic) A  
 Latrobe Steel Co. Girard Bldg. (Rock Crusher) AAAA  
 Randolph, W. C. (Bone; Harness) .....B  
**PA.—Pittsburg**  
 Lanz & Son, M. (Pole) ...AA  
 Oliver Iron & Steel Co. (Pole) .....AAAA  
 Standard Chain Co. (Iron; Lap) .....AAAA  
**PA.—Reading**  
 Reading Hardware Co. (Flush) .....AAAA  
**R. I.—Pawtucket**  
 Haskell Mfg. Co., Wm. H. (Cinch) .....AA  
 Jenckes Mfg. Co., E. (Spinning) .....A  
 Pawtucket Spinning Ring Co. (Spinning) .....D  
**R. I.—Providence**  
 American Supply Co. (Spinning) .....AA  
 Brown Bros. Co. (Spinning) B  
 Davol Rubber Co. (Teething) .....AA  
 Rhode Island Tool Co. (Cinch) .....AAA  
 Waite-Thresher Co. (Gold) A  
 Wall & Co., A. T. (Spring; Key) .....C  
**WIS.—South Milwaukee**  
 Stowell Mfg. & Foundry Co. (Reducing) .....A

**RINKS**

**WIS.—Milwaukee**  
 Vilter Mfg. Co. (Ice Skating) .....AA

**RIPPERS**

See also Machy

**MAINE—Bangor**  
 Union Iron Wks. (Gang), A  
**MASS.—Somerville**  
 Underhill Chas. L. (Shingle) E  
**MICH.—Bay City**  
 Garland Co., M. (Gang) ..C  
**New York City**  
 Amer. Woodworking Machine Co., 136 Liberty (Gang) .....AAAA  
**PA.—Easton**  
 Bangor Excelsior Slate Co. (Slaters) .....A

**RIPPERS (Con.)**

**PA.—Erie**  
 Standard Saw Mill Mchry. Co. (Gang) .....B  
**WIS.—Milwaukee**  
 Filer & Stowell Co. (Gang) AAA

**RIVETERS**

See also Machy

**CONN.—New Haven**  
 Shuster, F. B. Co. (Bicycle Chain; Rotary Blow) ..X  
**ILL.—Chicago**  
 Hanna Engineering Wks., 820 Elston Av. (Compression) .....B  
 Railway Appliances Co. (Pneumatic) .....A  
 Smith, F. H., Mfg. Co., 18 W. Randolph (Hand) ...D  
**ILL.—Frederick**  
 Arcade Mfg. Co. (Belting; Harness Repairing, etc.) A

**MICH.—Saginaw**  
 Wickes Bros. (Hydraulic) AAA

**N. Y.—Dunkirk**  
 American Air Tool Co. (Compression) .....A  
**New York City**  
 McCabe Hanger Mfg. Co., 533 W. 22d (Bicycle Chain) .....B  
 Niles-Bement-Pond Co., 136 Liberty (Hydraulic; Portable; Steam) .....AAAA  
 Pedrick & Aver Co., 87 Liberty (Pneumatic) .....A  
 Rand Drill Co., 125 Bway. (Pneumatic) .....AAAA  
 Watson Stillman Co., 204 E. 43d (Hydraulic; Portable) A

**OHIO—Alliance**  
 Alliance Machine Co. (Hydraulic; Portable; Steam) AA  
**Morgan Engineering Co.**  
 (Hydraulic) .....AAAA

**OHIO—Cleveland**  
 Oram, John S., 1 N. Coe (Hoop) .....A

**OHIO—Plymouth**  
 Root Bros. Co. (Hand) ....B  
**OHIO—Ravenna**  
 Williams, A. Co. (Hand) ..A

**PA.—Chambersburg**  
 Chambersburg Engineering Co. (Hydraulic) .....A  
**PA.—Philadelphia**  
 Bement, Niles & Co. (Hydraulic) .....AAAA

**Phila. Pneumatic Tool Co.**  
 1038 Ridge Av. (Pneumatic) .....B

**Phila. Roll & Machine Co.**  
 23d & Wash. Av. (Hydraulic) .....A

**Sellers & Co., Wm. (Inc.)**  
 (Hydraulic; Pneumatic; Portable) .....AAAA

**Wood Co., R. D., 400 Chestnut (Hydraulic) ...AAAA**

**PA.—Pittsburg**  
 Fischer Fdy. & Machine Co. (Hydraulic) .....AA

**PA.—So. Bethlehem**  
 Bethlehem Fdy. & Machine Co. (Pneumatic; Portable; Steam) .....C

**PA.—So. Bethlehem**  
 Bethlehem Fdy. & Machine Co. (Pneumatic; Portable; Steam) .....C

**PA.—So. Bethlehem**  
 Bethlehem Fdy. & Machine Co. (Pneumatic; Portable; Steam) .....C

**RIVETS**

See also Bolts; Hardware; Carriage

**CONN.—Bridgeport**  
 Bridgeport Brass Co. (Belt; Hose; Brass; Copper) AAA

**CONN.—Derby**  
 Birmingham Brass Co. (Brass) .....AA

**CONN.—Middale**  
 Clark Bros. Bolt Co. (Iron; Steel) .....A

**CONN.—New Haven**  
 Cowles & Co., C. (Inc.) (Iron) .....A

**Grilley Co. (Hame) .....C**  
 National Rivet Wks. (Chas.

**RIVETS (Con.)**

E. Brown (Barrel; Belt; Hose; Coopers; Norway Iron; Stove; Tinnern) ..B  
 Reves Mfg. Co. (Brass; Copper) .....C  
**CONN.—Torrington**

Ooe Brass Mfg. Co. (Belt; Hose; Brass; Copper) ..AAAA

Progressive Mfg. Co. (Brass; Copper; German Silver; Iron; Steel) .....A

Turner & Seymour Mfg. Co. (Iron) .....A

**CONN.—Unionville**

Upson Nut Co. (Boiler; Tank; Bridge; Structural; Norway Iron; Tinnern; Steel) .....AAAA

**CONN.—Waterbury**

Benedict & Burnham Mfg. Co. (Brass; Copper; Belt; Hose) .....AAAA

Blake & Johnson (Aluminum; Brass; Copper; German Silver; Braziers; Iron; Steel) .....A

Holmes, Booth & Haydens Co. (Belt; Hose; Brass; Copper) .....AAA

Patent Button Co. (Rubber Shoe) .....A

Plume & Atwood Mfg. Co. (Belt; Hose; Brass Copper; Bronze; Brasiers) ..AAA

Scovill Mfg. Co. (Brass; Copper; Brasiers) .....AAAA

Steele & Johnson Mfg. Co. (Brass) .....A

Waterbury Mfg. Co. (Brass; Boiler; Tank; Copper; Coppersmiths) .....AAAA

**CONN.—Winsted**

Moore, Franklin Co. (Cone; Truss; Oval; Round Headed; Norway Iron; Steel Carriage) .....A

**DEL.—Wilmington**

Diamond State Steel Co. (Boiler; Tank; Bridge; Structural; Norway Iron; Ship; Black Tinnern; Steel) .....X

**ILL.—Chicago**

American Steel & Wire Co., The Bookery (Barrel; Belt; Hose; Boiler; Tank; Brass; Copper; Coopers; Norway Iron; Shovel; Stove; Tinnern) .....AAAA

Besly, Chas. H. & Co., 15 Clinton (Iron; Steel), AA

Braun, J. G., 232 So. Pauline (Ornamental Steel) ....A

Continental Bolt & Iron Wks., 22d & Union (Bridge; Structural) ....A

Grand Crossing Track Co., So. Chicago Av. & 79th (Belt; Hose; Tinnern; Copper; Clinch; Hinge; Iron; Steel) .....AAA

Republic Iron & Steel Co., Stock Exchange Bldg., (Boiler; Tank; Bridge; Structural; Car; Norway Iron; Ship; Steel), AAAA

**ILL.—Freeport**

Stover Mfg. Co. (Brasiers) ..AA

**IND.—Indianapolis**

Parkhurst Mfg. Co. (Bridge; Structural) .....C

**IND.—Madison**

Tower Mfg. Co. (Tinned; Coppered; Iron; Burrs; Belt; Hose; Countersunk; Coopers; Tinnern) .....C

**MASS.—Boston**

Boston Bolt Co., 33 Purchase (Boiler; Tank; Norway Iron; Ship; Tinnern) ....C

New England Bolt & Nut Co., 253 Atlantic Av. (Boiler; Tank; Bridge; Structural; Ship) .....B

Standard Rivet Co., 41 Lincoln (Belt; Hose, for Leather, Cloth; & other Fabrics; Bifurcated; Rubber Shoe; Shoe; Tinned;

**RIVETS (Con.)**

Pronged) .....B  
 Tubular Rivet & Stud Co. (Bevel Pointed; Tubular; Leather; Harness; Shoe; Pronged) .....AAA

**MASS.—Fairhaven**

Atlas Tack Co. (Copper; Belt; Hose; Boiler; Tank; Brass, also Brass; Copper; Burrs; Tinnern; Carriage; Iron; Rubber Shoe; Wagon; Tinned; Stove; Trunk; Hame) .....AAAA

**MASS.—Plymouth**

Cobb & Drew (Brass; Copper; Iron; Steel) .....AA

Plymouth Mills (Inc.) (Iron; Steel) .....B

**MASS.—Taunton**

Taunton Rivet Co. (Copper, also Burrs, Tinnern) ....X

**MASS.—Waltham**

Thomson Mfg. Co., Judson L. (Bifurcated) .....A

**MASS.—Winchenron**  
 Townsend, G. G. (Barrel) X

**MASS.—Worcester**

Reed & Prince Mf. Co. (Brass; Copper; Norway Iron; Shovel; Tinnern) ..B

Wright Wire Co. (Wire) AA

**MICH.—Detroit**

Detroit Copper & Brass Rolling Mills (Belt; Hose; Brass; Copper; Wire; German; Silver) .....AAAA

Michigan Bolt & Nut Wks., Ft. Meldrum Av. (Boiler; Tank; Bridge; Structural; Car; Norway Iron; Ship) ..AA

**MO.—Kansas City**

Kansas City Bolt & Nut Co. (Boiler; Tank; Bridge; Structural; Car; Ship) ...A

**MO.—St. Louis**

Moran Bolt & Nut Mfg. Co. (Boiler; Tank; Bridge; Structural; Car) .....A

**N. J.—Boonton**

Lincoln Iron Works (Bridge) ..B

**N. J.—Dover**

Ulster Iron Wks. (Boiler; Tank) .....AA

**N. J.—Newark**

Gould's Son & Co., M. (Trunk) .....A

Jenkenston, R. O. & Co. (Iron; Steel) .....AA

Newark Rivet Works (Brass; Copper; Black Coppered; Tinned; Norway Iron) .....AA

**N. J.—Trenton**

Trenton Iron Co. (Iron) ...A

**N. Y.—Brooklyn**

Upham & Bros., N. B., 30 Hudson Av. (Aluminum; Brass; Copper; Bridge; German Silver) .....X

**New York City**

Amer. Steel & Wire Co., 71 Bway. (Belt; Hose; Boiler; Tank; Brass; Copper; Norway Iron; Shovel; Stove; Tinnern) ....AAAA

Fuller Bros. & Co., 139 Greenwich (Mfrs. Agents) (Boiler; Tank; Bridge; Structural) .....D

Greenlie, Wyatt & Co., 499 Water (Bridge; Structural) .....B

Hassall, Jno., 169 Elm (Brass; Copper; German Silver; Norway Iron) ...B

Hendricks Bros., 49 Cliff (Copper) .....AAAA

Hungerford Brass & Copper Co., U. T., 497 Pearl (Belt; Hose; Brass; Copper; Coopers) .....AA

Hose; Brass; Copper; Coopers) .....AA

Iron Olad Mfg. Co., 24 Cliff (Tinnern's) .....AAA

Russell & Erwin Mfg. Co., 43 Chambers (Iron; Steel) ..AAAA

Sargeant & Co., 151 Leonard (Hinge) .....AAAA

Stimpson & Son, Edwin B.,



**RIVETS (Con.)**

31 Spruce (Belt; Hose; Tubular) .....A  
 Tiebout, W. & J., 118 Chambers (Oyster) .....B  
**N. Y.—Portchester**  
 Russell, Burdall & Ward Bolt & Nut Co. (Iron; Steel) .....AAAA  
**N. Y.—Rome**  
 Rome Brass & Copper Co. (Belt; Hose; Brass; Copper) .....AAAA  
**N. Y.—Troy**  
 Burden Iron Co. (Boiler; Tank; Iron Steel) .....AAAA  
**OHIO—Cincinnati**  
 Robertson Steel & Iron Co., Cor. Front & Elm (Steel) .....A  
**OHIO—Cleveland**  
 Atlas Car & Mfg. Co. (Iron; Steel) .....AA  
 Bassett-Presley Co. (Bridge; Structural) .....AA  
 Bourne & Knowles Mfg. Co., 8 Main (Iron) .....A  
 Champion Rivet Co., Union at Erie R. R. (Boiler; Tank; Bridge; Structural; Ship; Boat; Iron Steel) .....A  
 Forest City Steel & Iron Co. (Iron; Steel) .....A  
 Lamson & Sessions Co., 412 Scranton Av. (Car; Coopers; Stove) .....AA  
 National Screw & Tack Co. (Coopers; Tanners) .....AA  
 Vulcanus Forging Co. (Forged; Boiler; Tank; Forged Bridge; Structural; Forged Ship) .....B  
**OHIO—Columbus**  
 Berry Bros. ....B  
 Columbus Bolt Works (Iron) .....AA  
**OHIO—Youngstown**  
 Youngstown Mfg. Co. (Boiler; Tank) .....AA  
**PA.—Allentown**  
 Allentown Rolling Mills (Iron) .....AAA  
**PA.—Lancaster**  
 Penn. Iron Co. (Bridge; Structural; Car; Ship) .....A  
**PA.—Lebanon**  
 American Iron & Steel Mfg. Co. (Boiler; Tank; Bridge; Structural; Car; Norway Iron; Ship) .....AAAA  
**PA.—New Brighton**  
 Townsend, C. C. & E. P. (Tanners; Copper; Iron; Steel) .....AAA  
**PA.—New Castle**  
 New Castle Forge & Bolt Co. (Boiler; Tank; Bridge; Structural; Ship; Iron; Steel) .....AA  
**PA.—Norristown**  
 Reading Screw Co. (Iron; Steel) .....A  
**PA.—Philadelphia**  
 Hoopes & Townsend Co., 1330 Buttonwood (Barrel; Boiler; Tank; Bridge; Structural; Car; Coopers; Norway Iron; Ship; Flat) .....AAA  
 Phoenix Bridge Co. (Iron) .....A  
**PA.—Pittsburg**  
 Carroll-Porter Boiler & Tank Co. (Iron; Steel) .....B  
 Dowerman Rivet & Bolt Mfg. Co., 32d & Penn Av. (Bridge; Structural) .....E  
 Fort Pitt Forge Co. (Boat; Iron; Steel) .....B  
 Garland Chain Co., Frick Bldg. (Tanners) .....AAA  
 Hussey & Co., C. G., 2850 2d Av. (Copper) .....AAA  
 Jones & Laughlin Steel Co. (Boiler; Tank; Bridge; Structural; Norway Iron) .....AAAA  
 Lamz & Sons, Mathew, 101 S. 20th (Bridge; Structural; Car; Iron; Steel) .....AA  
 Oliver Iron & Steel Co. (Boiler; Tank; Bridge; Structural; Car; Ship) .....AAAA

**RIVETS (Con.)**

Pittsburg Forge & Iron Co. (Iron) .....A  
 Pittsburg Mfg. Co., 28th & R. R. (Boiler; Tank; Iron; Steel) .....A  
 Pittsburg Screw & Bolt Co. (Boiler; Tank; Bridge; Structural) .....A  
 Scaife & Sons, Wm. B., 221 1st Av. (Belt; Hose; Boiler; Tank; Bridge; Structural; Iron; Steel) .....AAA  
 Severance Mfg. Co., S., Murland Bldg. (Boiler; Tank; Bridge; Structural; Norway Iron; Ship) ....B  
**PA.—Scranton**  
 Scranton Bolt & Nut Co. (Bridge; Structural) .....AA  
**R. I.—Providence**  
 American Screw Co. (Belt; Hose; Tanners; Carriage; Iron Trimmers; Hame; Steel) .....AAAA  
**TENN.—Memphis**  
 Livermore Foundry & Machine Co. (Iron) .....A  
**VA.—Richmond**  
 Old Dominion Iron & Nail Wks. Co. (Boiler; Tank; Bridge; Structural; Ship) .....AA

**ROADS**

**MICH.—Grand Rapids**  
 Butterworth & Lowe (Pole; Legging) .....A

**ROASTERS**

**COLO.—Denver**  
 Denver Engineering Wks. Co. (Mechanical) .....A  
**ILL.—Chicago**  
 Crestors & Co., C. (Peanut) .....E  
**ILL.—Paxton**  
 Paxton Hdw. Mfg. Co. (Coffee) .....X  
**MASS.—Attleboro**  
 Carter, Quarnstrom & Remington (Coffee) .....O  
**MASS.—Worcester**  
 Hamblin & Russell Mfg. Co. (Wire Turkey) .....B  
**N. J.—Burlington**  
 Stuart & Peterson Co. (Peanut) .....A  
**New York City**  
 Bramhall-Deane Co. (Coffee) .....B  
 Burns & Sons, Jabez, 542 Greenwich (Coffee) .....B  
 Crandall & Godley Co. (Peanut) .....AA  
 Fraser Mfg. Co., 26 Cortlandt (Coffee) .....D  
 Hungerford Bros. & Co. (Coffee) .....B  
**N. Y.—Poughkeepsie**  
 Lane Bros. Co. (Coffee) .....A  
**N. Y.—Silver Creek**  
 Howes Co., S. (Coffee) .....A  
**OHIO—Cincinnati**  
 Hilbert Machine Co. (Peanut) .....D  
 Kingery Mfg. Co. (Peanut; Coffee) .....O  
 Lee, Thos. (Peanut) .....C  
**OHIO—Troy**  
 Royal Polished Steel Roaster Co. (Steel) .....D  
**PA.—Hazleton**  
 Koenig, M. F. (Coffee) ...X  
**PA.—Philadelphia**  
 Mills & Bro. Thos., 1301 N. 8th (Peanut) .....A

**ROBES**

**CAL.—Napa**  
 Napa Woolen Mill (Lap), C  
**CAL.—Oakland**  
 Keller Co., M. J. (Night) .....A  
**CAL.—San Francisco**  
 Golden Gate Woolen Mfg. Co., Cor. Bryant & 19th (Carriage) .....A  
 Ulman, Seelgsohn & Brown (Night) .....B  
**CAL.—Santa Rosa**  
 Santa Rosa Woolen Mills

**ROBES (Con.)**

(Fancy; Woolen) .....O  
**ILL.—Chicago**  
 Chase & Co., L. C. (Common) .....AA  
 Freytag, M. (Fur) .....B  
 Kimball & Co., O. P. (Carriage) .....AA  
**ILL.—Mattoon**  
 Buck Mfg. Co., Geo. N. (Night) .....B  
**ILL.—Sterling**  
 Rock Falls Mfg. Co. (Burial) .....A  
**IND.—Crawfordsville**  
 Crawfordsville Casket Co. (Burial) .....B  
**IND.—La Grange**  
 La Grange Robe & Fur Co. (Fur) .....H  
**IOWA—Dubuque**  
 Glover Co., H. B. (Flannel-ette Night) .....A  
 Rider Wallis Co. (Night) .....AA  
**MAINE—Lewiston**  
 Bates Street Shirt Co. ...O  
**MAINE—Sanford**  
 Sanford Mills (Carriage; Plush; Wool) .....AAA  
**MAINE—South Berwick**  
 Newichawanick Co. (Carriage) .....A  
**MD.—Baltimore**  
 Day, Son & Co., O. Y. (Carriage) .....O  
 North Bros. & Strauss (Night) .....A  
**MASS.—Boston**  
 Chase & Co., L. C. (Common) .....AA  
 Macullar-Parker Co. (Bath) .....AA  
 Richardson & Co., Wm. H. (Bath) .....C  
 Sasconville Mills (Carriage) .....AAAA  
**MASS.—Leonmister**  
 Wachusett Shirt Co. (Night) .....A  
**MASS.—Pittsfield**  
 Pontoosuc Woolen Mfg. Co. (Carriage; Lap) .....AA  
**MICH.—Coronna**  
 U. S. Robe Co. (Knit) ..C  
**MICH.—Detroit**  
 Pioneer Woolen Mills (Carriage) .....D  
**MICH.—Grand Rapids**  
 Powers & Walker Casket Co. (Burial) .....A  
**MICH.—Wyandotte**  
 Bishop Co., J. H. (Carriage; Fur) .....A  
**MINN.—Minneapolis**  
 North Star Woolen Mill Co. (Carriage) .....AA  
**MO.—St. Joseph**  
 Buell Mfg. Co. (Carriage) .....A  
**MO.—St. Louis**  
 Mound Coffin Co. (Burial) .....A  
**N. J.—Newark**  
 Peters Harness & Saddlery Co. (Lap) .....C  
**N. J.—Passiac**  
 Algonquin Co. (Carriage Lap) .....AA  
**N. Y.—Albany**  
 Munson, S. L. (Night) ..AA  
**N. Y.—Brooklyn**  
 Kenyon Co., O. (Bath) ..AA  
**N. Y.—Buffalo**  
 Amer. Buffalo Robe Co. (Carriage; Plush; Lap; Automobile; Baby Carriage) .....A  
**N. Y.—Gloversville**  
 Leak Fur Mfg. Co. (Fur) .....D  
**N. Y.—Lockport**  
 Dumville & Co. (Night) ..C  
**N. Y.—Mattewan**  
 Mattewan Mfg. Co. (Fur Lap) .....A  
**N. Y.—Milton**  
 Bell's Sons Co., Henry H. (Men's Bath) .....B  
**N. Y.—Newburg**  
 Stroock Plush Co. (Lap) ..B  
 New York City  
 Benjamin & Co., Alfred

**ROBES (Con.)**

(Bath) .....AAA  
 Cooper, Michael (Ladies' Bath) .....B  
 Goodyear Rubber Co. (Lap) .....AAAA  
 Heller, Rothschild & Lang (Bath) .....A  
 Kelsey, Albert (Lap) ....B  
 Rogers, Peet & Co., 13th & B'way (Bath) .....AAAA  
 Steiner & Son (Women's Night) .....A  
 Stroock & Co., S. (Carriage; Plush) .....A  
 Taylor & Co., H. E., 510 E. 72d (Burial) .....A  
**N. Y.—Rochester**  
 National Casket Co. (Burial) .....AAAA  
**N. Y.—Troy**  
 United Shirt & Collar Co. (Night; Bath) .....AAAA  
**OHIO—Cincinnati**  
 Crane & Breed Mfg. Co. (Burial) .....AA  
 Sturn & Sons, G. (Bath) .....B  
**OHIO—Cleveland**  
 Beckman Co. (Carriage; Lap; Woolen) .....AA  
**OHIO—Columbus**  
 Columbus Coffin Co. (Burial) .....A  
**OHIO—Zanesville**  
 Muskingham Coffin Co. (Burial) .....A  
**OREGON—Eugene**  
 Williamette Valley Woolen Mfg. Co. (Woolen) ....C  
**OREGON—Oregon City**  
 Oregon City Mfg. Co. (Carriages) .....A  
**PA.—Philadelphia**  
 Ayres & Sons, Wm. (Lap) .....AA  
 Brownstein, Segall & Co. (Night) .....D  
 Hanifer & Co., J. E. (Elder-down) .....A  
 Kennedy, Willing & Co. (Lap) .....A  
 Lane's Sons, D. M. (Carriage) .....D  
 Leicester & Continental Mills Co. (Bath) .....A  
 Riley & Co., Wm. B. (Carriage; Lap) .....A  
 Sumner & Co., T. (Lap) ..D  
 Star & Crescent Mills Co. (Bath) .....A  
 Stern, David & Co. ....A  
 Tutelman Bros. & Faggen (Night) .....A  
**WIS.—Milwaukee**  
 Gem Hammond & Fly Net Co. (Fur) .....A  
 Hansen's Empire Fur Factory (Fur) .....A

**ROCKAWAYS**

See also Carriages & Wagons

**CONN.—New Haven**  
 Goodrich & Co., J. F. ...AA  
**ILL.—Chicago**  
 Kimball & Co., C. P. ....AA  
**IND.—South Bend**  
 Studebaker Bros. Mfg. Co. ....AAAA  
**IOWA—Dubuque**  
 Connolly, Tom .....A  
**MASS.—Amesbury**  
 Biddle & Smart Co. ....B  
 Feltsch & Co., E. S. ....C  
**MASS.—Boston**  
 French & Co., Ferd. F. (Ltd.) .....D  
**MASS.—Merrimac**  
 Pease & Son, S. O. ....C  
**N. J.—Newark**  
 Quimby & Co., J. ....A  
**N. Y.—Albany**  
 Gould Co., James .....B  
 New York City  
 Brewster & Co., J. B. ..B  
 Stivers, Rufus M. ....B  
**N. Y.—Troy**  
 Troy Carriage Wrks. ....B  
**N. Y.—Watertown**  
 Babcock Co., H. H. ...AA

**ROCKAWAYS (Con.)**  
**OHIO**—Columbus  
 Buckeye Buggy Co. ....AAA

## ROCKERS

See Furniture

## RODS

See also Fish Tackle; Iron & Steel

**ALA.**—Ensley  
 Alabama Steel & Wire Co.  
 (Wire) .....AAAA

**CAL.**—San Francisco  
 Paynes Bolt Wrks., 121  
 Howard (Bridge; Roof) A

**COLO.**—Denver  
 Colorado Fuel & Iron Co.  
 (Wire) .....D

**CONN.**—Ansonia  
 Ansonia Brass & Copper Co.  
 (Brass; Copper; Stair) AAAA

**CONN.**—Berlin  
 Berlin Construction Co.  
 (Tie) .....A

**CONN.**—Bridgeport  
 Amer. Tube & Stamping Co.  
 (Lightning) .....AAAA  
 Bridgeport Brass Co. (Brass;  
 Copper; Bronze; German  
 Silver) .....AAA

**CONN.**—Bristol  
 Bristol Brass Co. (Brass;  
 German Silver) .....AAA  
 Horton Mfg. Co. (Fishing;  
 Steel Fishing) .....B

**CONN.**—Clinton  
 Kelsey, Horatio (Gun) ..E  
**CONN.**—Collinsville  
 Hartegan, W. B. (Gun; Ri-  
 fle Cleaning) .....H

**CONN.**—Hartford  
 Pratt & Whitney Co. (Meas-  
 uring) .....AAAA

**CONN.**—Meriden  
 Parker Co., Chas. (Saw) AAA

**CONN.**—Milldale  
 Clark Bros Bolt Co. (ron) .A

**CONN.**—Mt. Carmel  
 Mt. Carmel Bolt Co. (Stove) B

**CONN.**—New Britain  
 Corbin, P. & F. (Stove) AAAA

Stanley Rule & Level Co.  
 (Gauging) .....AAA

**CONN.**—New Haven  
 Dann Bros. & Co. (Dowel,  
 Carpet) .....B

English & Mersick Co. (Car-  
 pet) .....B

Goodrich & Co., J. F. (Wagon  
 Box) .....AA

National Steel & Wire Co.  
 (Bessemer Coppered;  
 Brace; Bracket Pump;  
 Saw Wire) .....AAAA

National Wire Corp. (Bes-  
 semer Coppered Machine  
 Screw; Curtain; Gun  
 Screw; Nail; Rivet;  
 Screw; Wire) .....AA

**CONN.**—Norwich  
 Norwich Nickel & Brass Co.  
 (Nickel; Plated Window) B

**CONN.**—Pine Meadow  
 Chapin-Stephens Co. (Gaug-  
 ing) .....A

**CONN.**—Seymour  
 Seymour Mfg. Co. (German  
 Silver) .....AAA

**CONN.**—Torrington  
 Coe Brass Mfg. Co. (Brass;  
 Copper) .....AAAA

Turner & Seymour Mfg. Co.  
 (Banner) .....A

**CONN.**—Unionville  
 Upson Nut Co. (Stove;  
 Gauging) .....AAAA

**CONN.**—Waterbury  
 American Pin Co. (Banner) AA

Benedict & Burnham Mfg.  
 Co. (Brass; Copper) AAAA

Chase Rolling Mill Co.  
 (Brass; Copper) .....AAAA  
 Holmes Booth & Hayden

**RODS (Con.)**  
 Co. (Brass; Copper; Ger-  
 man Silver) .....AAAA  
 Plume & Alwood Mfg. Co.  
 (Brass; Copper; German  
 Silver; Bronze) .....AAA  
 Randolph-Clowes Co. (Brass;  
 Copper) .....AAA  
 Scovell Mfg. Co. (Alumini-  
 num; German Silver;  
 Brass) .....AAAA  
 Waterbury Brass Co. (Brass;  
 Copper; German Silver;  
 Bronze) .....AAAA

**DEL.**—Elamers  
 Diamond State Fibre Co.  
 (Hard Fibre) .....B

**DEL.**—Wilmington  
 Amer. Vulcanized Fibre Co.  
 (Hard Fibre) .....AAAA

Delaware Electric & Supply  
 Co. (Lightning) .....B

Delaware Hard Fibre Co.  
 (Hard Fibre) .....A

Diamond State Steel Co.  
 (Bridge; Roof; Tie; Up-  
 set) .....X

**ILL.**—Batavia  
 U. S. Wind Engine & Pump  
 Co. (Pump; Sucker) AA

**ILL.**—Chicago  
 American Steel & Wire Co.,  
 The Rookery (Awning;  
 Bessemer Coppered;  
 Brace; Brass; Copper;  
 Drill; Eye; Pump; Rake;  
 Roller Bearing Screw;  
 Polished Steel Stove  
 Wire) .....AAAA

Continental Bolt & Iron  
 Wrks., 22d & Union  
 (Dock; Upset) .....A

Grand Crossing Tack Co.  
 So. Chicago & 19th  
 (Bessemer; Open Hearth  
 Wire) .....AAA

Illinois Steel Co., The Rook-  
 ery (Wire) .....AAAA

Klein & Son, Mathias, 87  
 W. Van Buren (Anchor;  
 for Guy Wires) .....B

Kropp & Co., A., 52 Law  
 Av. (Bridge; Roof; Dock) E

McGuire, Cummings Mfg. Co.  
 (Brake) .....AA

Morden, Frog & Crossing  
 Wrks. (Connecting) ..A

Morgan & Wright, 338 W.  
 Lake (Rubber) .....AA

O'Leary & Son Co., Arthur  
 J., 103 Lake (Upset) ..B

Republic Iron & Steel Co.,  
 Stock Exchange Bldg.  
 (Anchor; Bridge; Roof;  
 Eye; Tie) .....AAAA

Sturm Co., Adolph, 51 W.  
 Wash. (Dowel) .....D

Union Drop Forge Co., 66  
 E. Ohio (Connecting) ..A

**ILL.**—Decatur  
 Farries Mfg. Co. (Gun Clean-  
 ing) .....A

**ILL.**—Galesburg  
 Smith, J. W. (Lightning) D

**ILL.**—Peoria  
 Struthers, R. F. (Lightning) F

**ILL.**—Sterling  
 Dillon-Griswold Wire Co.  
 (Copper; Steel; Iron  
 Wire) .....X

**IND.**—Greencastle  
 Cole Bros. Lightning Rod  
 Co. (Lightning) .....A

**IND.**—Indianapolis  
 Atkins & Co., E. C. (Saw) AAAA

**IND.**—South Bend  
 Bowsher Co., N. P. (Ban-  
 ner) .....B

Kuntz, Jacob E. (Dowel) E

**IOWA**—Burlington  
 Kriechbaum, Geo. (Light-  
 ning) .....E

**IOWA**—Cedar Falls  
 Harris & Cole Bros. (Poplar;  
 Oak; Yellow Pine) ..AA

**OHIO**—Des Moines  
 Dodd & Struthers (Light-  
 ning) .....A

**RODS (Con.)**  
**OHIO**—Dubuque  
 Adams Co. (Stove) .....A  
**KANS.**—Wichita  
 Wichita Mfg. Co. (Bridge;  
 Roof) .....O  
**KY.**—Ashland  
 Ashland Steel Co. (Wire)  
 AAA  
**MAINE**—Bangor  
 Gerrish, Evan H. (Fishing;  
 Split Bamboo Fishing) G  
**MAINE**—Greenville  
 Greenville Mfg. & Veneer  
 Co. (Dowel) .....O  
**MAINE**—Kennebunk  
 Leatheroid Mfg. Co. (Hard  
 Fibre) .....A  
 National Fibre Board Co.  
 (Horn Fibre) .....A  
**MAINE**—Lewiston  
 Keyes & Co., O. P. (Light-  
 ning) .....X  
**MD.**—Baltimore  
 Baltimore Lightning Rod  
 Works (J. A. Ruth,  
 Prop.) 841 S. Woodyear  
 (Lightning) .....G  
 Dietrich Bros., 344 North  
 (Bridge; Roof) .....B  
 National Supply Co., 7 W.  
 Lombard (Bridge; Roof;  
 Connecting; Eye; Stove;  
 Tie) .....B  
**MASS.**—Boston  
 Boston Bolt Co. (Bridge;  
 Roof) .....C  
 Boston Lightning Rod Co.,  
 28 Beach (Lightning) G  
 Broad Gauge Iron Stall  
 Works, 53 Elm (Light-  
 ning) .....D  
 Brown-Wales Co. (Machine  
 Screw) .....A  
 Dame, Stoddard & Co.  
 (Fishing) .....A  
 Jones & Co., B. M., 81  
 Milk (Iron Piston) AA  
 New England Bolt & Nut  
 Co., 253 Atlantic Av.  
 (Bridge; Roof) .....B  
 Snow & Co., W. A., 19  
 Portland (Lightning) C  
 Preble, Edward, 103 Sum-  
 mer, E. B. (Bridge;  
 Roof) .....F  
 Boston Forge Co., 340 Mav-  
 erick, E. B. (Connecting;  
 Steel Piston) .....A  
**MASS.**—Canton  
 Kinsley Iron & Mach. Co.  
 (Bridge; Roof) AA  
**MASS.**—Chicopee Falls  
 Stevens Arms & Tool Co., J.  
 (Gun & Rifle Cleaning) AAA  
**MASS.**—Fall River  
 Berry & Johnston, 209 Bed-  
 ford (Lease) .....E  
**MASS.**—Fitchburg  
 Simonds Mfg. Co. (Saw)  
 AAA  
**MASS.**—Greenfield  
 Warner Mfg. Co. (Baby  
 Carriage) .....C  
**MASS.**—Lowell  
 Woods, Sherwood Co. (Ban-  
 ner) .....E  
**MASS.**—Montague City  
 Montague City Rod Co.  
 (Fishing) .....A  
**MASS.**—New Bedford  
 Taunton-New Bedford Cop-  
 per Co. (Copper; Yellow  
 Metal; Piston Pump) AAA  
**MASS.**—Springfield  
 Hawkins Iron Works, R. F.  
 (Bolt Bridge) .....E  
**MASS.**—Worcester  
 Morgan Spring Co. (Wire)  
 A  
 Parker Wire Goods Co.  
 (Curtain) .....D  
 Reed & Prince Mfg. Co.  
 (Stove) .....B  
 Smith & Co., Thos. (An-  
 chor; Bridge; Roof) C  
 Spencer Wire Co. (Curtain)  
 A  
 Wire Goods Co. (Curtain) A

**RODS (Con.)**  
 Wright Wire Co. (Curtain)  
 AA  
**MICH.**—Detroit  
 Anderson & Sons, W. H.  
 (Eye) .....O  
 Detroit Copper & Brass  
 Rolling Mills (Brass;  
 Copper) .....AAAA  
 Michigan Bolt & Nut Wks.,  
 ft. Meldrum Av. (An-  
 chor; Bridge; Roof; Eye;  
 Stove; Tie; Upset) AA  
**MO.**—Kansas City  
 Kansas City Bolt & Nut Co.  
 (Anchor; Bridge; Roof;  
 Eye; Tie; Threaded) AA  
**MO.**—St. Louis  
 Bajohr Lightning Rod Wks.,  
 Carl, 4051 Keokuk (Light-  
 ning) .....D  
 Cole Bros. Lightning Rod  
 Co. (Inc.) (Lightning) A  
 Helmbacker Forge & Roll-  
 ing Mill Co., Wainwright  
 Bldg. (Piston; Side) AA  
 Ludlow-Saylor Wire Co.  
 (Curtain) .....AA  
 Moran Bolt & Nut Mfg. Co.  
 (Anchor; Bridge; Roof;  
 Eye; Stove; Tie) A  
 St. Louis Lightning Rod  
 Co., 1901 S. 3d (Light-  
 ning) .....B  
 St. Louis Wire & Iron Co.  
 (Wire) .....B  
**N. J.**—Boonton  
 Lincoln Iron Works (Tie;  
 Truss) .....B  
**N. J.**—Jersey City  
 Dixon Crucible Co., Joseph  
 (Resistance; Electric) AAA  
**N. J.**—Newark  
 Duranoid Mfg. Co. (Hard  
 Fibre) .....B  
 Lyon & Son, C. R., 213  
 N. 13th (Lightning) H  
 Meisselbach & Bros., Aug.  
 F. (Fishing; Bamboo &  
 Split Bamboo Fishing) B  
 National Saw Co. (Mitre  
 Saw) .....B  
 Walker Mfg. Co., D. (Stair  
 Carpet) .....E  
**N. J.**—Paterson  
 Demowolf, Jr., Charles  
 (Glass) .....X  
**N. J.**—Smithville  
 Smith Machine Co., H. P.  
 (Sash) .....A  
**N. J.**—Trenton  
 Roebling's Sons Co., Ino.  
 A. (Wire) .....AAAA  
 Trenton Iron Co. (Wire;  
 Nail) .....A  
**N. Y.**—Albany  
 Troy Nickel Wks. (Stove)  
 C  
**N. Y.**—Brooklyn  
 Brass Goods Mfg. Co.  
 (Stair) .....B  
**N. Y.**—Buffalo  
 Pratt & Letchworth Co.  
 (Connecting) .....AAA  
**N. Y.**—Cortlandt  
 Wickwire Bros. (Wire)  
 AAAA  
**N. Y.**—Herkimer  
 Quackenbush, H. M. (Stair)  
 A  
**New York City**  
 Abbey & Imbrie (Fishing)  
 A  
 Barron & Co., Jas. S., 290  
 R'war (Duct; Conduit  
 Wiring) .....A  
 Bishop Gutta Percha Co.  
 (Gutta Percha) .....B  
 Columbia Shade Cloth Co.  
 (Shade) .....B  
 Dorendorf, Dederick, 44  
 Centre (Lightning) H  
 Estes & Sons, E. B., 45  
 John (Dowel) .....AA  
 Gould-Mersereau Co. (Car-  
 net; Banner Nickel) B  
 Gould's Son & Co., M., 88  
 Peede (Brass & Bronze  
 Stair; Banner) A  
 Hall's Sons, Samuel, 229  
 W 10th (Tie) .....A  
 Hendricks Bros., 49 Cliff

**RODS (Con.)**  
 (Copper) .....AAAA  
 Howard & Morse, 45 Fulton  
 (Lightning) .....D  
 Hungerford Brass & Copper  
 Co., U. T., 497 Pearl  
 (Brass; Copper; Light-  
 ning; Stair) .....AA  
 Johnson, Charles, 52 John  
 (Lightning) .....F  
 Jones, T. W., 18 Fletcher  
 (Lightning) .....E  
 Judd & Co., H. L. (Brass;  
 Nickel; Brass Picture;  
 Plated Window; Stair)  
 AA  
 Keupfel & Esser Co., 127  
 Fulton (Measuring; Level-  
 ing) .....AA  
 Kroder, John, & Henry Reu-  
 bel Co. (Stair) .....B  
 Lamb, J. & R. (Banner) ..D  
 Manhattan Brass Co., 388  
 E. 28th (Brass; Copper;  
 Lightning) .....A  
 Mitchell-Bissell Co., 38 Mur-  
 ray (Glass, for Looms)  
 X  
 Ogilvy, Ribert (Fishing).D  
 Patriarche & Bell, 215 Pearl  
 (Coppered Steel) .....A  
 Peck, Stow & Wilcox Co.,  
 27 Murray (Saw) .AAAA  
 Pierce Well Engine & Sup-  
 ply Co. (Sucker) .....D  
 Plath & Son, Chas. (Fish-  
 ing) .....F  
 Plume & Atwood Mfg. Co.,  
 29 Murray (Brass Wire;  
 German Silver) ....AAA  
 Pope Mfg. Co., 21 Park  
 Row (Baby Carriage)  
 AAAA  
 Remington Arms Co. (Gun)  
 R  
 Sargeant & Co., 151 Leonard  
 (Saw) .....AAAA  
 Soltmann, E. G., 125 E.  
 42d (Measuring) .....B  
 Spalding & Bros., A. G.  
 (Inc.) (Fishing; Bamboo)  
 AAAA  
 Waclark Wire Co. (Copper)  
 A  
 Wardlow & Co., S., 95 John  
 (Wire) .....A  
 Washburne & Co., Edw. G.,  
 46 Cortlandt (Copper;  
 Lightning) .....E  
 Wemple Co., James C.  
 (Shade) .....AA  
 Westervelt, A. B. & W. T.,  
 102 Chambers (Lightning)  
 B  
**N. Y.—Portchester**  
 Russel, Burdall & Ward  
 Bolt & Nut Co. (Stove)  
 AAAA  
**N. Y.—Rome**  
 Rome Brass & Copper Co.  
 (Brass; Copper) .AAAA  
**N. Y.—Utica**  
 Clark-Horrocks Co. (Fish-  
 ing) .....A  
**N. C.—Greensboro**  
 Southern Bobbin Co. (Dow-  
 el; Enameled Case) ....D  
**OHIO—Akron**  
 Kile Mfg. Co. (Sucker, for  
 Wells) .....C  
**OHIO—Alliance**  
 Transue & Williams Co.  
 (Drop Forged Connecting)  
 A  
**OHIO—Carthage**  
 Bloch-Pollak Iron Co. (Con-  
 necting) .....AAA  
**OHIO—Cincinnati**  
 Bishop & Co., Geo. H.  
 (Saw) .....A  
 Foy & Co., Edw. A., 640  
 Main (Lightning) .....C  
**OHIO—Cleveland**  
 Atlas Bolt & Screw Co.  
 (Stove) .....AA  
 Bacon & Co., 309 Prospect  
 (Lightning) .....X  
 Cleveland Hardware Co.  
 (Wagon Box) .....AA  
 Cleveland Wire Spring Co.  
 (Machine Screw; Gun  
 Screw) .....A  
 Fanner Mfg. Co. (Stove).A

**RODS (Con.)**  
 Forest City Steel & Iron  
 Co. (Awning) .....A  
 Kirk-Latty Mfg. Co. (Stove)  
 A  
 Lake Erie Iron Co., 155  
 St. Clair (Bridge; Roof)  
 AAA  
 Lamson & Sessions Co.  
 (Stove) .....AA  
 National Carbon Co. (Car-  
 bon) .....AAAA  
 National Screw & Tack Co.  
 (Stove) .....AA  
 Otis Steel Co., Lake, cor.  
 Lawrence (Connecting).A  
 Union Rolling Mill Co.  
 (Nut) .....AA  
 Vulcania Forging Co. (Con-  
 necting; Upset) .....B  
**OHIO—Columbus**  
 Berry Bros. (Stove; Seat)  
 A  
 Columbus Bolt Works  
 (Bridge; Roof) .....AA  
**OHIO—Elyria**  
 Topliff & Ely Co. (Connect-  
 ing) .....B  
**OHIO—Findlay**  
 Findlay Sucker Rod Co.  
 (Sucker) .....D  
**OHIO—Kenton**  
 Champion Iron Co. (Beam  
 Tie) .....AA  
**OHIO—Lima**  
 Coss & Stinebough (Sucker)  
 E  
**OHIO—Toledo**  
 Bissell Co., F. (Duct; Con-  
 duit Wiring) .....A  
 Nagel Electric Co., W. G.  
 Duct; Conduit Wiring).B  
**OHIO—Youngstown**  
 Finished Steel Co. (Polished  
 Steel Piston; Polished  
 Steel Pump; Screw)....A  
**PA.—Aliquippa**  
 Vulcan Crucible Steel Co.  
 (Wire) .....B  
**PA.—Allegheny**  
 Graham Nut Co., 755 Re-  
 becca (Anchor; Bridge;  
 Roof; Connecting) .....B  
**PA.—Beaver Falls**  
 Standard Connecting Rod  
 Co. (Connecting) .....D  
 Standard Gauge Steel Co.  
 (Piston Pump) .....A  
 Union Drawn Steel Co. (Pis-  
 ton; Pump) .....A  
**PA.—Bradford**  
 Dresser, S. R. (Sucker).AA  
**PA.—Braeburn**  
 Braeburn Steel Co. (Steel  
 Piston) .....A  
**PA.—Burnham**  
 Logan Iron & Steel Co.  
 (Drill) .....AA  
**PA.—Eddystone**  
 Tindel-Morris Co. (Connect-  
 ing) .....AA  
**PA.—Harrisburg**  
 Hickok Mfg. Co., W. O.  
 (Machinery Joint) ....AA  
**PA.—Johnstown**  
 Cambria Steel Co. (Connect-  
 ing Piston) .....AAAA  
**PA.—Lancaster**  
 Penna. Iron Wks. (Tie)..A  
**PA.—Lebanon**  
 American Iron & Steel Mfg.  
 Co. (Anchor; Bracket;  
 Brake Lever Connecting;  
 Bridge; Roof; Eye; Tie;  
 Upset) .....AAAA  
**PA.—McKees Rocks**  
 Kidd Bros. & Burgher Steel  
 Wire Co. (Polished Drill;  
 Roller Bearing; Polished  
 Steel Wire; Black Steel;  
 Dental Octagon; Screw  
 Drivers, Steel; Steel  
 Drill; Tap; Reamer) ..B  
 Lockhart Iron & Steel Co.  
 (Piston) .....AA  
**PA.—Milesburg**  
 McCoy-Linn Iron Co. (Wire,  
 from Charcoal Iron)...D  
**PA.—Monaca**  
 Pittsburg Tool Steel Wire  
 Co. (Drill; Dental Octa-  
 gon; Roller Bearing;  
 Steel Drill; Tap; Ream-

**RODS (Con.)**

er) .....C  
**PA.—Monessen**  
 Page Woven Wire Fence Co.  
 (Wire) .....A  
**PA.—New Castle**  
 New Castle Forge & Bolt  
 Co. (Anchor; Bridge;  
 Roof; Eye; Upset) ...AA  
**PA.—Norristown**  
 Reading Screw Co. (Screw)  
 A  
**PA.—Philadelphia**  
 Brill Co., J. G. (Brake)  
 AAAAA  
 Chester Steel Castings Co.  
 (Connecting) .....AA  
 Damascus Nickel Steel Co.,  
 Bullitt Bldg. (Drills)...D  
 De Witt Wire Cloth Co.,  
 703 Market (Lightning)  
 A  
 Disston & Sons (Inc.), Hy.  
 (Wood Saw) .....AAAA  
 Duncannon Iron Co. (Spike)  
 AA  
 Ivins, Elwood (Steel Um-  
 brella) .....F  
 Goodwin, Fredk. O., 53d &  
 Wyalusing (Lightning).D  
 Hoopes & Townsend Co.,  
 1830 Buttonwood (Bridge;  
 Roof; Upset) .....AAAA  
 Jackson & Cook, 818 Mar-  
 ket (Lightning) .....B  
 Merchant & Co., 517 Arch  
 (Brass; Copper) .....AA  
 Midvale Steel Co., Nicetown  
 (Connecting Piston)  
 AAAAA  
 Phoenix Bridge Co. (Bridge)  
 A  
 Phosphor Bronze Smelting  
 Co. (Ltd.) 2204 Washn.  
 Av. (Phosphor Bronze Pis-  
 ton; Pump) .....A  
 Reeves & Son, Paul S., 1415  
 Catharine (Phosphor &  
 Manganese Bronze) ....B  
 Reyburn, Hunter & Co., 488  
 N. American (Lightning)  
 AAAAA  
 Rowland, Wm. & Harvey  
 (Inc.) (Nail) .....B  
 Shipley, Malcolm A. (Fish-  
 ing) .....D  
 Standard Steel Works, Har-  
 rison Bldg. (Piston; Side)  
 AAAAA  
 Stubbs Steel Co., 17 N. 5th  
 (Drill) .....E  
**PA.—Pittsburg**  
 Carbon Steel Co. (Piston;  
 Side) .....A  
 Carnegie Steel Co. (Ltd.)  
 (Connecting Piston)  
 AAAAA  
 Columbia Bridge Co., Park  
 Bldg. (Piston; Pump;  
 Key; Screw; Wire) ...AA  
 Crucible Steel Co. of Amer-  
 ica, Frick Bldg. (Connect-  
 ing Drill; Piston)...AAAA  
 Fort Pitt Forge Co., 28th &  
 Liberty (Iron; Steel; Up-  
 set; Tie) .....B  
 Hum & Leatherman, 320 3d  
 Av. (Lightning) .....B  
 Hussey & Co., C. G. (Brass;  
 Copper) .....AAA  
 Jones & Laughlin Steel Co.  
 (Connecting; Piston)  
 AAAAA  
 Lans & Sons, Mathew, 101  
 S. 29th (Anchor; Bridge;  
 Guy; Tie) .....AA  
 Morris & Bailey Steel Co.  
 (Connecting) .....A  
 Oil Well Supply Co. (Suck-  
 er) .....AAAA  
 Oliver Iron & Steel Co.  
 (Anchor; Bridge; Roof;  
 Connecting; Eye; Tie; Up-  
 set) .....AAAA  
 Pittsburg Forge & Iron Co.  
 (Bridge; Roof) .....A  
 Pittsburg Mfg. Co., 28th  
 & R. R. (Connecting)...A  
 Pittsburg Reduction Co.,  
 Park Bldg. (Aluminum)  
 AAAAA  
 Pittsburg Screw & Bolt Co.  
 (Upset) .....A

**RODS (Con.)**

Pittsburg Steel Co., Peoples  
 Sav. Bank Bldg. (Wire)  
 AAAAA  
 Scaife & Sons' Co., Wm. B.,  
 221 1st Av. (Bridge;  
 Roof) .....AAA  
**PA.—Reading**  
 Reading Iron Co. (Connect-  
 ing Piston) .....AAAA  
**PA.—Scranton**  
 Scranton Bolt & Nut Co.  
 (Anchor; Bridge; Roof;  
 Eye; Tie) .....AA  
**PA.—Sharpsburg**  
 Globe Wire Co. (Polished  
 Drill) .....A  
**PA.—South Bethlehem**  
 Bethlehem Steel Co. (Con-  
 necting; Piston; Steel  
 Hammer) .....AAAA  
**PA.—Titusville**  
 Titusville Forge Co. (Con-  
 necting Piston) .....A  
**PA.—Washington**  
 Chapman Sucker Rod Co.  
 (Sucker) .....B  
**R. I.—Pawtucket**  
 Pawtucket Mfg. Co. (An-  
 chor; Bridge; Roof; Tie)  
 A  
**R. I.—Phillipsdale**  
 Washburn Wire Co. (Drill;  
 Rake; Roller Bearing;  
 Stove; Wire) .....AAAA  
**R. I.—Providence**  
 American Enamel Co.  
 (Enameled Lease) ....B  
 American Screw Co. (Stove)  
 AAAAA  
 Brown & Sharpe Mfg. Co.  
 (Measuring) .....AAAA  
**TENN.—Greenville**  
 Doughty, J. H. (Lightning)  
 AA  
**VT.—Bennington**  
 Scott, Olin (Measuring)...A  
**VT.—Post Mills**  
 Chubb Rod Co., T. H.  
 (Bamboo & Split Bamboo  
 Fishing) .....A  
**VA.—Richmond**  
 Old Dominion Iron & Nail  
 Works (Bridge; Roof;  
 Tie; Upset; Bolt; Nut)  
 AA  
**WIS.—Kenosha**  
 Chicago Brass Co. (Brass)  
 AA  
**WIS.—Racine**  
 Racine Malleable &  
 Wrought Iron Co. (Wa-  
 gon Box) .....A

**ROLL**

See also Roofing

**LA.—New Orleans**  
 New Orleans Roofing &  
 Metal Works (Ridge) ...A

**ROLLERS**

See also Agr. Imps; Machy;  
 Rolls

**CAL.—San Francisco**  
 Shattuck Co., E. J. (Print-  
 ers') .....B  
**CONN.—Bridgeport**  
 Bridgeport Brass Co. (Cop-  
 per) .....AAA  
 Smith & Egge Mfg. Co.  
 (Skate) .....A  
 Spring Perch Co. (Carriage  
 Curtain) .....B  
**CONN.—Bristol**  
 Sessions & Son, J. H.  
 (Trunk) .....AA  
**CONN.—Guilford**  
 Spencer Sons, J. S. (Sliding  
 Door) .....A  
**CONN.—Higginum**  
 Cuttaway Harrow Company  
 (Land; Lawn) .....X  
**CONN.—Meriden**  
 Meriden Curtain Fixture  
 Co. (Blind; Shade;  
 Spring) .....B  
**CONN.—New Haven**  
 Hoggson & Pettis Mfg. Co.  
 (Hand; Stitchers) .....A  
 Mallory, Wheeler Co. (Barn

**ROLLERS (Con.)**  
 Door) .....AA  
**OONN.—Norwalk**  
 Arnold Co. (Barn Door)...C  
**OONN.—Pine Meadow**  
 Chapins, Stephens Co. (Skate) .....A  
**OONN.—Southington**  
 Peck, Stow & Wilcox Co. (Trunk; Door; Sash; Towel) .....AAAA  
**ILL.—Aurora**  
 Richards Mfg. Co. (Stay)...B  
 Wilcox Mfg. Co. (Stay)...B  
**ILL.—Bradley**  
 Bradley Mfg. Co., David (Lawn; Garden; Field; Land) .....AAA  
**ILL.—Chicago**  
 Austin Mfg. Co., Manhat-  
 tan Bldg. (Road Horse  
 Power; Road Steam)...AAA  
 Chicago Spring Butt Co.  
 (Stay) .....B  
 Contractors' Supply &  
 Equipment Co., 232 5th  
 Av. (Road Horse Power;  
 Steam Road) .....B  
 Evans & Co., B. O., 210  
 Madison (Chart) .....A  
 National Drill & Mfg. Co.,  
 Pullman Bldg. (Riverside  
 Road) .....B  
 Opaque Shade Cloth Co.  
 (Shade) .....AA  
**ILL.—Chicago**  
 Shaw, Willis, N. Y. Life  
 Bldg. (Steam Road)...E  
 Vulcan Iron Works, 59 Mil-  
 waukee Av. (Steam Road)  
 AA  
**ILL.—Decatur**  
 Tait Mfg. Co., F. B.  
 (Land) .....A  
**ILL.—Rock Island**  
 Rock Island Plow Co.  
 (Land) .....AAAA  
**ILL.—Sterling**  
 Lawrence Bros. (Stay)...AAA  
 Nat. Mfg. Co. (Stay)...C  
**IND.—Elkhart**  
 Foster Novelty Co., C. A.  
 (Lawn; Garden) .....F  
**IND.—Fort Wayne**  
 Indiana Road Machine Co.  
 (Road; Horse Power;  
 Road Steam) .....A  
**IND.—Indianapolis**  
 Over Ewald (Clod; Field)  
 C  
 Tucker & Dorsey Mfg. Co.  
 (Towel) .....A  
**IOWA.—Fairfield**  
 Loudon Machy. Co. (Stay)  
 C  
**IOWA.—Ottumua**  
 Johnston & Sharp Mfg. Co.  
 (Ball Bearing) .....D  
**MD.—Baltimore**  
 Adt, John B. (Tobacco  
 Steam) .....A  
 Sinclair Scott Co. (Clod)...E  
**MASS.—Boston**  
 Ames Plow Co. (Lawn;  
 Garden; Road; Horse  
 Power; Clod; Field)...  
 AAAA  
 Osgood Co., J. H. (Print-  
 ers') .....X  
 Wild & Stevens (Printers)  
 B  
**MASS.—Norwood**  
 Winslow Bros. & Smith Co.  
 (Tanners' Calf) .....AA  
**MASS.—Worcester**  
 Wire Goods Co. (Towel)...A  
**MICH.—Bay City**  
 Garland Co., M. (Log)...C  
 Michigan Box Co. (Shade)  
 AA  
**MICH.—Bellaire**  
 Richardl & Bechtold  
 (Cake) .....B  
**MICH.—Detroit**  
 Am. Harrow Co. (Road;  
 Horse Power) .....AA  
 Ranney, Wm. H. (Printers')  
 H  
**MICH.—Lansing**  
 Lansing Wheelbarrow Co.  
 (Lawn; Garden; Field;  
 Land) .....AAA

**ROLLERS (Con.)**  
**MICH.—Monroe**  
 Wilder-Strong Implement  
 Co. (Lawn; Garden; Clod;  
 Land) .....B  
**MICH.—Port Huron**  
 Port Huron Engine &  
 Thresher Co. (Steam  
 Power; Road) .....AAA  
**MICH.—Saginaw**  
 Morley Bros. (Door) ...AA  
**MO.—St. Louis**  
 Union Iron & Foundry Co.,  
 1460 52d (Lawn; Garden)  
 A  
 Whitman Agricultural Co.  
 (Lawn; Garden) .....AA  
**N. J.—Newark**  
 Hartshorn Stewart Co.  
 (Shade; Blind; Spring)...  
 AAA  
**N. Y.—Auburn**  
 New Birdsall Co. (Steam  
 Road for Country Road)  
 AA  
 Osborne & Co., D. M.  
 (Clod) .....AAAA  
**N. Y.—Brooklyn**  
 Pioneer Iron Works, 153  
 Williams (Road; Horse  
 Power; Steam Road)...A  
 Wesel Mfg. Co., F.  
 (Printers') .....X  
**N. Y.—Buffalo**  
 Buffalo-Pitts Co. (Steam;  
 Asphalt; Road; Horse  
 Power; Steam Road)  
 Land) .....AAAA  
 Contracting Plant Mfg. Co.  
 (Guide) .....B  
 Iroquois Iron Works  
 (Steam Road) .....A  
**N. Y.—Canastota**  
 Pattern & Stafford Co.  
 (Land) .....B  
**N. Y.—Corning**  
 Allen Fdry. Co., E. R.  
 (Lawn; Garden; Land)...E  
**N. Y.—Frankfort**  
 Acme Road Machy. Co.  
 (Road; Horse Power;  
 Steam Road; Land)...B  
**N. Y.—Gowanda**  
 Gowanda Agricultural Wks.  
 Co. (Lawn; Garden)...X  
**N. Y.—Ithaca**  
 Williams Bros. (Field)...AA  
**N. Y.—Manlius**  
 Cheney & Son, S. (Door)...A  
**N. Y.—Marathon**  
 Climax Road Machine Co.  
 (Reversible Road; Road;  
 Horse Power; Steam  
 Road) .....B  
**N. Y.—Minetto**  
 Minetto Shade Cloth Co.  
 (Shade; Spring)...AAA  
**N. Y.—Mt. Morris**  
 Genesee Valley Mfg. Co.  
 (Land) .....B  
**N. Y.—Munnsville**  
 Munnsville Plow Co.  
 (Field) .....B  
**New York City**  
 Amer. Road Roller Co., 156  
 5th Av. (Steam Road)...B  
 Columbia Shade Cloth Co.  
 (Spring) .....B  
 Haviland Shade Roller Co.,  
 307 W. B'way (Shade)...B  
 Judd & Co., H. L. (Shade)  
 AA  
 Mace & Co., L. H. (Towel)  
 B  
 Mott Iron Wks., J. L., 88  
 Beekman (Lawn; Garden)  
 AA  
 Reilly Bros. (Paper Hang-  
 ers') .....D  
 Russell & Erwin Mfg. Co.  
 (Sliding Door; Sash)...  
 AAAA  
 Sargent & Co., 151 Leonard  
 (Door; Sash; Stay) AAAA  
 Scholl & Co., Julian, 126  
 Liberty (Road; Horse  
 Power; Steam Road)...C  
 Sheridan Co., T. W. & C.  
 R. (Paper Hangers')...A  
 Tiebout, W. & J., 118  
 Chambers (Sash) .....B  
 Wemph Co., Jay C. (Lawn-

**ROLLERS (Con.)**  
 ing; Window; Shade; Spring) .....AA  
 Westervelt, A. B. & W. T., 102 Chambers (Lawn; Garden) .....B  
**N. Y.—Poughkeepsie**  
 Lane Bros. & Co. (Sliding Door) .....A  
**N. Y.—Rochester**  
 Knowlton Co., M. B. (Mailing Tube) .....AA  
**N. Y.—Syracuse**  
 Edwards Co., O. M. (Car Window, etc., Shade) ...D  
 Stearns & Co., E. C. (Sliding Door) .....AA  
**N. Y.—Utica**  
 Palmer, C. F. (Lawn; Garden) .....C  
 Utica Drop Forge & Tool Co. (Glass) .....B  
**OHIO—Berea**  
 Dunham & Son, J. W. (Lawn; Garden) .....B  
**OHIO—Canton**  
 Aultman Co. (Road; Horse Power) .....AAAA  
 Anchor & Gibbs Plow Co. (Land) .....AA  
 Ney Mfg. Co. (Road; Stay) B  
**OHIO—Cincinnati**  
 Van Bibber Roller Co. (Printers') .....D  
**OHIO—Cleveland**  
 Chandler & Price Co. (Printers' Proof) .....A  
 Van Dorn Iron Works Co. (Lawn; Garden) .....AA  
**OHIO—Columbiana**  
 Enterprise Mfg. Co. (Road; Horse Power; Road Steam) .....A  
**OHIO—Fremont**  
 Lehr Agricultural Co. (Land) .....B  
**OHIO—Hamilton**  
 Deucher Co., H. P. (Clod) .....A  
**OHIO—Massillon**  
 Russell & Co. (Steam Road) .....AAA  
**OHIO—Piqua**  
 Piqua Handle & Mfg. Co. (Skate) .....A  
**OHIO—Springfield**  
 Kelly Springfield Road Roller Co., O. S. (Steam Road; Asphalt; Steam) A  
 Webster & Perks Tool Co. (Paper Hangers' Seam).C  
**PA.—Allegheny**  
 Carlin's Sons, Thomas (Road; Horse Power)..A  
**PA.—Bauerman**  
 Bauerman, D. H. (Lawn; Garden) .....C  
**PA.—Elizabethtown**  
 Buch's Sons Co., A. (Field; Garden; Land; Road)..A  
**PA.—Erie**  
 Erie Machine Shops, (Steam Road) .....B  
**PA.—Harrisburg**  
 Harrisburg Fdry. & Machine Works (Steam Road)..AA  
**PA.—Kennett Square**  
 Am. Road Mach. Co. (Lawn; Garden; Road; Horse Power) .....AA  
 Good Roads Machy. Co. (Road; Horse Power)..D  
**PA.—Lebanon**  
 Hauck, A. B. (Towel) ..B  
**PA.—Mechanicsburg**  
 Comstock, Geo. S. (Land).C  
**PA.—Philadelphia**  
 Bendernagel & Co., (Printers') .....X  
 Short & Son, Jno. (Paper Hangers') .....E  
**PA.—Reading**  
 Reading Hardware Co. (Door; Sash) .....AAAA  
**PA.—South Bethlehem**  
 Bethlehem Fdry. & Machine Co. (Boyle) .....C  
**PA.—Tatamy**  
 Messinger Mfg. Co. (Lawn; Garden; Road; Steam; Land) .....B

**ROLLERS (Con.)**  
**PA.—Wilkesbarre**  
 Vulcan Iron Works (Guide; Incline Plane) .....AAAA  
**PA.—Wrightsville**  
 Wrightsville Hardware Co. (Barn Door; Sliding Door) B  
**PA.—York**  
 Farquhar Co., A. B. (Clod) .....AAA  
 Keystone Farm Mach. Co., Ltd. (Field; Land).....B  
**R. I.—Providence**  
 New England Butt Co. (Barn; Sliding Door).AA  
**VT.—Montpelier**  
 Lane Mfg. Co. (Log)....A  
**VA.—Norfolk**  
 Whitehurst Co., R. W. (Clod; Lawn; Garden; Field; Land; Road)....B  
**WIS.—Milwaukee**  
 Allis-Chalmers Co. (Log) AAAA  
 Filer & Stowell Co., Ltd. AAA  
**WIS.—Racine**  
 Johnston & Field Mfg. Co. (Lawn; Garden; Field; Land) .....F  
**WIS.—So. Milwaukee**  
 Stowell Mfg. & Foundry Co. (Door; Stay) .....A

## ROLLS

**COLO.—Denver**  
 Colorado Iron Wks. Co. (Crushing) .....AA  
 Davis Iron Works Co., F. M. (Crushing) .....AA  
 Denver Engineering Works Co., Blake & 30th (Crushing without Springs)...A  
 Mine & Smelter Supply Co., Blake & 17th (Crushing) AAAA  
 Stearns Roger Mfg. Co., 1718 Cal. (Crushing; Cornish) .....A  
**CONN.—Ansonia**  
 Farrell Foundry & Mach. Co. (Chilled Calender Crushing; Chilled; Sand; Paper; Flour Mill; Rubber Machy.).....AAAA  
**CONN.—Derby**  
 Birmingham Iron Foundry (Sand; Chilled Engraved) AA  
**CONN.—New Haven**  
 Kilborn & Bishop Co. (Forging) .....C  
**CONN.—Thompsonville**  
 Bushnell Press Co., G. H. (Crushing) .....A  
**CONN.—Waterbury**  
 Blake & Johnson (Hardened Steel; Chilled Iron; Jewelers) .....A  
 Manville Machine Co., E. J. (Jewelers') .....C  
 Waterbury Farrell Fdry. Machine Co. (Sand; Chilled; Steel; Jewelers' Bending; Straightening). AA  
**CONN.—Windsor Locks**  
 Clark & Co., Geo. (Rubber for Scouring) .....C  
**DEL.—Wilmington**  
 Betts Machy. Co. (Bending; Straightening) .....AA  
 Hilles & Jones Co. (Bending; Straightening Plate; Bending Hand; Belt Power) .....AAAA  
 Lobdell Car Wheel Co. (Chilled Calender Sand; Chilled Flour Mill; Ink Mill; Rubber Machy.)...AAAA  
 Poole Co., J. Morton (Chilled Calender Paper Mill; Grinding) .....AA  
 Pusey & Jones Co. (Chilled Calender) .....AAA  
**ILL.—Chicago**  
 Allis Chalmers Co. Home Ins. Bldg. (Crushing; Cornish) .....AAAA



**ROLLS (Con.)**  
 Chicago Rubber Brokerage Co. (Wringer) .....E  
 Davis & Nichols, 34 S. Clark (Painters' Grain- ing) .....X  
 Western Leather Mfg. Co. (Music) .....D  
**ILL.—Moline**  
 Williams. White & Co. (Bending; Straightening; Forging) .....AA  
**IND.—Aurora**  
 Stedman Fdry. & Mach. Works (Crushing; Coal Breaking) .....B  
**IND.—Cambridge City**  
 Bertsh & Co. (Angle Iron, etc.; Bending; Straighten- ing; Crimping; Hand; Belt; Power) .....D  
**IND.—Indianapolis**  
 Nordyke & Marmon Co. (Flour Mill) .....AA  
**IND.—Richmond**  
 Richmond City Mill Works (Flour Mill) .....B  
**IND.—Davenport**  
 Davenport Fdry. & Mach. Co. (Sand; Chilled)....X  
**KANS.—Fort Scott**  
 Fort Scott Fdry. & Machine Co. (Cornish) .....H  
**MAINE—Portland**  
 Portland Co. (Chilled Cal- ender; Paper Calender).. AA  
**MD.—Baltimore**  
 Marquette, Jno. N. (Crush- ing) .....X  
**MASS.—Boston**  
 Boston Belting Co. (Rubber; Wringer; Rubber Covered) AAAAA  
 Eastern Forge Co. of Mass., 70 Kilby (Bending; Straightening) .....B  
 Harvey, Henry H. (Stone Workers'; Wooden)....D  
 Hanwood & Son, Geo. S., 53 State (Card; Feed)...A  
 Revere Rubber Co. (Rub- ber Covered) .....AAAA  
 Riley & Co., C. E. (Fluted) .....A  
 Sewing Machine & Supplies Co. (Hard Rubber; Pink- ing) .....B  
**MASS.—Fall River**  
 Fall River Fdry. & Mach. Co. (Card; Feed) .....F  
 Thurston & Son, A. G. (Fluted) .....E  
**MASS.—Florence**  
 Norwood Engineering Co. (Paper; Calender) .....B  
**MASS.—Holyoke**  
 Brown & Sellers Co. (Dandy) .....X  
 Buchanan & Bolt Wire Co. (Dandy) .....B  
 Holyoke Machy. Co. (Chilled Iron; Paper; Cotton; Husk; Calender).. AA  
 Perkins & Son, B. F. (Splined Paper Calender) A  
 Smith & Co., C. H. (Dandy) .....D  
**MASS.—Indian Orchard**  
 Metallic Drawing Roll Co. (Metallic Drawing)....A  
**MASS.—Lawrence**  
 Emerson Mfg. Co. (Chilled Calender) .....C  
**MASS.—Lowell**  
 Adams, J. F. & M. J., 46 Leverett (Card; Feed).X  
 Kitson Mach. Co. (Chilled Calender) .....AAA  
 Lowell Machine Shop (Gun Metal Calender) .....AAAA  
**MASS.—Springfield**  
 Bigelow-Cheney Wire Wks. (Dandy) .....A  
 Bullock Mfg. Co. (Jew- elers') .....A  
**MASS.—Worcester**  
 Arcade Malleable Iron Co. (Rolls. Sand; Chilled; Steel) .....A  
 Curtis & Marble Machy.

**ROLLS (Con.)**  
 Co. (Card; Feed) .....A  
 Rice, Barton & Fales Mach. & Iron Co. (Chilled Cal- ender) .....AA  
 Warren Leather Goods Co. (Music) .....A  
 Whitcomb Mfg. Co. (Bend- ing; Straightening; Hand Banding; Plate Bending) B  
**MICH.—Alpena**  
 Kline, Lewis F. (Wood; Caster) .....D  
**MICH.—Grand Rapids**  
 Grand Rapids Brass Co. (Sliding Door) .....A  
**MICH.—Kalamazoo**  
 Hill & Co., W. E. (Live).B  
**MICH.—Saginaw**  
 Wickes Bros. (Plate, etc.; Bending; Straightening; Hand; Belt; Power).AAA  
**MO.—St. Louis**  
 Fritsch Fdry. & Mach. Co., Arthur, 216 Gratiot (Crushing) .....B  
 South St. Louis Fdry. Co., 7516-8 B'way (Crushing) C  
**N. J.—Belleville**  
 Eastwood Wire Mfg. Co. (Dandy) .....A  
**N. J.—Bloomfield**  
 Comb. Rubber & Belting Co. (Typewriter) .....A  
**N. J.—East Newark**  
 Gleeson, Thomas E. (Dandy) .....C  
**N. J.—Garwood**  
 Beckley Co., A. J. (Machy. Bending) .....D  
**N. J.—Harrison**  
 Globe Wire Co. (Dandy).D  
**N. J.—High Bridge**  
 Taylor Iron & Steel Co. (Coal Breaker) ....AAAA  
**N. J.—Jersey City**  
 Krom Mach. Works (Crush- ing) .....X  
 New Jersey Car Spring & Rubber Co. (Rubber Wringer; Rubber Cover- ed Typewriter)....AA  
**N. J.—Newark**  
 Currier & Sons, Cyrus (Chilled Calender) ...AA  
 Ohl & Co., Geo. A. (Crimp- ing; Hand; .....B  
 Stone, F. & G. M. (Calico Printers'; Embossing; En- graved) .....C  
**N. J.—Raritan**  
 Kenyon & Son, D. R. (Card; Feed) .....B  
**N. J.—Rockaway**  
 Hoagland Sons Co., M. (Crushing) .....A  
**N. J.—Trenton**  
 Home Rubber Co. (Wringer; Rubber Covered) .....AA  
**N. Y.—Albany**  
 Townsend Furn. & Mach Shop Co. (Soft; Chilled Sand) .....B  
**N. Y.—Brooklyn**  
 Bliss & Co., E. W., 17 Adams (Crimping) AAAAA  
 Houchin & Huber (Ink Mill) .....D  
 Niagara Mach. & Tool Wks. (Bending; Straightening; Crimping; Fluted; Hand; Belt; Power; Sheet Metal Forming) .....A  
**N. Y.—Buffalo**  
 Oliver Mfg. Co. W. W. (Jewelers) .....C  
**N. Y.—Cohoes**  
 Cohoes Iron Foundry & Ma- chine Co. (Fluted)....B  
**N. Y.—Dansville**  
 Gilman A. J. (Chilled Calender) .....X  
**N. Y.—Fulton**  
 Dilts Machine Works (Iron) .....B  
**N. Y.—Newburgh**  
 Coldwell, Wilcox Co. (Cornish) .....B  
 New York City  
 Cavagnaro, John, 215

**ROLLS (Con.)**  
 Centre (Paper) .....D  
 De Witte Wire Cloth Co.  
 (Dardy) .....A  
 Dickinson, John (Est. of).  
 64 Nassau (Granite;  
 Chocolate) .....B  
 Goodyear Rubber Co.  
 (Wringer) .....AAAA  
 Gutta Percha & Rubber  
 Mfg. Co. (Rubber; Rub-  
 ber Covered) .....AAAA  
 Manhattan Rubber Mfg. Co.  
 18 Vesey (Rubber) ...AA  
 New York Belting & Pack-  
 ing Co. (Rubber; Wring-  
 er) .....AAA  
 New York Rubber Co.  
 (Rubber) .....AA  
 Niles-Bement-Pond Co. 138  
 Liberty (Hand; Belt;  
 Power; Bending; Straigh-  
 tening) .....AAAA  
 Peck, Stow & Wilcox Co.,  
 27 Murray (Bending  
 Straightening) .....AAAA  
 Spencer Optical Co.  
 (Music) .....C  
 N. Y.—Sandy Hill  
 Sandy Hill Iron & Brass  
 Works (Paper; Calendar)  
 A

**OHIO—Akron**  
 Goodrich Co., B. F. (Rub-  
 ber; Rubber Covered)...  
 AAAA

**OHIO—Alliance**  
 Morgan Engineering Co.  
 (Plate, etc.; Bending;  
 Straightening) .....AAAA

**OHIO—Canton**  
 Bonnot Co. (Clay, etc.;  
 Crushing) .....A  
 Canton Roll & Machy Co.  
 (Sand; Chilled; Semi  
 Steel) .....B

**OHIO—Cincinnati**  
 Cinn. Punch & Shear Co.  
 (Power Driven; Bending;  
 Straightening; Hand;  
 Belt; Power) .....D  
 Keene & Co., Geo. C., 502  
 E. Front (Crimping) ...F  
 Robinson Mfg. Co., J. M.,  
 2d & Cent. Av. (Crimp-  
 ing) .....C

**OHIO—Cleveland**  
 Ajax Mfg. Co. (Forging)..  
 AA

Cleveland Punch & Shear  
 Works Co., 156 Case  
 (Plate Bending; Straigh-  
 tening) .....A  
 Riverside Fdry. Co. (Sand;  
 Chilled; Steel) .....B  
 Wellman Seaver Morgan Co.  
 (Bending; Straightening)  
 AAAA

**OHIO—Columbus**  
 Jeffrey Mfg. Co. (Coal  
 Breaker) .....AAAA

**OHIO—Hamilton**  
 Black & Clawson Co.  
 (Sand; Chilled; Steel;  
 Dandy) .....AAA  
 Niles Tool Works Co.  
 (Plate Bending)...AAAA

**OHIO—Youngstown**  
 Republic Rubber Co.  
 (Rubber) .....AA  
 Youngstown Fdry. & Mach.  
 Co. (Sand; Chilled; Semi  
 Steel) .....A

**OHIO—Zanesville**  
 Griffith & Wedge Co.  
 (Cornish) .....B

**PA.—Allegheny**  
 Carlin's Sons, Thomas  
 (Crushing; Beam Bend-  
 ing; Straightening)....A

**PA.—Avonmore**  
 West Penn. Fdry. & Mach.  
 Co. (Sand; Chilled; Semi  
 Steel) .....X

**PA.—Birdsboro**  
 Diamond Drill & Mach. Co.  
 (Bending; Straightening;  
 Crushing; Sand; Chilled;  
 Steel) .....A

**PA.—Braddock**  
 Braddock Machy. & Mfg.  
 Co. (Sand; Chilled).....A

**ROLLS (Con.)**  
**PA.—Chester**  
 Wetherill & Co., Robert  
 (Sand; Chilled; Steel)..  
 AAAA

**PA.—Eddystone**  
 Tindel Morris Co. (Sand;  
 Chilled; Steel) .....AA

**PA.—Erie**  
 Continental Rubber Works  
 (Rubber) .....A  
 Lovell Mfg. Co. (Blue  
 Print; for Mechanical  
 Work; Rubber; for  
 Laundress; Woolen Mills;  
 Tanneries, etc.) .....AA

**PA.—Hyde Park**  
 Stearns Mfg. Co. (Live) ..B

**PA.—Muncy**  
 Hyde Park Fdry. & Machine  
 Co. (Sand; Chilled) ....C

**PA.—New Castle**  
 Sprout, Waldron & Co.  
 (Flour Mill) .....A

**PA.—Philadelphia**  
 Vulcan Foundry & Mach.  
 Co. (Train) .....A

**PA.—Philadelphia**  
 Bement Niles & Co. (Plate  
 Bending) .....AAAA  
 Butterworth & Sons Co.,  
 H. W. (Paper; Calendar)  
 A

Cresson Co., Geo. V., 18th  
 & Allegheny (Crushing).  
 AA

Phila. Roll & Mach. Co.,  
 So. 23d & Wash. Av.  
 (Plate Bending; Straigh-  
 tening; Sand; Chilled;  
 Steel; Crushing; Hand;  
 Belt; Power; Jewelers')  
 A

Phila. Textile Machy. Co.  
 Hancock & Somerset  
 (Card; Feed) .....A

Phillips & Sons Co., F.R.,  
 Penna. Bldg. (Sand;  
 Chilled; Steel) .....D

Sellers & Co., Wm., Inc.  
 (Plate; Beam; Vertical  
 Bending; Hand; Belt;  
 Power) .....AAAA

Western & Wells Mfg. Co.  
 (Wire; Hair) .....B

Woodford Wood Tanks Mfg.  
 Co. (Wooden; Scouring)  
 G

**PA.—Pittsburg**  
 Fischer Fdry. & Machine  
 Co. (Beam Bending)...AA

Garrison Fdry. Co., A.  
 (Chilled; Calendar; Crush-  
 ing; Steel Bending;  
 Straightening) .....AAA

Heppinstall Forge & Knife  
 Co. (Hardened Forge)...B

Hogg Iron & Steel Fdry.  
 Co., Geo. A., 24th & R.  
 R. Av. (Train; Chilled;  
 Sand; Steel; Semi Steel)  
 A

Lewis Fdry. & Machine Co.  
 (Bending; Straightening;  
 Sand; Chilled) .....A

Mesta Mach. Co., Lewis  
 Block (Sand; Chilled;  
 Steel; Dry Sand) .....AAAA

Pittsburg Mfg. Co., 28th &  
 R. R. (Bending; Straigh-  
 tening) .....A

Pittsburg Steel Foundry Co.  
 (Sand; Chilled; Steel)..  
 AA

Sciffe Fdry. & Mach. Co.  
 (Crushing) .....B

Sermon Sleuth Co., 41st &  
 A. V. Ry. (Sand; Chilled)  
 AA

Trethway & Co. (Ltd.),  
 Samuel, 47th. near Plum-  
 mers (Sand; Chilled;  
 Steel) .....F

United Engineering & Fdry.  
 Co., 54th & A. V. Ry.  
 (Bending; Straightening;  
 Crushing; Sand; Chilled;  
 Steel) .....AAAA

**PA.—Warren Station**  
 Duquesne Forge Co. (Rough-  
 ing Bender Machy.) ...A

**PA.—Reading**  
 Reading Iron Co. (Sand;  
 Chilled; Steel) .....AAAA

**ROLLS (Con.)**

**PA.—So. Bethlehem**  
 Bethlehem Fdry. & Mach.  
 Co. (Bending; Straighten-  
 ing; Crimping; Hand;  
 Belt Power) .....C  
 Bethlehem Iron Co. (Cast  
 Steel; Hardened Forge;  
 Sand; Chilled Steel) .....  
 AAAAA

**PA.—Titusville**  
 Titusville Forge Co. (Bend-  
 ing; Straightening)....A

**PA.—Wilkesbarre**  
 Vulcan Iron Works (Gray  
 Iron; Coal Breaker) AAAAA

**R. I.—Pawtucket**  
 Atwood Crawford Co.  
 (Braid) .....B

**R. I.—Providence**  
 Franklin Machine Co.  
 (Fluted) .....A

**New England Ventilating &  
 Heating Co. (Steaming) D**  
 Providence Mach. Co.  
 (Fluted) .....AA

**Standard Machy. Co.**  
 (Hardened Forge; Jewel-  
 ers) .....B

**Textile Finishing Machy Co.**  
 17 Exch. Place (Card;  
 Feed) .....AAA

**W. VA.—Wheeling**  
 Central Fdry. & Mach. Co.  
 (Sand) .....B

**Wheeling Mold & Fdry. Co.**  
 (Sand; Chilled) .....A

**WIS.—Beloit**  
 Beloit Iron Works (Gray  
 Iron) .....A

**WIS.—Oudahy**  
 Power & Mining Machy. Co.  
 (Straight Line; Crushing) .....  
 AAA

**WIS.—Janesville**  
 New Doty Mfg. Co. (Bend-  
 ing; Straightening; Plate  
 Bending; Crimping; Hand  
 Belt Power) .....D

**WIS.—Milwaukee**  
 Allis Chalmers Co. (Crush-  
 ing; Cornish; Live) AAAAA

**Filler & Stowell Co., Ltd.**  
 (Live) .....AAA

**WIS.—Racine**  
 Secor Trunk Co., M. M.  
 (Music) .....A

**ROOFING**

See also Iron & Steel;  
 Paper; Roofs

**ALA.—Birmingham**  
 East Birmingham Roofg. &  
 Corrugating Co. (Iron &  
 Steel) .....C

**CAL.—Los Angeles**  
 Denamore Stabler Refining  
 Co. (Asphalt Ready)....B

**Pioneer Roll Paper Co.**  
 (Ready Rock) .....B

**GA.—Atlanta**  
 Southern Roofing Co. (Iron  
 & Steel) .....D

**ILL.—Chicago**  
 Chicago Asbestos Mfg. Co.,  
 96 W. Lake (Asbestos) .....  
 E

**Chicago-Cleveland Car Roof-  
 ing Co., Old Colony Bldg.**  
 (Car) .....A

**Chicago Fire Proof Covering**  
 Co., 18 N. Canal (Asbes-  
 tos) .....E

**Illinois Roofing & Supply**  
 Co., 23 Lake (Iron &  
 Steel) .....B

**Gale & Co., Julian L., The**  
 Bookery (Torison; Proof;  
 Car) .....D

**ILL.—East St. Louis**  
 The Process Steel & Wire  
 Co. (Iron; Steel) .....A

**IND.—Anderson**  
 Gedge Bros. Iron Roofing  
 Co. (Iron; Steel) .....O

**IND.—Aurora**  
 Excelsior Iron Roofing Co.  
 (Iron; Steel) .....H

**IND.—Indianapolis**  
 Indianapolis Steel Roofing  
 & Corrugating Co., 23 E.

**ROOFING (Con.)**

South (Iron; Steel)....O

**IOWA—Des Moines**  
 Steel Roofing & Stamping  
 Wks. (Iron; Steel)....O

**IOWA—Vinton**  
 Vinton Steel Wks. (Iron &  
 Steel) .....E

**KY.—Louisville**  
 Conner & Co., Chas. H.,  
 17th & Arbogust (Iron;  
 Steel) .....B

**LA.—New Orleans**  
 New Orleans Roofing &  
 Metal Wks. (Galvanized  
 Iron) .....A

**MASS.—Boston**  
 Bird & Co., J. A. & W., 34  
 India (Flint Kole)....AA

**Boston Bridge Wks. (Iron;  
 Steel) .....AA**  
 New England Felt Roofing  
 Wks. (Felt) .....A

**Trainer Mfg. Co., C. W.,**  
 89 Pearl (Asphalt Ready) .....  
 E

**Van Norden & Co., E.**  
 (Iron) .....U

**MASS.—East Walpole**  
 Bird & Son, F. W. (Car;  
 Paroid) .....AA

**MASS.—Waltham**  
 Davis & Farnum Mfg. Co.  
 (Iron) .....A

**MASS.—Worcester**  
 New England Steel Roofing  
 Co. (Iron; Steel).....F

**MICH.—Detroit**  
 Burton Co., W. J., 164  
 Larned (Iron; Steel)....O

**Hutchins & Sons, C. B.,**  
 Majestic Bldg. (Iron;  
 Plastic Car) .....D

**MICH.—Saginaw**  
 Asphalt Roofing Co. (As-  
 phalt; Ready) .....D

**Mershon & Co., Wm. B.**  
 (Car) .....A

**MINN.—Duluth**  
 Duluth Corrugating & Roof-  
 ing Co. (Iron; Steel)..B

**MINN.—Minneapolis**  
 Crittenden Roofing & Mfg.  
 Co., 704 S. 5th (Iron;  
 Steel) .....E

**Minneapolis Paper Co.**  
 (Asphalt; Ready) .....B

**MINN.—St. Paul**  
 St. Paul Roofing Cornice &  
 Ornamental Co. (Steel)B

**MO.—Kansas City**  
 Kansas City Roofing &  
 Corrug. Co., 416 Delaware  
 (Iron; Steel) .....B

**MO.—Saint Louis**  
 Ames Insulating Material  
 Mfg. Co., 213 N. 3d  
 (Ivoryoid Indestructible  
 Fire Proof) .....B

**Asbestos Mfg. & Roofing**  
 Co. (Asbestos) .....E

**Asphalt Roofing Co., 808 S.**  
 Theresa (Asbestos; As-  
 phalt; Ready) .....X

**Excelsior Car Roofing Co.,**  
 Chemical Bldg. (Car)..D

**Harry Steel Wks. O. K.**  
 (Corrugated & Formed) .....  
 B

**Meeker & Bro. (Slate)AA**  
 Saint Louis Corrugating  
 Co., 117 Soulard (Iron;  
 Steel) .....O

**Souther Iron Co., E. E.**  
 (Iron; Steel) .....A

**Standard Railway Equip-  
 ment Co., Union Trust**  
 Bldg. (Galvanized Iron  
 bar) .....O

**Trundad Asphalt Mfg. Co.**  
 (Abestos; Asphalt Ready) .....  
 A

**Zelnicker Supply Co. (Pre-  
 pared) .....X**

**N. J.—Camden**  
 Fay Manilla Roofing Co.,  
 516 Point (Car) .....D

**New Jersey Asbestos Co.,**  
 117 N. Front (Asbestos) .....  
 AA

**N. J.—Jersey City**  
 New York Iron Roofing &  
 Corrug. Co. (Roofing)..O

**ROOFING (Con.)**

Stowell Mfg. Co., 114 to  
134 Culver Av. (Asbestos;  
Asphalt Gravel; Asphalt  
Ready; Cork Mica; Slate) B

**N.Y.—Brooklyn**

Hatfield, Geo. E., 11 Cla-  
seon Av. (Slag) .....D

**New York City**

Amer. Bridge Co., 100  
B'way (Iron; Steel)...A

Asbestos Felting Wks., 79  
Malden La. (Asbestos)...D

Asphalt Ready Roofing Co.  
(Asphalt; Cement; Pre-  
pared) .....B

Barrett Mfg. Co. (Asphalt;  
Felt; Gravel) .....AAAA

Eastern Granite Roofing  
Co., Chambers & W.  
B'way (Asphalt; Ready;  
Granite) .....A

Gast, Frank J., 26 Cort  
land (Asbestos) .....E

Johns Manville Co., H. W.,  
100 William (Asbestos)...AAAA

Lefferts Galvanizing Wks.  
(Corrugated; Formed)...C

Monarch Asbestos Co., 411  
Washington (Asphalt;  
Ready) .....E

Moseley Iron Bridge &  
Roofing Co., 39 Cortland  
(Iron; Steel) .....B

N. Y. Metal Ceiling Co.,  
537 W. 24th (Iron; Steel)  
B

Standard Paint Co. (Rub-  
beroid; Car Prepared)...A

Warren Chemical & Mfg.  
Co. (Asphalt; Tarred)...A

**N. Y.—Tonawanda**

National Roofing Co. (As-  
phalt) .....B

**OHIO—Cambridge**

Cambridge Roofing Co.  
(Iron; Steel) .....B

**OHIO—Canton**

Berger Mfg. Co. (Iron;  
Steel) .....AA

Canton Steel Roofing Co.  
(Iron; Steel) .....A

Eller & Co., J. H., 94 E.  
5th (Iron; Steel) .....A

Kanneberg Roofing & Ceiling  
Co. (Iron; Steel)...B

**OHIO—Cincinnati**

Edwards Mfg. Co. (Iron;  
Steel) .....C

Globe Iron Roofing & Cor-  
rugating Co. (Iron; Steel)  
A

Hyndman Steel Roofing Co.  
318 E. 2d (Iron; Steel;  
Corrugated; Formed)...C

Porter Iron Roofing & Cor-  
rug. Co., 27 W. Front  
(Iron; Steel) .....D

Scott & Co., 234 E. Front  
Asphalt Ready; Iron;  
Steel) .....B

**OHIO—Cleveland**

Auld & Conger Co. (Slate)  
A

Brown Hoisting Machinery  
Co., 1345 St. Clair (Ter-  
rainclaire; Fire Proof)  
AAAA

Drake & Wiers Co. (As-  
phalt Car) .....B

Garry Iron & Steel Co.  
(Iron; Steel; Cement Pre-  
pared) .....A

**OHIO—Columbus**

Consolidated Roofing Wks.  
(Seamless; Asphalt;  
Ready) .....C

**OHIO—Forest**

Dickelman Mfg. Co. (Iron;  
Steel) .....A

**OHIO—Lockland**

Carey Mfg. Co., Philip  
(Asbestos; Cement)....AAAA

**OHIO—Mansfield**

Bodine Roofing Co. (Wood  
Fibre) .....D

**OHIO—Middletown**

Ames Steel Roofing Co.  
(Iron; Steel) .....AA

**ROOFING (Con.)**

**OHIO—Miles**

Niles Iron & Steel Roofing  
Co. (Iron; Steel) .....B

Sheet Metal Mfg. Co.  
(Iron; Steel) .....C

Sykes Metal Lathing &  
Roofing Co. (Iron; Steel)  
B

**OHIO—Youngstown**

Youngstown Iron Sheet &  
Tube Co. (Puddled Iron  
Sheets a Specialty)AAAA

Youngstown Iron & Steel  
Roofing Co. (Iron; Steel)  
AA

**OHIO—Zanesville**

Muskingum Valley Steel Co.  
(Iron; Steel) .....A

**PA.—Conshohocken**

Little, Wm. (Slag).....C

**PA.—Easton**

Bangor Excelsior Slate Co.  
(Slate) .....A

**PA.—Erie**

Watson & Co., H. F. (As-  
bestos; Car Felt; As-  
phalt Tarred) .....AAAA

**PA.—Philadelphia**

Buchanan Foster Co.,  
Drexel Bldg. (Asphalt;  
Ready) .....A

Penn. Metal Ceiling &  
Roofing Co. (Ltd.) 23d &  
Hamilton (Iron; Steel)B

Vulcanite Paving Co., Fi-  
delity Bldg. (Slag)....AAA

Wood, Iron & Steel Co.  
Alan., 519 Arch (Iron;  
Steel) .....AAAA

**PA.—Pittsburg**

Goff, Horner & Co. (Ltd.)  
Frick Bldg. (Iron; Steel)  
A

**Iron City Metal Ceiling**

Co., Schmidt Bldg. (Iron;  
Steel) .....D

McConnelly Asbestos &  
Covering Co., 239 Water  
(Asbestos) .....B

Scaife & Sons Co., Wm. B.,  
221 First Av. (Iron;  
Steel) .....AAA

**PA.—Pittston**

Pittston Iron Roofing Co.  
(Iron; Steel) .....D

**PA.—Slattington**

Stattington, Bangor Slate  
Syndicate (Slate) .....D

**TENN.—Chattanooga**

Chattanooga Roofing &  
Foundry Co. (Iron; Steel)  
A

Montague & Co. (Tin)...A

**TENN.—Memphis**

Bartholomew Roofing Co.  
(Asbestos) .....B

Livermore Foundry & Ma-  
chine Co. (Iron).....A

**VT.—Poultney**

Griffith & Nathaniel  
(Slate) .....B

**VA.—Richmond**

Armitage Mfg. Co. (As-  
phalt; Ready; Car)....B

**W. VA.—Wheeling**

Caldwell B. F. & Co. (Cor-  
rugated; Formed Steel)..D

Laughlin Nail Co. (Steel)  
AA

Wheeling Corrugated Co.  
(Iron; Steel; Painted  
Galv. Iron Steel).....AAAA

**WIS.—Milwaukee**

Milwaukee Corrugating Co.  
(Iron; Steel) .....A

**ROOFS**

**CONN.—New Haven**

Dann Bros. & Co. (Coach)  
B

**DEL.—Wilmington**

Edge Moor Iron Co. (Iron)  
AAA

**ILL.—Chicago**

Globe Iron Wks. (Iron).B

**KY.—Louisville**

Conner & Co., Chas. H.  
(Inc.) .....B

**..—Baltimore**

Bartlett Hayward & Co.

**ROOFS (Con.)**  
 (Iron) ..... B  
**N. J.—Trenton**  
 Trenton Iron Co. (Iron) .A  
**N. Y.—Brooklyn**  
 Continental Iron Wks.  
 (Iron) ..... A  
 Helca Iron Wks. (Iron) .AA  
**N. Y.—New York**  
 Cornell, J. B. & J. M. Co.  
 (Iron; Iron Truss) .AA  
 Dimond Thos. (Iron) .AA  
 Moseley Iron Bridge &  
 Roof Co. (Iron) .B  
**OHIO—Cincinnati**  
 Stacey Mfg. Co. (Iron) .AA  
 Walton Iron Co. (Iron) .C  
**PA.—Philadelphia**  
 Phoenix Bridge Co. (Iron;  
 Iron Truss; Steel) .AAA  
 Wood & Co., R. D. (Iron)  
 AAAA  
**PA.—Pittsburg**  
 Carnegie Steel Co. (Ltd.)  
 (Steel) .AAAA  
 Bitter-Conley Mfg. Co. (Iron)  
 AAA  
**PA.—Steelton**  
 Penna. Steel Co. (Iron;  
 Iron Truss; Steel) .AAAA

## ROOMS

**ILL.—Chicago**  
 Chicago Clothes Dryer Wks.  
 346 Wabash Av. (Dry-  
 ing) ..... D  
 Steel Rod Machine Co., 142  
 Wash. Boul. (Drying) .F  
**MASS.—Boston**  
 Empire Laundry Machy Co.  
 (Drying; Laundry Dry) C  
**N. Y.—Troy**  
 Adams Laundry Machy Co.  
 (Drying) ..... B  
 Troy Laundry Machy Co.  
 (Laundry Drying) .AA  
**OHIO—Cincinnati**  
 Amer. Laundry Mach. Co.  
 (Drying) ..... AA  
 Peck-Williamson Htg. &  
 Ventl. Co. (Drying) .AA  
**OHIO—Toledo**  
 Stevens Benjamin, A.  
 (Cooling) ..... A  
**PA.—Columbia**  
 Wilson Laundry Machy. Co.  
 (Drying) ..... A  
**PA.—Philadelphia**  
 Barnes & Erb Co. (Laundry  
 Drying) ..... A

## ROOTS

See also Herbs

**MD.—Baltimore**  
 Sharp & Dohme (Pressed)  
 AAA  
**MICH.—Detroit**  
 Parke, Davis & Co. (Press-  
 ed) ..... AAAA  
**MINN.—Minneapolis**  
 McMillan Fur & Wool Co.  
 (Pressed) ..... X  
**New York City**  
 Adams & Co., Walter  
 (Pressed) ..... H  
 Honkins & Co., J. C., 100  
 William (Aconite; Ar-  
 row) ..... A  
 Lehn & Fink (Bleached  
 Calamus) ..... AAA  
 McKesson & Robbins  
 (Rhubarb) ..... AAAA  
**VT.—Burlington**  
 Wells & Richardson Co.  
 (Pressed) ..... AA  
**WIS.—Fond Du Lac**  
 Huber & Fuhrman Drug  
 Mills (Pressed) ..... B

## ROPE

See also Cordage

**CAL.—San Francisco**  
 Hallide-Painter Tramway  
 Co., 44 Fremont (Wire) D  
 Tubbs Cordage Co. (Jute  
 Manila; Sisal) .AAAA  
**CONN.—Widdletown**  
 Kirby Mfg. Co. (Jump) .R

**ROPE (Con.)**  
 Palmer, J. E. (Hammock;  
 Hitching) ..... AAA  
**CONN.—New Haven**  
 National Steel & Wire Co.  
 (Wire) ..... AAAA  
 National Wire Corpn.  
 (Wire) ..... AA  
**GA.—Athens**  
 Princeton Mfg. Co. (Cot-  
 ton) ..... AA  
**GA.—Banning**  
 Hutchinson Mfg. Co. (Cot-  
 ton) ..... A  
**GA.—Columbus**  
 Eagle & Phoenix Mills  
 (Cotton) ..... AAA  
**GA.—Macon**  
 Bibb Mfg. Co. (Cotton)  
 AAAA  
**ILL.—Chicago**  
 Amer. Steel & Wire Co.,  
 The Rookery (Wire) .  
 AAAA  
 Carpenter & Co., Geo. B.,  
 208 So. Water (Wire;  
 Braided Cotton; Linen;  
 Manila; Sisal; Jute &  
 Hemp, Transmission) .AA  
 Chicago Rawhide Mfg. Co.,  
 75 E. Ohio (Rawhide) .A  
 Macomber & Whyte Rope  
 Co. (Manilla; Sisal; Jute  
 & Hemp Wire) ..... A  
**ILL.—Sterling**  
 Charter Gas Engine Co.  
 (Wire) ..... A  
**IND.—Mishawaka**  
 Dodge Mfg. Co. (Transmis-  
 sion Manila; Sisal; Jute  
 & Hemp) ..... AAA  
**IOWA—Cedar Rapids**  
 Adams Mfg. Co., A. L.  
 (Hammock) ..... E  
**KY.—Maysville**  
 January & Wood Co. (Cot-  
 ton) ..... A  
**MD.—Baltimore**  
 Hooper & Sons., Wm. E.  
 (Cotton) ..... AAAA  
**MASS.—Boston**  
 Durable Wire Rope Co., 228  
 Congress (Durable Wire)  
 D  
 Hinckley Bros. & Co., 58  
 Commercial (Flattened  
 Strand Wire) ..... B  
 Samson Cordage Wks. (Bell  
 Braided; Cotton; Ham-  
 mock; Hitching) ..... A  
**MASS.—Fall River**  
 Small Bros. (Cotton) .D  
**MASS.—Holvoke**  
 Prentiss & Co., Geo., W.  
 (Wire) ..... AA  
**MASS.—New Bedford**  
 New Bedford Cordage Co.  
 Bale; Derrick; Elevator;  
 Manila; Sisal; Tarred  
 Manila) ..... X  
**MASS.—Newtonville**  
 Silver Lake Co. (Braided  
 Cotton) ..... A  
**MASS.—Palmer**  
 Wright Wire Co. (Wire) .  
 AA  
**MASS.—Plymouth**  
 Plymouth Cordage Co. (Ma-  
 nilla; Sisal; Rawhide) .  
 AAAA  
**MINN.—Minneapolis**  
 Minneapolis Steel & Machy.  
 Co. (Transmission) .AAA  
**MISS.—Wesson**  
 Mississippi Mills (Cotton)  
 AAA  
**MO.—St. Louis**  
 Broderick & Rascon Rope  
 Co., 809 N. Main (Wire;  
 Transmission; Galvanized  
 Wire; Iron; Steel Wire;  
 Steel Switch; Manila;  
 Sisal; Jute; Hemp) .AA  
 Leschen & Sons Rope Co.,  
 A., 920 N. 1st (Steel  
 Switching; Wire; Wreck-  
 ing; Braided Cotton; Ele-  
 vator; Manila; Sisal;  
 Galvanized Wire; Iron;  
 Steel Flat; Linen; Hay;  
 Hide; Jute; Hemp; Trans-  
 mission; Locomotive) .AA  
 Endlow-Saylor Wire Co.

**ROPE (Con.)**  
 (Wire) .....AA  
 St. Louis Cordage Co.  
 (Hide) .....AA  
**N. J.—Trenton**  
 Roebling's Sons Co., Jno.  
 A. (Wire; Iron; Steel  
 Flat) .....AAAA  
 Trenton Iron Co. (Iron;  
 Steel Wire; Copper Wire;  
 Iron; Steel Flat; Wire) A  
**N. Y.—Auburn**  
 Columbian Cordage Co.  
 (Hay; Manila; Sisal;  
 Rawhide; Transmission) AA  
**N. Y.—Buffalo**  
 Contractors Plant Mfg. Co.  
 (Wire) .....B  
**New York City**  
 American Mfg. Co., 63  
 Wall (Manila; Sisal;  
 Jute Hemp; Hammock;  
 Hitching; Transmission) AAAA  
 Dewitt Wire Cloth Co.  
 (Copper Wire; Galvanized  
 Wire; Wire) .....A  
 Harzard Mfg. Co., 50 Dey  
 (Wire) .....AAAA  
 Jessop & Sons, Wm. (Ltd.)  
 95 John (Wire) .....AA  
 Johns, H. W., Manville Co.  
 (Asbestos) .....AAAA  
 Lawrence Cordage Wks.  
 (Bale; Jute; Manila;  
 Sisal) .....A  
 Macomber-Whyte-Moon Co.,  
 131 Worth (Wire) ....H  
 New Jersey Fdry. & Ma-  
 chine Co., 9 Murray  
 (Wire) .....D  
 Rahmann & Co., Geo. (Raw  
 Hide) .....O  
 Schieren & Co., Chas. A.  
 (Raw Hide) .....AAAA  
 Waterbury & Co., 69 South  
 (Manila; Sisal; Jute;  
 Hemp; Wire) .....AAAA  
**N. Y.—Unadilla**  
 Tie Co. (Boat Anchor;  
 Transmission) .....D  
**N. Y.—Watervliet**  
 Covert Mfg. Co. (Ham-  
 mock; Hitching) .....A  
**N. Y.—West New Brighton**  
 Hunt Co., O. W. (Trans-  
 mission) .....AA  
**N. C.—Mountain Island**  
 Catawba Elec. Light Co.  
 (Cotton) .....X  
**OHIO—Cincinnati**  
 Cincinnati Railway Supply  
 Co., 13 E. 2nd (Mfrs.  
 Agts.) (Wire) .....A  
 Jacobs Cordage Co. (Bell;  
 Tarred; Manila) .....A  
**OHIO—Columbus**  
 Case Mfg. Co. (Transmis-  
 sion) .....A  
 Ironsides Co. (Manila;  
 Sisal; Jute; Hemp;  
 Transmission) .....C  
**OHIO—Lackland**  
 Carey Mfg. Co., Philip  
 (Asbestos) .....AAA  
**OHIO—Xenia**  
 Kelly Co., R. A. (Hay;  
 Manila; Sisal; Raw  
 Hide) .....A  
**PA.—Allentown**  
 Carlins' Sons, Thos. (Ma-  
 nila; Sisal; Wire) ....A  
**PA.—Erie**  
 Watson Co., H. F. (As-  
 bestos) .....AAAA  
**PA.—Harrisburg**  
 Jackson Mfg. Co. (Wire). B  
**PA.—Philadelphia**  
 Hodson, John W. (Cotton) C  
 Phosphor Bronze Smelting  
 Co. (Ltd.) (Phosphor;  
 Bronze Wire; Wire;  
 Transmission) .....F  
 Schlichter Jute Cordage Co.  
 (Manila; Sisal) .....AA  
**PA.—Pittsburg**  
 Frick & Lindsay Co., 109  
 Wood (Mfrs Agts. Wire) B  
 Millhollan & Co., J. & J. B.,

**ROPE (Con.)**  
 718 5th Av. (Wire)....A  
**PA.—Reading**  
 Jackson & Son, Thos. (Bale;  
 Cotton; Jute; Manila;  
 Sisal) .....AA  
**PA.—Wilkesbarre**  
 Harzard Mfg. Co. (Locomo-  
 tive Switching; Galvan-  
 ized Wire; Iron; Steel  
 Flat; Wire) .....AAAA  
**PA.—Williamsport**  
 Williamsport Wire Rope  
 Co. (Wire) .....A  
**R. I.—Pawtucket**  
 Briggs & Co., H. A. (Cot-  
 ton) .....A  
**S. C.—Columbia**  
 Columbia Mills Co. (Cot-  
 ton) .....X  
**TEXAS—Galveston**  
 Galveston Rope Co. (Ma-  
 nila; Sisal) .....A  
**WIS.—Milwaukee**  
 Allis Chalmers Co. (Trans-  
 mission) .....AAAA  
 Western Rawhide & Belt-  
 ing Co. (Raw Hide)....A

## ROSARIES

See Jewelry

## ROSES

See Jewelry

## ROSETTES

See also Pickets; Wood-  
 work

**CONN.—Bridgeport**  
 Bryant Electric Co. (Electric  
 Light) .....A  
 Perkins Electric Switch  
 Mfg. Co. (Electric)....A  
**CONN.—New Britain**  
 North & Judd Mfg. Co.  
**CONN.—New Haven**  
 Grelley Co. (Bridle) ....O  
**CONN.—Waterbury**  
 Amer. Ring Co. (Bridle)..A  
 Plume & Alwood Mfg. Co.  
 (Bridle) .....AAA  
**IND.—Peru**  
 Peru Electric Mfg. Co.  
 (Electric) .....A  
**KY.—Covington**  
 Ohio Scroll & Lumber Co.  
 (Vehicle) .....D  
**KY.—Louisville**  
 Harbison & Gathright  
 (Bridle) .....AA  
**MASS.—Boston**  
 Gilmore Electric Co. (Elec-  
 tric) .....AA  
**NEBR.—Lincoln**  
 Harpham Bros. (Harness)  
 A  
**N. J.—Newark**  
 Duramond Mfg. Co.  
 (Bridle) .....B  
 Greacen & Co., Walter  
 (Harness) .....E  
 Peters Harness & Saddlery  
 Co. (Bridle; Harness)..O  
**N. Y.—Albany**  
 Clark, Jno. W., (Iron)...D  
 New York City  
 Eckstein, Chas. G., 249  
 Centre (Iron) .....D  
**N. Y.—Syracuse**  
 Pass & Seymour (Electric)  
 A  
**OHIO—Akron**  
 Enterprise Mfg. Co. (Har-  
 ness) .....A  
**PA.—Chester**  
 Keystone Drop Forge Wks.  
 (Iron) .....B  
**PA.—So. Bethlehem**  
 Bethlehem Foundry &  
 Mach. Co. (Iron) .....O  
**TENN.—Nashville**  
 Nashville Saddlery Co.  
 (Bridle) .....AA  
**WIS.—So. Milwaukee**  
 Stowell Mfg & Foundry Co.  
 (Iron) .....A

## ROSIN

**GA.—Brunswick**  
Downing Co. ....AA  
**GA.—Savannah**  
Shotter Co. S. P. ....AAAA  
**MASS.—Boston**  
Champman & Soden, 410  
Atlantic Av. ....A  
**New York City**  
Foote J. Howard, 33  
Malden Lane .....X  
Hayne, H. J., 142 Front. D  
Longman & Martinez, ....AAA  
**N. C.—Wilmington**  
Martin & Co., W. A. ....D  
**OHIO—Cincinnati**  
Ogilvy, D. J. ....B  
**PA.—Erie**  
Watson Co., H. F. ....AAA

## ROUGE

**MICH.—Detroit**  
Detroit White Lead Wks. ....AAA  
**N. J.—Newark**  
Hanson & Van Winkle Co.  
(Ltd.) ....AA  
**N. Y.—Brooklyn**  
Wiarda & Co., John C. ....AA  
**New York City**  
Cooper & Co., Chas. ....AA  
Ely, C. J., 35 Dey .....C  
Wetmore Co., S. H. ....D  
**PA.—Pittsburg**  
Pittsburg Crushed Steel Co.  
(Ltd.) ....B

## ROUGHERS

See also Machy

**OHIO—Defiance**  
Defiance Mach. Wks.  
(Hub) .....A

## ROUNDERS

**CONN.—New Haven**  
Shuster Co., F. B. (Hoop) ....X  
**IND.—Indianapolis**  
Atkins & Co., E. C. (Saw) ....AAAA  
**MASS.—Fitchburg**  
Simonds Mfg. Co. (Saw) ..AAA  
**N. J.—Newark**  
Osborne & Co., C. S. (Saddlers' Reins) .....B  
**OHIO—Cincinnati**  
Randall & Co., (Saddlers' Reins) .....B  
**OHIO—Cleveland**  
Oram, John S. (Heading) ....A

## ROUNDS

**IND.—Frankfort**  
Frankfort Handle Mfg. Co.  
(Ladder) .....E  
**OHIO—Hicksville**  
Kerr Bros. Mfg. Co. (Ladder) .....C  
**OHIO—Sandusky**  
Sandusky Tool Co. (Ladder) ....A  
**PA.—Beaver Falls**  
Union Drawn Steel Co.  
(Iron) .....A  
**VT.—Bridgewater Corners**  
Josselyn, L. E. (Chair) ..H  
**WIS.—Menasha**  
Menasha Woodware Co.  
(Ladder) .....AA

## ROWERS

**ILL.—Canton**  
Parlin & Orendorff Co.  
(Check) .....AAAA  
**ILL.—Decatur**  
Chambers, Bering, Quinlan  
Co. (Check) .....A  
**Haworth & Sons Mfg. Co.**  
(Check) .....AA  
**Tait Mfg. Co., F. B. (Check)**  
A  
**ILL.—Galesburg**  
Cotton & Co., G. D. (Inc.)  
(Check) .....C

## ROWERS (Con.)

**ILL.—Joliet**  
Joliet Mfg. Co. (Check) ...A  
**ILL.—Moline**  
Deere & Mansur Co (Check) ....AAAA  
**Moline Plow Co. (Check)**  
AAAA  
**ILL.—Peoria**  
Avery Mfg. Co. (Check) ....AAA  
**ILL.—Rockford**  
Emerson Mfg. Co. (Check) ....AAA  
**ILL.—Sterling**  
Keystone Co. (Check) ....AA  
**OHIO—Hamilton**  
Denschel Co., H. P. (Check) ....A  
**OHIO—Mansfield**  
Lean Mfg. Co., Roderick  
(Check) .....AA  
**WIS.—Beloit**  
Thompson & Sons Mfg. Co.,  
J. (Check) .....AA  
**WIS.—Madison**  
Fuller & Johnson Mfg. Co.  
(Check) .....AAA

## ROWLOCKS

**N. Y.—Buffalo**  
Praw & Letchworth Co. ....AAA  
**New York City**  
Tiebout, W. & J., 118 Cham-  
bers .....B  
Tower & Lyon .....B

## RUBBER

**N. J.—Lambertville**  
New Jersey Rubber Co. (Re-  
claimed) .....A  
**N. J.—Trenton**  
Home Rubber Co. (Sash) ....AA  
**N. Y.—New York City**  
Gutta Percha & Rubber Mfg.  
Co. (Corrugated) ....AAAA  
Jenkins Bros. (Pump Valve) ....A  
Kleinert Rubber Co., I. B.  
(Vulcanite) .....A  
**N. Y. Beeting & Packing**  
Co. (Corrugated) ....AAA  
**N. Y. Rubber Co. (Corru-  
gated)** .....AA  
**OHIO—Akron**  
Goodrich Co., B. F. (Sash) ....AAAA

## RUBBER BOOTS

See Boots & Shoes; Rubber

## RUBBER GOODS

**CAL.—San Francisco**  
Bowers Rubber Co. (Mechan-  
ical) .....O  
**Eagle Rubber Co. (Mechani-  
cal)** .....E  
**Gorham Rubber Co.** .....A  
**CONN.—Bridgeport**  
Canfield, H. O. (Mechani-  
cal) .....O  
**Canfield Rubber Co.** ....AA  
**CONN.—Fairfield**  
Fairfield Rubber Co. (Car-  
riage and Colored Imita-  
tion of Leather, &c.) ...C  
**CONN.—Fartford**  
Hartford Rubber Wrks. Co.  
(Mechanical Rubber) ...A  
**Premier Mfg. Co.** .....B  
**CONN.—Middletown**  
Oma Mfg. Co. (Dress  
Shields) .....A  
**CONN.—New Haven**  
Baumann Rubber Co. (Drug-  
gists) .....O  
**Candee, L. & Co.** ....AAAA  
**Seamless Rubber Co. (Drug-  
gists' Sundries; Surgical)**  
A  
**CONN.—Seymour**  
Day, H. P. & E. Co. ....C  
**ILL.—Chicago**  
Chicago Rubber Brokerage

**RUBBER GOODS (Con.)**  
Co. (Mechanical; Moulded) B  
**Morgan & Wright** (Mechanical Rubber) .....AA  
**IND.—Goshen**  
**Western Rubber Co.** (Mechanical) .....C  
**Kokoma Rubber Co.** .....A  
**MD.—Baltimore**  
**Baltimore Rubber Co.** ....C  
**MASS.—Andover**  
**Tyer Rubber Co.** (Surgical) AA

**MASS.—Boston**  
**Bailey & Co., C. J.** (Druggists) .....B  
**Boston Belting Co.** (Mechanical) .....AAAA  
**Boston Woven Hose & Rubber Co.** (All Kinds) AAAA  
**Clapp, E. H., Rubber Co.** A  
**Conant Rubber Co.** .....C  
**Davidson Rubber Co.** (Druggists' Sundries) .....A  
**Franklin Rubber Co.** (Rain-proof Garments) .....C  
**Revere Rubber Co.** (Mechanical) .....AAAA  
**MASS.—Cambridge**  
**Boston Woven Hose & Rubber Co.** (Mechanical) AAAA

**MASS.—Easthampton**  
**Easthampton Rubber Thread Co.** (Thread) .....AA

**MASS.—Reading**  
**Reading Rubber Mfg. Co.** A

**MASS.—Springfield**  
**Dickinson Hard Rubber Co.** (Composition G'ds. for Electrical Trade) .....C

**MO.—St. Louis**  
**Sanders Duck & Rubber Co.** O

**N. J.—Belleville**  
**Hardman Rubber Co.** (Druggists' Sundries) .....B

**N. J.—Butler**  
**Pequano Rubber Co.** ....B

**N. J.—Jersey City**  
**New Jersey Car Spring & Rubber Co.** (Mechanical) AA

**Voorhees Rubber Mfg. Co.** (Hose; Belting; Packing; Valves; Mats) .....B

**N. J.—Newark**  
**Roberts, C., Rubber Co.** ...A  
**N. J.—New Brunswick**  
**United States Rubber Co.** AAAA

**N. J.—Trenton**  
**Consolidated Rubber Co.** (Belting; Hose; Fruit Jar Rubbers) .....B  
**Empire Rubber Mfg. Co.** A

**Eureka Rubber Mfg. Co.** (Belting; Hose; Mechanical) .....B

**Hamilton Rubber Mfg. Co.** (Mechanical) .....B  
**Home Rubber Co.** (Mechanical) .....AA

**Stokes, Joseph, Rubber Co.** (Hose; Mechanical) ...C

**Trenton Rubber Mfg. Co.** (Belting; Packing; Mechanical; Hose, &c.) ...A

**Union Rubber Co.** (Mechanical) .....E

**United & Globe Rubber Mfg. Co.** .....A  
**United Mfg. & Supply Co.** C

**N. Y.—Batavia**  
**Batavia Rubber Tire Co.** B

**N. Y.—College Point**  
**American Hard Rubber Co.** AAAA

**Kleinert, I. B. Rubber Co.** A

**New York City**  
**American Hard Rubber Co., 9 Mercer St.** (Stationers') AAAA

**Arkey Rubber Co., 35 Warren** (Druggists') .....F

**RUBBER GOODS (Con.)**  
**Ballard, Stephen, Rubber Co.** O

**Ellis & Goltermann** (Automobiles; Toilet Goods) ....C  
**Faber, Eberhard** (Stationers') .....AAAA

**Gates, M. S. & Co.** .....C  
**Gennert, G.** (Photographic) B

**Goodyear's India Rubber Glove Mfg. Co.** (Mechanical; Druggists; &c.) AAAA

**Goodyear Rubber Co., 155 B'way** .....AAAA

**Gutta Percha & Rubber Mfg. Co.** (Hose; Belting; Packing; Mechanical; Vulcanized) .....AAAA

**Hodgman Rubber Co.** (Druggists) .....AA

**Home Rubber Co.** .....A  
**Imperial Rubber Co.** .....C

**India Rubber Co., 16 Warren** (Druggists; Photographic) .....AA

**International Automobile & Vehicle Tire Co., 346 B'way** (Mechanical) ...B

**Kleinert Rubber Co., I. B., 725 B'way** (Sheeting) ...A

**Knapp Rubber Blinding Co.** (Binding; Nosings) ...B

**Manhattan Rubber Mfg. Co.** (Mechanical) .....AA

**Matson Rubber Co., 26 W. B'way** (Druggists' Sun-Mechanical Rubber Co. (Druggists'; Moulded; Vulcanized; Stationers', etc.) .....AAAA

**Meinecke & Co., 50 Park Place** (Druggists') ....C

**Mineralized Rubber Co.** (Hose; Mechanical Goods) O

**New York Belting & Packing Co. (Ltd.)** (Hose; Belting; Mechanical; Packing, etc.) .....A

**New York Gas Tubing Co.** B

**New York Rubber Co., 84 Reade** (Mechanical; Vulcanized) .....AAAA

**Parker, Stearns & Sutton, 228 South** (Surgical; Druggists' Stationers'; Atomizers, etc.; Electrical) AA

**Peerless Rubber Mfg. Co., 16 Warren** (Packing; Hose; Belting; Mechanical) .....A

**Rubber Goods Mfg. Co., 253 B'way** (Mechanical) .....AAAA

**United States Rubber Reclaiming Works, 127 Duane** .....AA

**Vulcanized Rubber Co.** ...A  
**OHIO—Akron**

**American Hard Rubber Co.** (Hard; Insulite) .....AAAA

**Diamond Rubber Co.** (Mechanical) .....AAAA

**Firestone Tire & Rubber Co.** B

**Goodrich Co., B. F. (Akron Rubber Wks.)** (Mechanical; Embalmers'; Druggists'; Hose; Belting; Drug; Sund; Matting) ...AAAA

**Goodyear Tire & Rubber Co.** (Solid; Cushion; Carriage; Motor; Vehicle Tires) ...AA

**Miller Rubber Mfg. Co.** (Gloves; Surgical; Finger Cots) .....B

**Rubber Specialty Co.** (Surgical) .....X

**Whitman & Barnes Mfg. Co.** (Mechanical) .....AAAA

**OHIO—Barberton**  
**Alden Rubber Co.** .....A

**PA.—Erie**  
**Lake Shore Rubber Co.** (Mechanical) .....C

**PA.—Philadelphia**  
**Bord & Bro., Jas.** (Belting; Hose; Packing) .....A



**RUBBER GOODS (Con.)**  
 Kendrick, James R. (Surgical) .....E  
 Manufactured Rubber Co. (Reclaimed) .....A  
 Philadelphia Rubber Works (Reclaimed) .....A  
 Restein, Clement & Co. (Mechanical) .....B  
 Sayen & Schultz (Mechanical) .....C  
 Town & Bro .....C  
**PA.—Pittsburg**  
 Feick Bros. Co. (Surgical) .....D

**R. I.—Bristol**  
 National India Rubber Co. (Druggists'; Mechanical) .....AAAA

**R. I.—Providence**  
 Davol Rubber Co. (Surgical; Druggists'; Stationers')...AA

## RUBBERS

See also Rings

**N. J.—Trenton**  
 Consolidated Rubber Co. (Fruit Jar) .....B  
**New York City**  
 New York Rubber Co., 84 Reade (Square Packing) .....AA

**OHIO—Akron**  
 Faultless Rubber Co. (Sling Shot) .....AA

**PA.—Erie**  
 Continental Rubber Wks. (Fruit Jars) .....A  
**PA.—Philadelphia**  
 Sayne & Schultz, 18th & Commerce (Fruit Jars) C

## RUBIES

See Jewelry

## RUBS

**CONN.—Bridgeport**  
 Bridgeport Safety Emery Wheel Co. (Emery for Foundry Use) .....F

**ILL.—Chicago**  
 Chicago Wheel & Mfg. Co. (Emery for Foundry Use) .....C

**MASS.—Westfield**  
 Vitrified Wheel Co. (Emery for Foundry Use) .....C

**MASS.—Worcester**  
 Norton Emery Wheel Co. (Emery Foundry) .....AA

**OHIO—Tiffin**  
 Sterling Emery Wheel Mfg. Co. (Emery for Foundry Use) .....A

**PA.—Philadelphia**  
 Abrasive Material Co., 724 & Upland (Emery) .....A

**R. I.—Providence**  
 American Emery Wheel Wks. (Emery for Foundry Use) .....B

## RUGS

See Carpets & Rugs

## RULES

**CONN.—Hartford**  
 Billings & Spencer Co. (Scale; Shrinkage; Steel) .....AA

**CONN.—New Britain**  
 Russell & Irwin Mfg. Co. (Tinners) .....AAAA  
 Stanley Rule & Level Co. (Steel Metric; Ivory; Steel; Boxwood; Extension; Lumbermans') .....AAA

**CONN.—Pine Meadow**  
 Chapin-Stephens Co. (Caliper; Architect; Hickory Board; Boxwood; Freight; Ivory; Hickory Log; Combination; Scale; Shrinkage; Slide; Slope Level Try Square; School; Desk) .....A

## RULES (Con.)

**CONN.—Southington**  
 Peck, Stow & Wilcox Co. (Steel; Tinners; Iron) .....AAAA

**CONN.—Unionville**  
 Union Nut & Bolt Co. (Boxwood) .....A  
 Upson Nut Co. (Caliper; Lumbermens' Boxwood; Ivory) .....AAAA

**ILL.—Chicago**  
 Dietzgen Co., Eugene (for Draughting Room) .....A

**IOWA—Ottumwa**  
 Nicholls Mfg. Co. (Steel Framing) .....D

**MASS.—Athol**  
 Athol Machine Co. (Caliper; Machinist Steel) .....B  
 Starrett Co., L. S. (Keyseat; Machinists'; Scale; Shrinkage; Steel; Desk; Blacksmiths'; Metric; Slide; Caliper) .....A

**MASS.—Boston**  
 Hanson, H. C. (Steel Perforating; Printers') .....B  
 Wyke & Co., Jno., 898 Saratoga (Machinist) .....D

**MASS.—Chicopee Falls**  
 Stevens Arms & Tool Co., J. (Machinist) .....AAA

**MASS.—Fitchburg**  
 Sawyer Tool Mfg. Co. (Steel; Steel Metric Key Seat; Machinists' Desk; School) .....C

**MASS.—Greenfield**  
 Massachusetts Tool Co. (Tempered Steel) .....C

**MICH.—Saginaw**  
 Lufkin Rule Co. (Lumbermens' Machinists' Steel; Steel Metric; Tinners; Blacksmiths'; Hickory Board; Steel Board; Steel Folding; Freight; Hickory Log; Scale Shrinkage; Desk; School) .....AA

**N. Y.—Keene**  
 Humphrey Mach. Co. (Caliper) .....C

**N. J.—Irvington**  
 Belcher Bros. Co. (Boxwood; Caliper; Freight; Parallel; Plate Glass; Shrinkage; Saddlers' Glaziers'; Scale; Desk) ...X

**N. J.—Newark**  
 Smith, S. O. (Counting House; Wood) .....D

**N. Y.—Brooklyn**  
 Eddy & Co., Geo. M. (For Surveyers', &c.) .....A

**N. Y.—Jamestown**  
 American Mfg Concern (Advertising) .....A

**New York City**  
 Faber, Eberhard (Desk; Boxwood) .....AAA  
 Goodyear India Rubber Glove Mfg. Co. (Desk) .....AAAA

**Hammacher, Schlemmer & Co.** Fourth Av. (Caliper; Extension; Key Seat; Lumbermens' Machinists') .....AAA

**Hoe & Co., R. (Printers')** .....AAAA

**Jennings & Co., C. E., 42** Murray (Boxwood; Ivory; Machinists') .....B

**Keuffel & Esser Co., 127** Fulton (Extension; Scale; Shrinkage; Steel; Steel Metric; Boxwood; Combination; Slide) .....AA

**Sargent & Co., 151 Leonard** (Steel) .....AAAA

**Solfmann, E. G., 125 E. 42d** (Architects; Engineers; Slide; Caliper) .....B

**Spencerian Pen Co. (Desk)** .....AA

**N. Y.—Seneca Falls**  
 National Advertising Co. (Advertising) .....B

**Westcott, Jewell Co. (Advertising Desk; Parallel; School)** .....D

**OHIO—Akron**

**RULES (Con.)**

Goodrich Co., B. F. (Desk) AAAAA  
**PA.—Philadelphia**  
 Disston & Sons (Inc.) Henry (Machinists'; Steel) AAAAA  
**PA.—Williamsport**  
 Andrews & Sons, E. (Nickel Plated; Steel Board) ..D  
**R. I.—Providence**  
 Brown & Sharpe Mfg. Co. (Calliper; Key Seat; Machinists'; Scale; Shrinkage; Steel; Steel Metric; Boxwood; Iron; Metric) AAAAA

**RUM**

See also Liquors

**MASS.—Boston**  
 Chapin, Trull & Co. (New England) .....A  
 Felton & Son, 17 Broad (New England) .....A  
 Lawrence & Sons, S. (New England) ...AAAA  
**MASS.—Newburyport**  
 Caldwell, A. & G. J. (New England) .....AA  
**MO.—St. Louis**  
 Eddy & Eddy (Bay) .....A  
 New York City  
 Caswell, Massey & Co. (Bay) .....X  
 Chaskel Chemical Works (Inc.), (Bay) .....X  
 Cook & Bernheimer Co., 150 Franklin .....AAA  
 Jones Chemical Co., Enos F. (Bay) .....B  
 Rudkin Co., Wm. H. (Bay) D  
 Tyler & Finch Co. (Bay) B  
**OHIO—Cincinnati**  
 Freiberg & Workum ..AAAA  
**PA.—Philadelphia**  
 Penn. Chemical Works. (Bay) .....AAA

**RUMBLERS**

See also Tumblers; Barrels

**PA.—Philadelphia**  
 Paxson Co., J. W. (Foundry) .....AA

**RUNABOUTS**

See also Carriages &amp; Wagons

**MASS.—Amesbury**  
 Hassett & Hodge .....A  
**MICH.—Flint**  
 Durant-Dort Carriage Co. AAAAA  
**MICH.—Pontiac**  
 Pontiac Buggy Co. ....A  
**N. Y.—New York City**  
 Goodrich & Co., J. F. ...AA  
 Stivers, R. M. ....B  
**OHIO—Columbus**  
 Buckeye Buggy Co. ...AAA  
**WIS.—Racine**  
 Racine-Sattley Co. ....AAAA

**RUNGS**

See Rounds

**RUNNERS**

See also Woodwork; Carriage

**ILL.—Chicago**  
 Wagner, Carl .....X  
**ILL.—Freeport**  
 Schofield & Co. (Bob Sleigh) D  
**IND.—South Bend**  
 South Bend Toy Mfg. Co. (Childrens' Carriage) ...A  
**MICH.—Lansing**  
 Lansing Wheelbarrow Co. (Sleigh) .....AAA  
**MICH.—Traverse City**  
 Peteryl, Victor (Sleigh) D  
**MASS.—Boston**  
 Kimball Bros. Co. (Hub) ..B

**RUNNERS (Con.)**

New York City  
 Tagliabue, Chas. J. ....A  
 Tagliabue, Guiseppe, 302 Pearl .....B  
**OHIO—Canton**  
 Elbel Co. (Gag) .....A  
**OHIO—Cincinnati**  
 Shelt Co. (Sled & Sleigh) A  
**OHIO—Cleveland**  
 Eberhard Mfg. Co. (Gag) AA

**SACCHARINE**

See Sweeteners

**SACCHAROMETERS**

**CAL.—San Francisco**  
 Neville & Co. (Inc.) .....A

**SACKS: FLOUR**

See also Bags

**GA.—Atlanta**  
 Atlanta Paper Co. ....A  
**ILL.—Chicago**  
 Neahr & Co., M. J. ....AA  
**IOWA—Davenport**  
 Davenport Bag & Paper Co. ....B  
**MINN.—Minneapolis**  
 Hardwood Mfg. Co. ....AA  
**MO.—St. Louis**  
 Bemis Bros. Bag Co. ....AAA  
 Chase Bag Co., H. & L. AA  
**N. Y.—Canajoharie**  
 Arkell & Smiths .....A  
 New York City  
 Halsted & Co., E. S. ....A  
**OHIO—Cleveland**  
 Adams Bag Co. ....A  
**PA.—Philadelphia**  
 Bailey & Co., John T. AAAAA  
**PA.—Pittsburg**  
 Tarentum Paper Mills. ....X  
**WIS.—Milwaukee**  
 Milwaukee Bag Co. ....A

**SACQUES**

See Clothing: Ladies'

**SADDLERY & HARNESS**

**ARK.—Ft. Smith**  
 Murphy, W. J. ....B  
**CAL.—Los Angeles**  
 Hayden & Lewis Co. ....B  
**CAL.—Sacramento**  
 Van Voorhees & Co., A. A. A  
**CAL.—San Francisco**  
 Davis & Son, W. ....B  
 Johnson & Co., J. C. ....AA  
 Main & Winchester. ....AAA  
 Stone & Co., L. D. ....B  
**COLO.—Denver**  
 Colorado Saddlery Co. ....C  
**CONN.—Hartford**  
 Smith, Bourn & Co. ....A  
**CONN.—Middletown**  
 Russell Mfg. Co. (Halters) AAAAA  
**GA.—Atlanta**  
 Georgia Tanning & Mfg. Co. ....C  
**GA.—Augusta**  
 Day & Tannahill. ....A  
**GA.—Buford**  
 Allen Rona (Collars) ....A  
**GA.—East Point**  
 Couch Bros. & J. J. Bagan Co. (Collars) .....C  
**GA.—Fairburn**  
 McCurry & Inman Harness Mfg. Co. ....C  
**GA.—Macon**  
 Berud & Co., G. ....C  
**GA.—Valdosta**  
 Roberts, Crawford Dasher Co. ....C

# **SADDLERY & HARNESS**

**ILL.—Benton**  
 Jackson Saddlery Co., A.  
 D. ....C  
**ILL.—Bloomington**  
 Green & Co., B. S. ....C  
**ILL.—Champaign**  
 Miller Harness Co. ....C  
**ILL.—Chicago**  
 Chicago Horse Collar Co.  
 (Collars) .....F  
 Chicago Raw Hide Mfg.  
 Co. (Leather Halters) ..A  
 Kiper & Sons, L. ....AA  
 Morley Bros. Sadd. Co. ..A  
 Oberne & Co., Geo. ....E  
 Starr & Sons Harness Co.,  
 J. G. ....B  
 Staver Carriage Co. ....AA  
**ILL.—Elgin**  
 Elgin Saddlery & Harness  
 Co. ....C  
**ILL.—Galesburg**  
 Adams & Johnson Co. ....B  
**ILL.—Ottawa**  
 Bach & Co., M. W. ....C  
**ILL.—Peoria**  
 Case & Kroenlein .....B  
**ILL.—Quincy**  
 Schott Saddlery Co., J. B.  
 (Bridles) .....B  
**ILL.—Rockford**  
 Hess & Hopkins Leather Co.  
 A  
**ILL.—Sterling**  
 Harpham & Son, John ....C  
**IND.—Columbus**  
 Mooney & Sons, W. W. ....AA  
**IND.—Elkhart**  
 Elkhart Carriage & Har-  
 ness Co. ....B  
**IND.—Evansville**  
 Britz Bros. & Co. ....A  
**IND.—Ft. Wayne**  
 Flickner & Sons, J. O. ....C  
 Bayer, John (Collars) ....C  
 Ft. Wayne Sadd. Co. ....C  
 Johns & Co., A. L. ....C  
**IND.—Indianapolis**  
 Holliday & Wyon Co. ....A  
 Indianapolis Sadd. Co. ....A  
**IND.—Kokomo**  
 Ulrich Harness Mfg. Co. ....E  
**IND.—Lafayette**  
 Jamieson Bros. ....D  
**IND.—Laporte**  
 Lonn & Sons Co., J. ....E  
**IND.—Monticello**  
 Gustavel Co., L. G. ....D  
**IND.—Terre Haute**  
 Miller & Co., P. (Collars).D  
**IOWA—Burlington**  
 McConnell, S. R. & I. C. ...  
 AA  
**IOWA—Clinton**  
 Clinton Sadd. Co. ....C  
**IOWA—Davenport**  
 Sears-Frizzell Co. ....C  
**IOWA—Des Moines**  
 Des Moines Sadd. Co. ....B  
**IOWA—Dubuque**  
 Dubuque Harness & Sadd.  
 Co. (Bridles; Leather Hal-  
 ters) .....C  
**IOWA—Muscatine**  
 Van Nostrand Sadd. Co. ....B  
**IOWA—Sioux City**  
 Meyer Bros. ....B  
**IOWA—Waterloo**  
 Iowa Saddlery Co. ....C  
 Waterloo Sadd. Co. ....C  
**KANS.—Atchison**  
 Atchison Sadd. Co. ....B  
**KANS.—Ft. Scott**  
 Glunz, Jno. ....B  
**KANS.—Lawrence**  
 Herrman, Jno. (Collars) ..C  
**KANS.—Leavenworth**  
 Ackenhansen Bros. ....C  
**KANS.—Wichita**  
 Hays Sadd. & Leather Co.,  
 L. ....C  
**KY.—Louisville**  
 Floyd & Bohr ....C  
 Harbison & Cathright ....A  
 Kreiger & Miller ....C  
 Louisville Girth & Blanket  
 Mills (Girths) .....C  
 Louisville Sadd. Co. ....C  
**KY.—Paducah**  
 Rehkopf Sadd. Co., E. ....B  
**LA.—New Orleans**  
 Rice & Co., Louis P. ....B

# **SADDLERY & HARNESS**

Whitney-Sloo Co. ....B  
**MAINE—Portland**  
 Bailey Co., The Jas. ....C  
**MD.—Baltimore**  
 Day & Son Co., O. F  
 (Bridles) .....C  
 Lerch Bros .....A  
 McCauley, J. C. (Collars).D  
 O'Connor, T. J. ....C  
 Rose & Sons, P. ....B  
 Wilkins & Sons, B. ....B  
**MASS.—Concord Junction**  
 Boston Harness Co. ....A  
**MASS.—Holyoke**  
 Holyoke Belting Co.  
 (Leather Halters) ....C  
**MASS.—North Adams**  
 Dowlin, R. M. ....C  
**MASS.—Waltham**  
 Thompson Mfg. Co., J. ....A  
**MICH.—Albion**  
 Manning Harness Co. ....E  
**MICH.—Detroit**  
 Armstrong & Graham ...A  
 Pierson & Hough .....B  
**MICH.—Saginaw**  
 Morley Bros. ....AA  
**MINN.—Minneapolis**  
 Dodson-Fisher-Brockmann  
 Co. ....A  
**MINN.—St. Paul**  
 Hardenburgh & Co., P. R.  
 L. ....A  
 Konantz Sadd. Co. ....A  
**MO.—Carrollton**  
 Lindsay Bros. ....C  
**MO.—Kansas City**  
 Buford & George Mfg. Co.  
 C  
**MO.—St. Joseph**  
 Myeth Hdw. & Mfg. Co. ....AA  
**MO.—St. Louis**  
 Hayden Saddlery Hdw. Co.,  
 P. (Riding Bridles; Hal-  
 ters) .....A  
 Holthaus Sadd. Co., A. ...C  
 Homann Sadd. Co., W.  
 (Riding Bridles) .....B  
 Loeblein Collar & Whip Co.,  
 B. (Collars) .....B  
 Meyer, Bannerman & Co.  
 (Bridles; Halters) .AAAA  
 Sickles Sadd. Co., J. B. ....B  
 Sommers Bros. Mfg. Co.  
 (Collars) .....B  
 Strauss Sadd. Co., J. D.  
 (Halters) .....A  
**MO.—Springfield**  
 Herman Sadd. Co., F. C. ...C  
 Lovan Sadd. Co. ....B  
**NEBR.—Fremont**  
 Fremont Sadd. Co. ....D  
**NEBR.—Hastings**  
 Haney & Co., J. H. ....B  
**NEBR.—Lincoln**  
 Buckstaff Bros. Mfg. Co. ...  
 AAA  
 Harpham Bros. Co. ....B  
 Wittman & Co., H. ....C  
**NEBR.—Omaha**  
 Marks Bros. Sadd. Co. ...B  
 N. H.—Manchester  
 Ranno & Son, H. C. ....D  
 N. J.—Newark  
 Crabbe Harness Co. ....D  
 Peters Harness & Sadd. Co.  
 (Riding Bridles; Bridle  
 Leather; Web Halters).C  
 Tompkins & Mandeville...B  
 N. Y.—Bath  
 Bath Harness & Collar Co.  
 D  
 N. Y.—Binghamton  
 Persels & Mack .....C  
 N. Y.—Buffalo  
 Buffalo Weaving & Belt-  
 ing Co. (Web Bridles;  
 Web Halters) .....A  
 Smith & Son, J. H. (Collars)  
 C  
 N. Y.—Clyde  
 Brown Harness Wks., G. A.  
 E  
 N. Y.—Glens Falls  
 Peysers Collar Co. (Collars)  
 B  
 N. Y.—Oswego  
 King Harness Co. ....C  
 N. Y.—Rochester  
 Neidhardt & Co., O. ....C  
 Peters Bros. (Collars) ...D  
 N. Y.—Rome

**SADDLERY & HARNESS**  
 Barnard, Edward (Leather; Web Halters) .....C  
 Bingham Harness Co. ....D  
 N. Y.—Syracuse  
 Fraser & Jones Co. (Leather Halters) .....AA  
 N. Y.—Troy  
 Curtis & Co., M. G. ....D  
 Troy Harness Mfg. Co. ....E  
 N. Y.—Utica  
 Windhelm, Geo. ....C  
 N. Y.—Watervlelt  
 Covert Mfg. Co. (Leather; Rope; Web Halters) ...A  
 N. C.—Charlotte  
 Shaw Harness Co. ....C  
 N. DAK.—Fargo  
 Bristol & Sweet Co. ....C  
 North Dak. Harness Co. ....D  
 OHIO—Canton  
 Elbel Co. (Bridle; Halters) A  
 OHIO—Cincinnati  
 Engelke Sadd. Co. ....C  
 Graf, Morsbach & Co. ...A  
 Grossman & Hove Sadd. Co. A  
 Perkins-Campbell Co. (The) (Riding Brides) .....A  
 OHIO—Columbus  
 Buckeye Sadd. Co. ....C  
 Columbus Carriage & Harness Co. ....C  
 Meek & Co., J. W. ....B  
 Sells Co., J. H. & F. A. ....C  
 OHIO—New Berlin  
 Hoover, W. H. (Collars) .B  
 OHIO—New Philadelphia  
 Diffenbacher, Jno. T. (Collars) .....C  
 OHIO—Marietta  
 Strecker Bros. & Co. ....A  
 OHIO—Sidney  
 Given & Son, R. (Collars) B  
 OHIO—Stryker  
 Stryker Mfg. Co. ....C  
 OHIO—Toledo  
 Quinn, J. E. (Collars) ....C  
 OREGON—Portland  
 Lawrence Co., Geo. C. ....C  
 Sharkey Co., Jno. P. ....D  
 PA.—Canton  
 Gleckner & Sons Co., W. W. D  
 PA.—Easton  
 Sage & Co., H. A. ....C  
 PA.—Quakertown  
 Harley, J. S. ....A  
 PA.—Philadelphia  
 Keim Sadd. Co., Geo. De B. A  
 Kiehl, M. (Collars) .....C  
 PA.—Pittsburgh  
 Pittsburgh Harness Supply Co. ....C  
 R. I.—Providence  
 Rounds & Co., T. W. ....D  
 S. DAK.—Aberdeen  
 Foster, W. H. ....C  
 TENN.—Chattanooga  
 Southern Sadd. Co. ....A  
 TENN.—Knoxville  
 Karnes, J. Howard ....C  
 TENN.—Memphis  
 Bruce & Co., W. S. ....A  
 Hart Mfg. Co. ....B  
 Smith Sadd. Co., J. T. ...E  
 TENN.—Nashville  
 Buford Bros. ....A  
 Montgomery, Moore & Co. B  
 Nashville Sadd. Co. (Riding Brides) .....AA  
 Tenn. Harness Co. ....D  
 TEXAS—Dallas  
 Dodson Sadd. Co., E. C. ...D  
 Schoelkopf, G. H. ....A  
 Tenison Bros. Sadd. Co. ...A  
 TEXAS—Ft. Worth  
 James & Sons, T. R. ....B  
 Kellner-Durrett Sadd. Co. C  
 UTAH—Salt Lake City  
 Salt Lake Sadd. Co. ....D  
 VA.—Richmond  
 Cottrell Sadd. Co. ....E  
 Crump & Co., Benj. T. ....D  
 WASH.—Seattle  
 Seattle Harness & Sadd. Co. D  
 W. VA.—Moundsville  
 Bardall & Co., J. C. (Web Halters) .....B

**SADDLERY & HARNESS**  
 W. VA.—Parkersburg  
 Woodward Mfg. Co. ....D  
 WIS.—La Crosse  
 Medary Sadd. Co., J. S. ...C  
 WIS.—Madison  
 Madison Sadd. Co. ....D  
 WIS.—Milwaukee  
 Dyer Sadd. Co. ....C  
 Gem Hammock & Fly Net Co. (Rope Halters) ....A  
 Wallace, Smith & Co. ...A  
 Young Sadd. Co., Benj. ...B

## SADDLES

See also Saddlery

CONN.—Bridgeport  
 Bridgeport Gun Implement Co. (Bicycle) .....AA  
 CONN.—E. Hampton  
 Climax Mfg. Co. (Spring Wire) .....G  
 CONN.—Hartford  
 Jewell Pad Co. (Express Gig) .....AAA  
 CONN.—New Haven  
 Goodrich & Co., J. F. (Riding Side) .....AA  
 ILL.—Chicago  
 Barber Mfg. Co., A. O. 104 Lake (Bicycle) .....C  
 Beckley-Ralston Co., 161 Lake (Bicycle) .....C  
 Bunker Saddle & Specialty Co. (Bicycle) .....F  
 Haussmann & Dunn (Bicycle) .....C  
 Illinois Malleable Iron Co. (Pipe) .....AAAA  
 Kiper & Sons, L. Congress & Peoria (Bicycle) ...AA  
 Plew, James E. (Bicycle) .B  
 Sturgis & Burn Mfg. Co. (Bicycle) .....A  
 Western Leather Mfg. Co., 75 Wabash (Bicycle) ..D  
 ILL.—Freeport  
 Stover Mfg. Co. (Saddle) ..AA  
 ILL.—Quincy  
 Schott Saddlery Co. (Gig; Riding) .....AAA  
 IND.—Indianapolis  
 Holliday & Wyon Co. (Cart; Coupe; Express; Gig) ..A  
 IND.—Kokomo  
 Ulrich Mfg. Co. (Lace; Strap) .....E  
 IND.—Laporte  
 Lonn & Sons Co., J. (Bicycle) .....A  
 IND.—South Bend  
 Studebaker Bros. Mfg. Co. (Coupe; Express; Gig; Track) .....AAAA  
 IOWA—Des Moines  
 Des Moines Saddlery Co. (Riding Side) .....A  
 KY.—Louisville  
 Harblson & Gathright (Riding) .....AA  
 MASS.—Springfield  
 Brown, Henry A. (Bicycle) X  
 MASS.—Westboro  
 Hunt Leather Goods Co. (Bicycle) .....B  
 MICH.—Buchanan  
 Zinc Collar Pad Co. (Bicycle) .....D  
 MICH.—Detroit  
 Wheeler Mfg. Co. (Bicycle) D  
 MO.—St. Louis  
 Meyer, Bannermann & Co. (Express; Gig; Riding; Side) .....AAA  
 Straus Saddlery Co., Jacob (Express; Gig; Riding) .A  
 N. H.—Nashua  
 Nashua Saddlery Hdw. Co. (Express; Gig) .....B  
 N. J.—Newark  
 Meisselbach & Bro., A. F. (Bicycle) .....C  
 Newark Cycle Specialty Co. (Bicycle) .....X  
 Peters Harness Saddlery Co. (Cart; Coupe; Express; Gig; Hard Rubber Gig; Mexican; Side; Track) ..C

**SADDLES (Con.)**

Rubber & Celluloid Harness  
Trimming Co. (Coupe;  
Express; Glg) .....AA  
Sargent Mfg. Co. (Hard  
Rubber Glg) .....A  
Smith Bros. (Express; Rid-  
ing) .....F  
N. Y.—Buffalo  
Scamber & Sons, S.  
(Express) .....F  
New York City  
Abercrombie & Fitch, 314  
B'way (Pack) .....C  
Cole & Co., G. W., 141  
B'way (Bicycle) .....D  
Luqueer Co., R. S. (Riding)  
B  
Mesinger Bicycle Saddle  
Co., 1318 Av. A. (Bicycle)  
X  
Smith, Worthington & Co.  
(Riding) .....B  
N. Y.—Rochester  
Sager Gear Co. (Bicycle)...X  
N. Y.—Syracuse  
Frazer & Jones Co. (Ex-  
press; Glg) .....AA  
OHIO—Canton  
Gilliam Mfg. Co. (Coupe;  
Express; Glg; Strap Bicy-  
cle) .....A  
OHIO—Cincinnati  
Graf, Morsebach & Co.  
(Riding Side) .....AA  
Perkins-Campbell Co.  
(Riding) .....AA  
OHIO—Cleveland  
Federal Mfg. Co. (Bicycle)  
AAAA  
OHIO—Dayton  
Dayton Malleable Iron Co.  
(Malleable Iron Car Roof  
for Running Board)...AAA  
OHIO—Elyria  
Topliff & Ely Co. (Bicycle)  
D  
OHIO—New Berlin  
Hoover, W. H. (Cart;  
Coupe; Express; Glg; Rid-  
ing; Strap; Track)....A  
OHIO—Sabina  
Tener Mfg. Co., J. B. (Ex-  
press) .....F  
OHIO—Springfield  
Kirkpatrick Saddle Co.  
(Bicycle) .....X  
OHIO—Toledo  
Harris Toy Co. (Bicycle)...B  
OHIO—Wooster  
Standard Coach Pad Co.  
Cart; Coupe; Express;  
Glg) .....C  
PA.—Erie  
Reed Mfg. Co. (Pipe)....A  
PA.—Philadelphia  
Berger Bros. & Co., 231  
Arch (Extension) .....A  
Rosenblatt & Co., H. M.,  
22nd & Oxford (Bicycle)  
A  
PA.—Pittsburg  
Best Mfg. Co. (Pipe) ...AA  
Kelly & Jones Co., 135  
Water (Pipe) .....AA  
PA.—Quakertown  
Harley, J. S. (Glg) ...AA  
E. I.—Bristol  
Dixon Lubricating Saddle  
Co. ....B  
TENN.—Nashville  
Nashville Saddlery Co.  
(Express; Riding) ...AA

**SAFEGUARDS:****SHAFT**

ILL.—Chicago  
Allis-Chalmers Co....AAAA  
PA.—Wilkesbarre  
Vulcan Iron Wks. ....AAAA

**SAFES**

See also Vaults; Furniture

CONN.—Waterbury  
Scovill Mfg. Co. (Match)...AAAA

ILL.—Chicago  
Chicago Scale Co., 292 Jack-

**SAFES (Con.)**

son (Fire; Burglar Proof)  
A  
National Recording Safe  
Co., 197 Wabash Av....E  
MO.—Kansas City  
Kansas City Furniture Co.,  
9th & Walnut (Fire;  
Burglar Proof; Screw,  
Round Door Bank) .....C  
N. Y.—Brooklyn  
New York Stamping Co.  
(Match) .....A  
N. Y.—Buffalo  
Shepard & Co., Sidney  
(Match) .....AAAA  
New York City  
Herring-Hall-Marvin Safe  
Co., 400 B'way (Fire;  
Burglar Proof) .....B  
Howard & Morse, 45 Ful-  
ton (Provisions) .....D  
Peck, Stow & Wilcox Co.,  
27 Murray (Match).....AAAA  
Remington & Sherman Co.,  
23 Park Place (Fire;  
Burglar Proof) .....AA  
Russell & Erwin Mfg. Co.,  
43 Chambers (Match) ....AAAA  
Sargent & Co., 151 Leonard  
(Match) .....AAAA  
OHIO—Canton  
Diebold Safe & Lock Co.  
(Fire; Burglar Proof)  
AAA  
OHIO—Cincinnati  
Halls' Safe Co., Spring  
Grove Av. (Fire; Burglar  
Proof; Bank; Patent  
Screw Door; Vault) ...A  
Littleford Bros., 453 E.  
Pearl (Receiving) .....B  
Victor Safe & Lock Co., 9th  
& B'way (Fire; Burglar  
Proof) .....A  
OHIO—Cleveland  
National Safe & Lock Co.,  
Craw Av. & C. & P. R. R.  
(Fire; Burglar Proof)...A  
OHIO—Hamilton  
Mosler Safe Co. (Fire; Burg-  
lar Proof) .....AAAA  
OHIO—Ravenna  
Williams, A. C. (Match)...A  
PA.—Pittsburg  
Barnes Safe & Lock Co.,  
325 3rd Av. (Fire; Burg-  
lar Proof) .....X  
PA.—Reading  
Reading Hdw. Co. (Match)  
AAAA

**SAFFRON**

New York City  
Lehn & Fink (Valencia)...AAA  
Schieffelin & Co. (Spanish)  
AA

**SAGO**

New York City  
Androvette, E. E., 250 Front  
D  
Archibald & Lewis, 193  
Front .....C  
Fuerst Bros. & Co., 2 Stone  
D  
Pulsford, A. J., 97 Water.F

**SAILS**

CAL.—San Francisco  
Ames & Harris (Inc.) ...A  
Braun & Prior .....C  
Doyle, J. J. ....C  
Henrix, C. ....C  
ILL.—Chicago  
Carpenter & Co., Geo. B.  
(Yacht) .....AA  
Channon & Co., H., Market  
& Randolph .....AA  
LA.—New Orleans  
Gerdes & Bro., A. ....X  
MAINE—Bangor  
Currier & Hook .....F  
MAINE—Portland  
Fowler, J. & J. ....E  
Lincoln & Allen .....D  
MAINE—Thomaston

**SAILS (Con.)**  
 Dunn & Elliott Co. ....B  
 MD.—Baltimore  
 Hooper & Co. ....B  
 Mitchell & Co., Z. ....E  
 Nicholson & Son, Jas. A..C  
 Sisco Bros. ....C  
 Stevenson & McGee (Yacht) F

**MASS.—Boston**  
 Cousens & Pratt (Yacht).F  
 Lamprell & Marble .....F  
 Matthews & Co., Geo. ...C  
 Wilson & Silsby (Yacht)..O  
**MASS.—Fall River**  
 Gifford, John B. (Yacht).E  
 McClellan, Chas. P. (Yacht) F

**MASS.—Gloucester**  
 Rowe & Son, E. L. ....D  
**MASS.—Newburyport**  
 Davis, Benj. G. ....F

**MICH.—Detroit**  
 Goss & Co., J. C. (Yacht).C  
 MO.—St. Joseph  
 Kloss Mfg. Co. ....C

**MO.—St. Louis**  
 Zittlosen Mfg. Co. ....B  
 New York City  
 De Grauw, Aymar & Co.

(Canoe) .....AA  
 Harrison, John (Yacht)...D  
 Hemmenway & Son, S.  
 (Yacht; Canoe) .....C

Holly & Son, N. (Canoe)..F  
 Hopkins & Co., John O....C  
 Hutchings Bros. ....B  
 Magee & Son, M. ....C

Sawyers & Sons, John M..C  
 Shaw Co. ....C  
 Wilson & Griffin (Yacht).D  
 N. Y.—Port Jefferson  
 Wilson, F. M. (Yacht)....F

**N. Y.—Rochester**  
 Bickford Bros. ....C  
 Field Co., James ....B  
**OHIO—Cincinnati**

Ryling & Son, John ....C  
**OHIO—Cleveland**  
 Upson-Walton Co. (Yacht; Canoe) .....A

**OHIO—Toledo**  
 Hettick Bros. Co.....A  
 Wilson Co., M. I. ....A  
**OREGON—Portland**

Noon-Bay Co., W. C. ....A  
 R. I.—Providence  
 Pease Co., L. F. (Yacht)..E  
**WIS.—Milwaukee**  
 Jays Bros. & Co. ....B

## SALACIN

New York City  
 Boehringer & Soehne, C. F. A

## SALAMANDO- RITE

New York City  
 Johns-Manville Co., H. W.,  
 100 William (a new fire-  
 proof panelling for interior  
 decorative work)...AAAA

## SAL- AMMONIAC

N. Y.—Brooklyn  
 Wiarda & Co., Jno. C....AA  
 N. Y.—Buffalo  
 Schoelkoff, Hartford & Han-  
 na .....AAA  
 New York City  
 Fuerst Bros. & Co. ....D  
 Graselli Chemical Co. ....AAAA

Klipstein & Co., A. ....AA  
 Phair, R. W. ....F  
 Roessler & Hasalacher  
 Chemical Co. ....AA  
**PA.—Philadelphia**  
 Jordan, W. H. & F., Jr., 127  
 N. Water .....AA

## SALASEE

New York City  
 Weeks & Bro., Chas. R.,  
 542 W. 14th .....A

## SAL- EMIXUM

New York City  
 Church & Dwight Co..AAAA  
 General Chem. Co. ....AAAA  
 Jones Chem. Co., Enos F..B

## SALERATUS

See Soda

## SALINO- METERS

**MASS.—Boston**  
 Amer. Steam Gauge & Valve  
 Mfg. Co. ....A  
 New York City  
 Ashcroft Mfg. Co. ....A

## SALMON

See Canned Goods; Fish

## SALT

For Celery Salt see Con-  
 dimenta

**CAL.—Haywards**  
 Haywards Lumber Co. ...A  
**CAL.—San Diego**  
 Western Salt Co. ....A

**CAL.—San Francisco**  
 Amalgamated Salt Co.,  
 Mills Bldg. ....B  
 Continental Salt & Chemical  
 Co., Mills Bldg. ....B

Dairymen's Union of Calif.,  
 124 Davis .....A  
 Federal Salt Co., Mills  
 Bldg. ....A

Gets Bros. & Co., 111 Cali-  
 fornia .....AAAA  
 Kittle & Co., 202 Califor-  
 nia .....AAA

Rhodes Salt & Borax Co.,  
 Mills Bldg. ....B  
**DEL.—Wilmington**  
 Phillips-Thompson Co.  
 (Mfrs.' Agts.) .....B

**ILL.—Bement**  
 Camp, J. M. ....B  
**ILL.—Bloomington**  
 Eardice, J. M. ....B

Parker Bros. ....A  
**ILL.—Cairo**  
 Halliday, W. B. (Est.)...  
 AAAA

**ILL.—Chicago**  
 International Salt Co., Pier  
 No. 1 .....AA  
 Kingman Salt Mining Co.,  
 85 S. Water .....A

Moulton & Co., F. D., 169  
 Jackson Boul. ....A  
 United Salt Co., 84 Adams  
 AAA

**ILL.—Quincy**  
 Williamson, H. A. ....A  
**ILL.—St. John**  
 Ill. Central Coal & Salt Co.  
 A

**KANS.—Hutchinson**  
 Hutchinson Kansas Salt Co.  
 AA  
 Morton Salt Co. ....A

Union Ice & Salt Co. ...B  
**KANS.—Kingman**  
 Easley Salt Co. ....C  
 Kingman Salt Mining Co.  
 A

**KANS.—Sterling**  
 Sterling Salt Co. ....B  
**KY.—Louisville**  
 Jefferson & Co., 101 W.  
 Main .....A

Speed & Co., J. B. ....AA  
**LA.—New Orleans**  
 Jackson & Kilpatrick .AAA  
 Manson Bros., 111 Tchoup  
 AA

Myles Salt Co., 100 Com-  
 mon .....AAA  
**LA.—Weeks Island**  
 Myles Salt Co. ....AAA

**MAINE—Bath**  
 Houghton Bros. ....A  
**MAINE—Portland**  
 Pearce & Co., S. F., 118

# SALT (Con.)

Coml. ....C  
 Norton-Chapman Co. ....B  
**MD.—Baltimore**  
 Bonday & Co., Jas. Jr.,  
 304 Mcht. Bk. Bldg....A  
 Kerr Bros. & Co., 303 Exch.  
 Place .....AAA  
**MASS.—Boston**  
 Eastern Salt Co., 186 State  
 B  
 Lyon, Dupuy & Co., Carle-  
 ton Wharf .....AA  
**MASS.—Gloucester**  
 Perkins & Son, Geo. ....A  
 Pew & Son, J. ....AAA  
**MICH.—Algonac**  
 Walton Salt Association  
 (Ltd.) .....B  
**MICH.—Bay City**  
 Eddy Bros. & Co. ....AAAA  
 Michigan Salt Assn. ....A  
 North American Chemical  
 Co. ....AAAA  
 Peters, Wm. ....AAAA  
 Rouse, W. B. ....C  
 Woodworth & Co., F. F. ..C  
**MICH.—Buttersville**  
 Butters Salt & Lumber Co.  
 4  
**MICH.—Delray**  
 Delray Salt Co. ....A  
**MICH.—Detroit**  
 Brownlee & Co. ....A  
 Detroit Salt Co., Butler  
 Bldg. ....A  
 Hiawatha Salt Co., Campau  
 Bldg. ....B  
 Peninsular Salt Co., Ham-  
 mond Bldg. ....B  
 River Rouge Salt Co., Mof-  
 fat Bldg. ....C  
 Walton Salt Assn. (Ltd.),  
 Hammond Bldg. ....B  
**MICH.—Ecorse**  
 Tecumseh Salt Co. ....A  
**MICH.—Filer City**  
 Filer & Sons .....AAAA  
**MICH.—Manistee**  
 Canfield Salt & Lumber Co.  
 AA  
 Union Lumber & Salt Co...C  
**MICH.—Marine City**  
 Crystal Lake Salt Co. ...C  
**MICH.—Menominee**  
 Carpenter, Cook & Co....  
 AAAA  
**MICH.—Port Huron**  
 Port Huron Salt Co. ....B  
**MICH.—River Rouge**  
 Brownlee & Co. ....B  
 Salliate & Furgason ....A  
**MICH.—Saginaw**  
 Bliss, A. T. ....AA  
 Bliss & Van Aukin .AAAA  
 Brand & Hardin .....B  
 Central Lumber Co. ....A  
 Eddy & Sons, C. K. ....AA  
 Hardin Co., D. ....C  
 Merrill & Co., C. ....AAAA  
 Merrill, Ring & Co. ....AA  
 Mershon, Schuette, Parker  
 & Co. ....AAA  
 Michigan Salt Assn. ....A  
 Saginaw Lumber & Salt Co.  
 AA  
**MICH.—St. Clair**  
 Diamond Crystal Salt Co..B  
 Thompson Bros. ....B  
**MICH.—Trenton**  
 Kelly, W. N. ....B  
**MICH.—West Bay City**  
 Kern Mfg. Co. ....C  
 North Amer. Chemical Co.  
 C  
**MO.—Boonville**  
 Meierhoffer, O. ....C  
**MO.—St. Louis**  
 Bevis Rock Salt Co., 421  
 Olive .....A  
 Ewing Salt Co., J. F., Cham-  
 of Commerce .....B  
 Haase & Sons, A. C. L., 415  
 N. 2nd .....A  
**NEV.—White Plains**  
 Crystal Salt Co. ....C  
**N. Y.—Albany**  
 Wooster, S. C. ....B  
**N. Y.—Alfred**  
 Reynolds, C. D. ....A  
**N. Y.—Brooklyn**  
 Bursch, F. J. W., 431  
 Hamilton .....R

# SALT (Con.)

Hoag, Werner & Co., 2  
 Taylor .....C  
**N. Y.—Buffalo**  
 Baker & Co., H. H., 18  
 Terrace .....B  
 Iroquois Salt Co., Pruden-  
 tial Bldg. ....C  
**N. Y.—Ithaca**  
 National Salt Co. ....AAAA  
**N. Y.—Lo Roy**  
 Empire State Salt Co.....B  
**N. Y.—Livonia Station**  
 Retsof Mining Co. ....AAAA  
 New York City  
 Ferris & Co., E., 185 Wash-  
 ington .....B  
 Genesee Salt Co., 6 Harrison  
 A  
 Hansen & Dieckmann, 368  
 Washington .....AA  
 Matilage & Sons, C. F., 335  
 Greenwich .....AAA  
**OHIO—Cincinnati**  
 Creasey's Sons, W. D. ....C  
**OHIO—Cleveland**  
 Cleveland Salt Co., 2nd &  
 Central Av .....B  
 Colonial Salt Co., 480 Arcade  
 A  
 Union Elevator Co., 197  
 Merwin .....B  
**OHIO—Columbus**  
 Mich. Salt Assn., Clinton  
 Bldg. ....A  
**OHIO—Pomeroy**  
 Coal Ridge Salt Co. ....C  
**OHIO—Wadsworth**  
 Ohio Salt Co. ....A  
 Wadsworth Salt Co. ....B  
**PA.—Allegheny**  
 Beck & Co., J. A. ....A  
**PA.—Altoona**  
 Hauser & Son, C. ....B  
**PA.—Lancaster**  
 Weill, H. ....B  
**PA.—Natrona**  
 Pa. Salt Mfg. Co. ....AAAA  
**PA.—Parkersburg**  
 Walter, B. ....B  
**PA.—Philadelphia**  
 Kerr Bros. & Co., Alex., 516  
 N. Del. Av. ....AAA  
 Pa. Salt Mfg. Co., 332 S.  
 Del. Av. ....AAAA  
 Somers, H. S., 40 N. Del-  
 Av. ....B  
**PA.—Pittsburg**  
 Pa. Salt Mfg. Co., 223  
 Water .....AAAA  
**PA.—Scranton**  
 Retsof Mining Co., Common-  
 wealth Bldg. ....AAAA  
**R. I.—Providence**  
 Andrews & Son, S. D....B  
 Reliance Mill Co. ....AA  
 Sweet, J. H. & J. B....C  
**TEXAS—Memphis**  
 Speed & Co., J. K. ....B  
**TEXAS—Colorado**  
 Colorado Salt Co. ....D  
 Lone Star Salt Co. ....A  
**TEXAS—Galveston**  
 Parr & Co., W. ....A  
**TEXAS—Grand Saline**  
 Fielder Salt Co. ....B  
 Grand Saline Salt Wks...A  
 Lone Star Salt Co....A  
**UTAH—Salt Lake City**  
 Inland Crystal Salt Co.  
 (Impts.) .....B  
**W. VA.—Hartford**  
 Hartford City Salt Co....C  
**W. VA.—Malden**  
 Dickinson & Co., J. Q....AA  
**WIS.—Green Bay**  
 Hurlbut, Frederick .....B  
**WIS.—Manitowoc**  
 Manitowoc Land & Salt Co.  
 B  
**WIS.—Milwaukee**  
 Ludington Salt Co., Wells  
 Bldg. ....B  
**WIS.—Stevens Point**  
 Conps, E. M. ....A  
**WIS.—Watertown**  
 Gorden Co., W. ....O

# SALTERS; STOCK

IOWA—Lone Tree

**SALTERS: STOCK**  
Monarch Grubber Co. ....B

## SALTPETRE

**ILL.—Chicago**  
Chicago Hydraulic Press  
Brick Co. ....B  
**MD.—Baltimore**  
McCormick & Co. ....D  
Sonneborn Sons, L., 801 S.  
Wolfe (Refined) .....C  
**New York City**  
Archibald & Lewis, 198  
Front .....C  
Baker & Bro., H. J., 100  
William .....AA  
Battelle & Renwick, 163  
Front .....AAAA  
Croton Chem. Co., 20 Cedar  
A  
Jones Chemical Co., Enos F.,  
51 Jay .....C  
Knowles Bros. Co., 181  
Pearl (Crystal; Granu-  
lated; Pulverized) .....D  
**OHIO—Newark**  
Styron, Beggs & Co. ....A  
**PA.—Philadelphia**  
Jordan, W. H. & F., Jr., 127  
N. Water (Refined) ..AA

## SALTS

**CAL.—San Francisco**  
Selby Smelting & Lead Co.  
(Copper) .....AAA  
**COLO.—Denver**  
Western Chem. Mfg. Co.  
(Lime; Medicinal; So-  
dium) .....AA  
**DEL.—Wilmington**  
Atlantic Dynamite Co.  
(Ammonia) .....AAA  
**D. C.—Washington**  
Neely Electric Construction  
Supply Co. (Soldering) ..X  
**ILL.—Aurora**  
Jobbins, Wm. F. (Glaubers)  
A  
**ILL.—Chicago**  
Crescent Co., 134 Van  
Buren (Soldering) .....F  
Grant Hygienic Baking Pow-  
der Co., 25 S. Desplaines  
(Sodium) .....B  
Hutchinson & Son, W. H.  
(Inc.) (Magnesium; Med-  
icinal; Sodium) .....A  
Kester Electric Mfg. Co.,  
251 S. Jefferson (Solder;  
Self-Fluxing; Drop or  
Stick) .....D  
Liquid Carbon Acid Mfg.  
Co. (Mineral Water) .....AAAA  
**MD.—Baltimore**  
Davison & Co., Wm. (Medi-  
cinal; Potassium) .....C  
Schultz & Co., 1016 E. Bal-  
to, (Fluid Soldering) ..A  
Sharp & Dohme (Medicinal)  
AAA  
Sonneborn's Sons, L., 801 S.  
Wolfe (Glaubers) .....C  
Thomsen Chemical Co.  
(Glaubers; Epsom) ....B  
**MASS.—Boston**  
Ashley & Co., T. C., 145  
Milk (Soldering) .....X  
Billings, Clapp & Co. (Am-  
monia; Ammonium; Anti-  
mony; Copper; Iron;  
Lead; Lime; Magnesium;  
Manganese; Lithium; So-  
dium; Zinc; Platinum; Po-  
tassium) .....B  
Cochrane Chemical Co., 640  
Carr (Glaubers) .....AA  
**MASS.—Chelsea**  
Hecla Compressed Gas Co.  
(Barium; Magnesium;  
Zinc) .....E  
**MASS.—New Bedford**  
Davis Chem Wks., Henry  
V. (Potassium) .....F  
**MIOH.—Detroit**  
Acme White Lead & Color  
Wks. (Lime) .....AAA  
Michigan Ammonia Wks.  
(Ammonia) .....A  
Michigan Carbon Wks. (Am-  
monia; Lime) ..AAAA

**SALTS (Con.)**  
Parke, Davis & Co.  
(Medicinal) .....AAAA  
Seely Mfg. Co. (Mineral  
Water; Smelling) .....C  
Thompson & Co., F. A. (Hy-  
drastine; Barberine) ...B  
**MO.—St. Louis**  
Chisholm & Co., A., 2472  
Madison (Fluid Soldering)  
F  
Herf & Frerichs Chem. Co.  
(Mercury; Strontium;  
Platinum) .....A  
Larkin & Scheffer Chem.  
Co. (Potassium) .....A  
Mallinckrodt Chem. Wks.  
(Ammonia; Ammonium;  
Antimony; Barium; Bis-  
muth; Cadmium; Calcium;  
Iron; Lead; Lime; Lith-  
ium; Manganese; Mer-  
cury; Strontium; Silver;  
Zinc; Platinum; Potass-  
ium) .....AAAA  
Pope Chemical Co., Wm. C.  
(Effervescent) .....D  
**N. J.—Newark**  
Butterworth & Judson Co.  
Copper; Iron; Tin) ....B  
Hanson & Van Winkle Co.  
(Nickel) .....AA  
Listers Agr. Chem. Works  
(Ammonia) .....AAAA  
Schneider, Emil, 541 Riv-  
erside Av. (Soldering) ..E  
**N. Y.—Binghamton**  
Bayless & Berkalew (Lime)  
AA  
**N. Y.—Brooklyn**  
Columbia Chem. Wks.  
(Ammonia) .....B  
Wiarda & Co., John C.  
(Ammonia; Antimony;  
Barium; Calcium;  
Chrome; Cobalt; Copper;  
Iron; Lead; Lime; Nickel;  
Manganese; Silver; So-  
dium; Tin; Zinc; Potass-  
ium) .....AA  
**N. Y.—Buffalo**  
Larkin Soap Mfg. Co.  
(Smelling) .....AAAA  
**N. Y.—Hudson**  
Benson, A. R. (Smelling).F  
**New York City**  
Baker & Bro., H. J.  
(Potassium) .....AA  
Battelle & Renwick  
(Potassium) .....AA  
Berlin Aniline Wks., 213  
Water (Aniline) .....B  
Boehringer & Sons, C. F.  
(Quinine) .....A  
Callahan & Co., Geo., 218  
Front (Fluid Soldering).F  
Chaskel Chem. Wks. (Inc.)  
(Medicinal) .....X  
Church & Dwight Co.  
(Sodium) .....AAAA  
Cooper & Co., Chas. (Am-  
monium; Antimony; Cad-  
mium; Calcium; Ethyl;  
Copper; Iron; Lead; Mag-  
nesium; Nickel; Medicin-  
al; Silver; Sodium; Tin;  
Platinum; Potassium) AA  
De Ronde & Co., Abraham  
(Antimony; Copper; Iron;  
Lead; Sodium; Tin; Zinc)  
A  
Durkee & Co., E. R.  
(Potassium) .....AA  
Feuchtwanger & Co., L.  
(Barium; Copper; Lime;  
Manganese; Mercury;  
Nickel; Silver; Sodium;  
Potassium) .....B  
General Chemical Co., 25  
Broad (Solutions; Solder-  
ing; Ammonia; Antimony;  
Copper; Iron; Lime; Medi-  
cinal; Sodium; Tin; Zinc)  
AAAA  
Heller, Hirsch & Co. (Double  
Manure) .....AA  
Jones Chem. Wks., E. F.  
(Lime; Potassium) ....B  
Klipstein & Co., A.  
(Chrome) .....AA  
McKesson & Robbins (Am-  
monia; Lead; Magnesium;  
Medicinal; Quinine; Po-



## SALTS (Con.)

tasslum) .....AAAA  
 Manhattan Electrical Supply  
 Co., 38 Cortlandt (Solder-  
 ing) .....AA  
 Matheson & Co., Wm. J.  
 (Ltd.) (Sodium) .....A  
 N. Y. Quinine & Chem.  
 Wks. (Ltd.) (Iron; So-  
 dium; Quinine; Potass-  
 ium) .....A  
 Pfizer & Co., Chas. (Mer-  
 cury; Medicinal) .....AAAA  
 Reade Mfg. Co., 542 W.  
 22nd (Fluid Soldering) .X  
 Ricksecker Co., Theo.  
 (Smelling; Medicinal) .C  
 Roessler & Hasslacker  
 Chem. Co. (Sodium; Qui-  
 nine; Potassium) .....AA  
 Salmon & Co., H. H.  
 (Doble Manure) .....AA  
 Schleffelin & Co., W. H.  
 (Medicinal; Potassium;  
 Quinine) .....AA  
 Schultze Co., A. H., 198  
 W. B'way (Mineral Wa-  
 ter) .....X  
 Sholes Co., C. E.  
 (Glaubers) .....X  
 U. S. Electro-Chemical Co.,  
 80 Elm (Electro-Plating)  
 F  
 Williamson & Co., D. D.  
 (Lime; Sodium) .....B  
 Wing & Evans (Sodium)..  
 AAA  
 Zucker, Levett & Loeb Co.  
 (Potassium) .....A  
 N. Y.—Rochester  
 Standard Electric Construc-  
 tion Co., 14 N. Water  
 (Paste; Soldering) .....F  
 N. Y.—Syracuse  
 Solvey Process Co. (Cal-  
 cium; Sodium) .....AAAA  
**OHIO—Butler**  
 Hubbs Mfg. Co. (Soldering  
 Paste) .....G  
**OHIO—Cincinnati**  
 American Chemical Co.  
 (Glaubers) .....C  
**OHIO—Cleveland**  
 Grasselli Chemical Co., 184  
 Arcade (Soldering; Am-  
 monium; Copper; Iron;  
 Medicinal; Sodium; Zinc)  
 AAAA  
 Lennox Chemical Co.  
 (Epsom) .....B  
 Paragon Insulating Co.,  
 Erie R. R., near Forest  
 (Soldering) .....X  
**OHIO—Dayton**  
 Sachs-Pruden Ginger Ale  
 Co. (Mineral Water) ..D  
**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred. J.  
 (Shaker) .....B  
**OHIO—Newark**  
 Stryon-Beggs Co. (Head-  
 ache) .....A  
**PA.—Ambler**  
 Keasby & Mattison Co.  
 (Magnesium; Medicinal)..  
 AAAA  
**PA.—Connellsville**  
 Highland Electro-Chem.  
 Mfg. Co. (Insulating; Sol-  
 dering; Paste) .....X  
**PA.—Easton**  
 Baker & Adamson Chemical  
 Co. (Ammonium; Barium;  
 Bismuth; Cadmium; Cal-  
 cium; Chrome; Cobalt;  
 Copper; Iron; Lead; Mag-  
 nesium; Manganese; Mer-  
 cury; Nickel; Silver; So-  
 dium; Tin; Zinc; Potass-  
 ium) .....A  
**PA.—Erie**  
 Watson Co., H. F. (Ammo-  
 nium) .....AAA  
**PA.—Philadelphia**  
 Ammonia Co. of Phila.  
 (Tin; Potassium) .....A  
 Drueding Bros. Co. (Mag-  
 nesium; Medicinal) ..AA  
 Hance Bros. & White  
 (Magnesium) .....AA  
 Husband, Thos. J., Jr.  
 (Magnesium) .....B  
 Kallon Chem. Co. (Sodium;

## SALTS (Con.)

Potassium) .....AA  
 Penna. Salt Mfg. Co. (Cop-  
 per; Iron; Manganese;  
 Medicinal; Sodium; Zinc)  
 AAAA  
 Phila. Quartz Co. (Sodium)  
 AA  
 Phillips & Jacob (Silver)..
 Powers - Weightman - Ros-  
 engarten Co. (Ammonia;  
 Ammonium; Antimony;  
 Barium; Calcium; Copper;  
 Ethyl; Glaubers; Iron;  
 Lead; Lithium; Magne-  
 sium; Mercury; Mangan-  
 ese; Medicinal; Silver  
 Sodium; Tin; Zinc; Po-  
 tassium; Bismuth; Qui-  
 nine) .....AAAA  
 Savage, Mahlon L. (Medi-  
 cinal; Sodium) .....E  
 Twitchell C. S. (Ammo-  
 niuh) .....A  
 Vail Bros. (Medicinal) ...C  
**UTAH—Salt Lake City**  
 Western Drug & Mfg. Co.  
 (Effervescent) .....E

## SALVE

**MINN.—Minneapolis**  
 Chemical Mfg. Co. (Animal)  
 X  
**OHIO—Tiffin**  
 Flack, J. J. (Corn) .....B  
**TEXAS—Dallas**  
 Patton-Worsham Drug Co.  
 (Eye) .....A  
**WIS.—Berlin**  
 Hawley, C. D. (Corn) ...D  
**WIS.—Black River Falls**  
 Cole & Co., J. W. (Carbolic)  
 B

## SAMPLERS:

### GRAIN

New York City  
 Kohlbusch, Herman .....B  
 Russell & Erwin Mfg. Co.  
 AAAA

### SAND

**DEL.—Wilmington**  
 Warner Co., Chas. (Silica)  
 AA  
**ILL.—Chicago**  
 Garden City Sand Co., 188  
 Madison (Moulding or  
 Foundry; Silica; also  
 White; Standard for Ce-  
 ment Testing) .....A  
 Lake Shore Sand Co., 188  
 Washington (Moulding;  
 Foundry) .....B  
 Preston & Co., D. H., 4 W.  
 Harrison (Moulding;  
 Foundry) .....B  
 U. S. Silica Co., The Book-  
 erry (Silica) .....B  
**ILL.—Ottawa**  
 Ottawa Silica Co. (Foundry;  
 Glass) .....B  
**IND.—Terre Haute**  
 American Asbestos Co.  
 (Asbestos) .....D  
**KY.—Newport**  
 Newport Sand Bank Co.  
 (Moulding; Foundry) ...X  
**MASS.—Boston**  
 Presbrey Stove Lining Co.  
 (Fire) .....B  
 Waldo Bros., 102 Milk  
 (Moulding; Foundry)AAA  
**N. J.—Bridgeton**  
 Crystal Sand Co. (Glass-  
 makers') .....B  
 Vineland Glass Sand Co.  
 (Glassmakers') .....G  
**N. J.—Jersey City**  
 Gautier & Co., J. H. (Fire)  
 AA  
**N. J.—So. Vineland**  
 Bidwell, R. O. (Glass-  
 makers') .....E  
**N. Y.—Brooklyn**  
 New York Sand & Facing  
 Co. (Moulding; Foundry).  
 D  
 Wiarda & Co., John C.  
 (Glassmakers') .....AA

## SAND (Con.)

**New York City**  
Maurer & Son, Henry, 420  
E. 23rd (Fire) .....AA  
Whitehead Bros. Co., 537  
W. 27th (Moulding; Foundry) .....AA  
**N. Y.—Troy**  
Ostrander Fire Brick Co.  
(Fire) .....A  
**N. Y.—Waterford**  
Evers, Jno. (Moulding;  
Foundry) .....E  
**OHIO—Cincinnati**  
Obermeyer Co., S., 647  
Evans (Moulding; Foundry; Fire) .....AA  
Tygart Fire Brick Co., 406  
Burns (Fire) .....C  
**OHIO—Cleveland**  
Shepard, J. J., 35 River  
(Fire) .....A  
Smith Foundry Supply Co.,  
J. D., 40 S. Water  
(Moulding; Foundry; Fire) .....D  
Standard Sand & Mach. Co.,  
1434 Superior (Moulding;  
Foundry) .....C  
**OHIO—Conneaut**  
Gordon, F. E. (Moulding;  
Foundry) .....D  
**PA.—Danville**  
Keystone Moulding Sand  
Co. (Moulding; Foundry) .....A  
**PA.—Philadelphia**  
Haedrick, E. M., Mariner  
& Merchants' Bldg.  
(Moulding; Foundry; Silica; Fire) .....X  
Paxson Co., J. W., 1021  
N. Del. Av. (Moulding;  
Foundry; Fire) .....AA  
**PA.—Pittsburg**  
Harbison-Walker Refractor-  
ies Co., Farmers' Bk.  
Bldg. (Fire) .....AAAA  
Pa. Glass Sand Co., 341 4th  
Av. (Glassmakers'; White  
Rock Silica) .....AAA  
**PA.—Reading**  
Temple Sand Co. (Silica).D  
**PA.—Valley Forge**  
Bean, Francis M. (Silica  
for Furnaces, etc.).....H

## SANDERS

**MD.—Baltimore**  
Economy Locomotive Sander  
Co., 15 S. Charles (Loco-  
motive) .....X  
**MASS.—Boston**  
Austin & Eddy, 117 Broad  
(Moulding) .....C  
**MO.—St. Louis**  
Western Railway Equip-  
ment Co., Union Trust  
Bldg. (Mudd; Pneumatic;  
Locomotive; Track) ....A  
**New York City**  
Reilly Bros. (Painters')...D  
**OHIO—Cincinnati**  
Powell Co., Wm., 2529  
Spring Grove Av. (Loco-  
motive) .....A

## SANDSTONE

**COLO.—Denver**  
American Granite & Sand-  
stone Co. ....X  
**N. H.—Pike**  
Pike Mfg. Co. ....A  
**OHIO—Toledo**  
Toledo Stone & Glass Sand  
Co. ....X  
**PA.—Ridgway**  
Ridgway Sandstone Co....B

## SANTONIN

**MASS.—Boston**  
Billings, Clapp & Co.....B  
**MO.—St. Louis**  
Larkin & Scheffer Chemical  
Co. ....A  
Mallinckrodt Chem. Wks...  
AAAA  
**New York City**  
N. Y. Quinine & Chemical  
Wks. (Ltd.) .....A

## SAPPERS

**MICH.—Kalamazoo**  
Hill & Co., W. E. (Shingle)  
D  
**N. Y.—Lockport**  
Trevor Mfg. Co. (Shingle).B  
**VT.—Montpelier**  
Lane Mfg. Co. (Shingle)...A  
**WIS.—Eau Claire**  
Phoenix Mfg. Co. (Shingle)  
A  
**WIS.—Milwaukee**  
Filler & Stowell Co. (Ltd.)  
(Shingle) .....AAA

## SAPPHIRES

See Jewelry

## SARDINES

See Canned Goods; Fish

## SARSA- PARILLA

**CONN.—Seymour**  
Arethusa Spring Water Co.  
AA  
**MAINE—Bangor**  
Warren, Ara .....X  
**MASS.—Lowell**  
Ayer Co., J. C. (Medicinal)  
AA  
Hood & Co., Chas. J. ....B  
**New York City**  
Lanman & Kemp .....AAA  
Riker & Son Co., Wm. B.  
AA  
Seelys' Son, G. B. ....B  
Tutt Mfg. Co., Dr.....B

## SASH

See also Woodwork

**ILL.—Chicago**  
Chicago Metallic Sash Wks.,  
21 Mohawk (Metallic)...D  
Knisley Bros., 28th & 5th  
Av. (Metallic Window).A  
Miller & Bro., Jas. A., 129  
S. Clinton (Metallic Win-  
dow) .....A  
**MASS.—Boston**  
Badger & Sons Co., E., 63  
Pitt (Metallic Window)  
B  
Hicks & Sons, S. D., 9  
Bowker (Metallic Win-  
dow) .....B  
Smith-Warren Co., 93 Fed-  
eral (Metallic Window)  
D  
**N. J.—Newark**  
Tabor Sash Co., 69 Polk  
(Reversible Window)...D  
**N. Y.—Irvington**  
Lord & Burnham Co. (Hot  
Bed) .....A  
**New York City**  
Hayes & Co., Geo., 71 8th  
Av. (Metallic Window).B  
**WIS.—Milwaukee**  
Biersach & Niedermeyer Co.  
(Metallic Window) ....B

## SATCHELS

See also Leather Goods

**ILL.—Chicago**  
Fitzgerald Trunk Co.....A  
Haskell Bros. ....A  
Wilt, Chas. F. ....B  
**N. J.—Harrison**  
Headley & Farmer Co.....A  
**N. J.—Newark**  
Cally Co., P. ....D  
Goldsmith & Son, L. ...AA  
Hager & Co. ....H  
Peddle & Co., T. B.....AA  
**New York City**  
Breidenback, Philip .....D  
Hahn & Co., A. ....B  
Lissa & Co., Henry .....B  
McHugh, John F. ....C  
Scheuer & Bro.....X  
**PA.—Philadelphia**  
Rumpp & Sons, C. F.....AAA

**SATCHELS (Con.)**

VA.—Petersburg  
Seward Trunk & Bag Co. AA  
WIS.—Milwaukee  
Abel & Bach Co. ....AA  
WIS.—Eacine  
Secor Trunk Co., M. M....A

**SATEENS**

See Cotton Goods

**SATIN**

See Silk

**SATINETTS**

See Woolen Goods

**SAUCERS**

See Chinaware; Glassware;  
Earthenware

New York City  
Cordley & Hayes (Flower  
Pot) .....A

**SAUCES**

See also Condiments

COLO.—Denver  
Kuner Pickle Co. (Table) A  
ILL.—Chicago  
Henning Co., Wilhelm, 113  
E. North Av. ....A  
IOWA—Keokuk  
Keokuk Pickle Co. (Pepper,  
Table) .....B  
KY.—Paducah  
Paducah Vinegar Wk. (Pepper) .....D  
MO.—St. Louis  
Bayle, Geo. A. (Table) ...B  
N. Y.—Buffalo  
Erie Preserving Co. (Apple) AAA  
New York City  
Alart & McGuire, 68 Madison .....AA  
Burnham Co., E. S., 61 Gansevoort .....A  
Cohen & Co., Wm. H. (Table) .....X  
Durkee & Co., E. R. (Table) AA  
Falcon Packing Co. (Pepper) B  
Gordon & Dilworth, 561 Greenwich (Table) ....A  
Gulden, Chas. (Fish, Table) AA  
Hazard & Co., E. C. (Pepper, Table) .....AA  
OHIO—Cincinnati  
Snider Preserve Co., T. A. A  
Weller Co., J. (Table) ....A  
PA.—Meadville  
Soyer Sauce Co. (Table) ..F  
PA.—Philadelphia  
Phila. Pickling Co. (Table) C  
Ritter Conserve Co., Philip J. ....A  
PA.—Pittsburg  
Heinz Co., H. J. (Table) AAAA  
VT.—Brattleboro  
Brattleboro Jelly Co. (Apple) .....D  
W. VA.—Wheeling  
McMechan & Son Co., Geo. K. ....B

**SAUERKRAUT**

See Cider; Vinegar; &c.

**SAUSAGE**

See Meat Packer

**SAVERS**

OHIO—Salem  
Clark Co., W. J. (Galvanized Steel, Oil) .....A

**SAWS**

ALA.—Birmingham  
Birmingham Saw Wks. ..H  
ALA.—Huntsville  
Huntsville Fdy. & Mach. Wks. (Nolan & Jones, Prop.) (Swing) .....B  
CAL.—San Francisco  
California Saw Wks., 208 Mission .....A  
Pacific Saw Mfg. Co., 110 Beale (Cross-Cut; Hand; Pit; Wood; Circular; Mill; Mulay; Shingle; Butchers; Pruning) .....X  
Simonds Saw Co., 33 Market C  
CONN.—Ansonia  
Farrell Fdry. & Mach. Co. (Diamond) .....AAAA  
CONN.—Branchville  
Branchville Ice Tool. Wks. (G. G. Grunman, Prop.) F  
CONN.—Bridgeport  
Bridgeport Hdw. Mfg. Co., 481 Iranistan Av. (Hack; Compass; Coping; Fret; Jig) .....B  
CONN.—Bristol  
Penfield Saw Wks. ....C  
CONN.—Hartford  
Pratt & Whitney Co. (Metal Slitting) .....AAAA  
CONN.—New Haven  
Barnes Tool Co. (Band; Circular) .....B  
Thompson's Son Co., Henry G. (Band; Hack; Hack Power; Kitchen) .....B  
West Haven Mfg. Co. (Hack; Hack Power Plumbers') .....B  
CONN.—Norwich  
Roegers & Co., C. B. (Swing Cut-off; Cut-off; Re-Sawing; Gang Rip; Self Feeding Rip; Scroll) .....AAAA  
CONN.—Pine Meadow  
Chapin-Stephens Co. (Turning) .....A  
CONN.—South Norwalk  
Le Count, Wm. G. (Metal Top Slitting) .....D  
CONN.—Waterbury  
Waterbury Farrell Fdry. & Mach. Co. (Tube) .....AA  
Waterbury Machine Co. (Wire Scarfing) .....B  
DEL.—Wilmington  
Trump Bros. Mach. Co. (Scroll) .....A  
GA.—Atlanta  
De Loach Mill Mfg. Co. (Drag) .....B  
Southern Saw Wks. (Band; Circular; Concave; Gang; Inserted Tooth Circular; Shingle) .....B  
ILL.—Batavia  
Appleton Mfg. Co. (Circular) A  
U. S. Wind Engine & Pump Co. (Swing; Swing Cut-off; Circular) .....AA  
ILL.—Chicago  
Allis-Chalmers Co., Home Ins. Bldg. (Band; Circular) .....AAAA  
Born Packers Supply Co., H. A. (Butchers) .....F  
Curtis & Co., Mfg. Co., 42 S. Canal (Band; Circular; Cross-Cut; Drag; Gang; Insulated Circular) ....C  
Goes & Co., Oscar, 18 So. Canal .....D  
Greenlie Bros. & Co. (Self Feeding Rip) .....AA  
Hiles & Co., C., 336 Carroll Av. ....C  
Perrin & Co., W. R. (Butchers) .....A  
ILL.—Freeport  
Arcade Mfg. Co. (Hack; Hack Power) .....A  
Hofer Mfg. Co. (Hack Power) .....C  
Stover Mfg. Co. (Wood) AA  
ILL.—Marseilles  
Marseilles Mfg. Co. (Wood) A

**SAWS (Con.)**  
**ILL.—Bloomington**  
 Barnes Co., W. F. & John  
 (Foot Power Circular;  
 Hand Rip; Scroll; Ama-  
 teur Scroll; Dehorning) ....AAA

**ILL.—Rock Island**  
 Donaldson Bros. (Band; Cir-  
 cular; Gang; Segment) C

**ILL.—Sandwich**  
 Sandwich Mfg. Co. (Wood)  
 ....AA

**IND.—Indianapolis**  
 Atkins & Co., E. C., 402 So.  
 Illinois (All Kinds)AAAA  
 Barry Saw Co., 228 So. Penn  
 (All Kinds) .....C  
 Chandler & Taylor Co.  
 (Swing; Swing Cut-off;  
 Mulay) .....AA  
 Rockwood Mfg. Co., 1801  
 English Av. (Bolting;  
 Swing Cut-off) .....A  
 Sinker-Davis Co. (Cut-off;  
 Iron Frame Rippling) ...B

**IND.—Lawrenceburg**  
 Bishop & Co., G. H. (Band;  
 Circular; Hand; Butcher;  
 Kitchen; Compass; De-  
 horning; Ice; Pruning;  
 Wood; Ice; Veneer) ....A

**IND.—New Albany**  
 New Albany Mfg. Co.  
 (Stone; Slate Gang) ...C

**MAINE.—Bangor**  
 Schwartz Sons, M. ....D  
 Union Iron Wks. (Swing) A

**MD.—Baltimore**  
 Toland & Son, Front & Low  
 (Band) .....C

**MASS.—Arlington**  
 Wood & Co., W. T. (Ice) A

**MASS.—Athol**  
 Athol Machine Co. (Hack)B  
 Starrett Co., L. S. (Hack;  
 Metal; Slotting) .....A

**MASS.—Boston**  
 Hawkins Mfg. Co., 591 At-  
 lantic Av. (Jig) .....H  
 Marston & Co., J. M. (Foot  
 Power Band; Foot Power  
 Circular; Grooving) ....D  
 Woods Machine Co., S. A.  
 (Foot Power Circular;  
 Self Feeding Rip; Band)  
 ....AA

**MASS.—Fitchburg**  
 Fitchburg File Wks. (Band;  
 Hack) .....D  
 Putnam Mach. Co. (Pattern  
 Makers Dimension) ...A  
 Simonds Mfg. Co. (All  
 Kinds) .....AAA

**MASS.—Greenfield**  
 Goodell-Pratt Co. (Hack;  
 Butchers; Kitchen; Cir-  
 cular) .....B

**MASS.—Millers Falls**  
 Millers Falls Co. (Butchers;  
 Jewelers) .....AA

**MASS.—Natick**  
 Ambler Saw Mfg. Co.  
 (Band) .....F  
 Hall Co., Frank H. ....X

**MASS.—New Bedford**  
 Morse Twist Drill & Mach.  
 Co. (Metal Slitting) AAA

**MASS.—Taunton**  
 Stranges Mach. Wks. (Cir-  
 cular) .....E

**MASS.—Worcester**  
 Cunningham, E. E., 23  
 Hudson (Band) .....H  
 Kidder, R. E. (Circular) ...E  
 Luther & Co., B. G., 91 Fos-  
 ter .....E  
 Wright Wire Co. (Power  
 Hack) .....AA

**MICH.—Bay City**  
 Garland Co., M. (Bolting;  
 Cut-off) .....O

**Industrial Works (Rail)** AA  
 Ward, Wm. ....F

**MICH.—Grand Rapids**  
 Butterworth & Lowe (Band,  
 Cut-off) .....A  
 Porter, C. O. & A. D.  
 (Swing) .....O  
 Edge & Co., Frank (Band;  
 Scroll) .....E  
 Porter, C. O. & A. D.  
 (Swing) .....C

**SAWS (Con.)**  
**MICH.—Manistee**  
 Batty, Wm. (Circular) ....F  
 Broadhead, Jos. ....X

**MICH.—Muskegon**  
 Barcus Bros. (Circular) ..C

**MICH.—Port Huron**  
 Port Huron Saw Co. (Ltd.)  
 (Band; Circular for Metal;  
 Concave; Cross-Cut; Drag;  
 Gang; Grooving; Ice; Jig;  
 Metal Slitting; Scroll;  
 Swing) .....O

**MICH.—Saginaw**  
 Mershon & Co., Wm. B. (Re-  
 Sawing) .....A  
 Michigan Saw Co. (Ice) ...B  
 Wickes Bros. (Swing; Swing  
 Cut-off; Circular) ..AAA

**MINN.—Minneapolis**  
 Howell & Co., R. E. (Swing,  
 Cut-off) .....B

**MO.—St. Louis**  
 Branch Saw Co., 817 N. 2nd  
 (Cross-Cut Turning) ..B  
 Brecht Butchers Supply Co.,  
 G. V., 1201 Cass Av.  
 (Butchers) .....AAA

**N. H.—Dover**  
 White Co., Jno. A. (Swing)O

**N. J.—Hastbrouck Heights**  
 Olmstead, L. H. (Hack  
 Power) .....B

**N. J.—Newark**  
 Bernz, Otto, So. 18th cor.  
 Orange Av. (Hack; Plum-  
 bers') .....B  
 Hastings & Co., Arthur J.,  
 Railroad Pl. ....F  
 National Saw Co., 15 River  
 (All Kinds) .....B  
 Seymour & Whitlock, 43  
 Lawrence (Swing) .....B

**N. J.—Paterson**  
 Royle & Sons (Inc.) Jno.  
 Straight & Essex (Jig for  
 Metal Mortising) .....A

**N. J.—Smithville**  
 Smith Mach. Co., H. B.  
 (Swing; Swing Cut-off;  
 Self Feeding Rip; Scroll)A

**N. Y.—Albany**  
 Decker, E. F. ....D

**N. Y.—Brooklyn**  
 Mack & Winkle, 172 Skill-  
 man Av. ....F

**Oldham & Sons, Joshua, 26th  
 & 3rd Av. (Band; Cir-  
 cular; Concave; Grooving;  
 Ice; Mill) .....D**

**N. Y.—Buffalo**  
 Buffalo Scale Co. (Butchers)  
 ....AA

**Diamond Saw & Stamping  
 Co. (Hack; Hack Power;  
 Butcher; Kitchen) ....D**

**Frank Mehry, Co. (Swing;  
 Swing Cut-off; Scroll) ..O**

**Holmes Mehry, Co., E. & B.  
 (Swing; Swing Cut-off;  
 Bolting; Foot Power Cir-  
 cular; Segment; Gang  
 Rip; Self Feeding Rip;  
 Variable Feed Rip; Box  
 Board Cut-off) .....B**

**Robertson Mfg. Co. (Hack)E**

**N. Y.—Elmira**  
 Elmira Saw & Mach. Wks. X

**N. Y.—Lockport**  
 Cocker, Wm. ....D  
 Trevor Mfg. Co. (Shingle) B

**N. Y.—Long Island City**  
 Meyers, W. F. (Circular;  
 Stone; Diamond) .....E

**N. Y.—Malone**  
 Hinds, Thos. (Stone; Slate  
 Gang) .....D

**N. Y.—Middletown**  
 Clemens Bros. (Band; Cir-  
 cular; Cross-Cut; Hand;  
 Ice) .....AAAA

**New York City**  
 Amer. Woodworking Mach.  
 Co., 186 Liberty (Blind  
 Slat; Swing; Bolting;  
 Splitting; Swing Cut-off;  
 Circular; Grooving; In-  
 serted Tooth Circular; Seg-  
 ment; Self Feeding Rip;  
 Gang Rip; Scroll; Box  
 Board Cut-off; Edging)  
 ....AAAA

**Chatillon, Frank, John, 85**

# SAWS (Con.)

Cliff (Butcher; Kitchen) A  
 Etma Mfg. Co., 253 Bway.  
 (Hack; Slitting) .....X  
 Fairbanks Co., 416 Broome  
 (Hack; Hack Power) .....A  
 Hammacher, Schlemmer &  
 Co., 4th Av. near 18th  
 (Bands) .....AAA  
 Hoe & Co., R., 504 Grand  
 Band; Circular; Drag;  
 Gang; Grooving; Ice; Pit;  
 Inserted Tooth Circular;  
 Mill; Mulay; Shingle;  
 Veneering; Printers' ..  
 Jennings & Co., C. E., 42  
 Murray (All Kinds) ....B  
 Miller's Falls Co., 28 War-  
 ren (Hack Power; Scroll;  
 Kitchen; Butchers'; De-  
 horning; Jewelers') ...AA  
 Moss & Graham, Centre &  
 Grand (Band; Circular) .F  
 Reichhelm & Co., E. P.  
 (Jewelers) .....A  
 Slotkin & Praglin, 210 Can-  
 al (Circular) .....B  
 Stone-Working Mach. Co.,  
 41 Wall (Stone; Slate  
 Gang) .....F  
 Tower & Lyon (Compass;  
 Hack) .....B  
 N. Y.—Rochester  
 Huther Bros., 229 Mill  
 (Band; Circular for Metal;  
 Concave) .....B  
 N. Y.—Seneca Falls  
 Seneca Falls Mfg. Co.  
 (Foot Power Circular; Cir-  
 cular; Scroll; Amateur  
 Scroll) .....B  
 OHIO—Canton  
 Canton Saw Co. (Band; Cir-  
 cular; Concave; Drag;  
 Gang) .....C  
 Knight Mfg. Co. (Swing) .B  
 OHIO—Cincinnati  
 Cordesman Mach. Co.  
 (Swing Scroll) .....X  
 Cordesman, Meyers & Co.  
 (Scroll) .....B  
 Fay, J. A. & Egan Co., Cor.  
 Front & John (Blind Slat;  
 Swing; Swing Cut-off;  
 Cut-off; Bevel; Mitre Rip-  
 ping; Double Revolving  
 Rippling; Iron Frame Rip-  
 ping; Self Feeding Rip;  
 Scroll; Band) .....AAA  
 Greaves, Klusman & Co.,  
 Cor. Cook & Alfred  
 (Swing; Band; Scroll; Cut-  
 off) .....B  
 Lane & Bodley Co., Cor. John  
 & Water (Swing) .....B  
 Rowe & Trunell, 123 W. 2d  
 (Circular) .....E  
 OHIO—Cleveland  
 Gerlach & Co., Peter, 28 Col-  
 umbus (Band; Circular;  
 Ice; Mill) .....A  
 Strong, Carlisle & Ham-  
 mond Co. (Power Hack) A  
 OHIO—Columbus  
 Buckeye Saw Mfg. Co. (Cir-  
 cular; Gang; Mill) ....D  
 Ohlen & Sons Saw Mfg. Co.,  
 J. Buttles Av. ....A  
 OHIO—Dayton  
 Patterson Tool & Supply Co.  
 Power Hack) .....A  
 Siebler, Geo., E. (Circular) H  
 OHIO—Defiance  
 Defiance Machine Wks.  
 (Bolting; Self Feeding;  
 Rip) .....A  
 OHIO—Leetonia  
 Crescent Mach. Co. (Power;  
 Foot Band) .....D  
 OHIO—Salem  
 Silver Mfg. Co. (Band) AA  
 OHIO—Toledo  
 Toledo Saw Co., Water Cor.  
 Monroe (Circular) .....C  
 PA.—Allentown  
 Grammes & Sons, L. F. (Cut-  
 off) .....A  
 PA.—Bangor  
 Flory Mfg. Co., S. (Stone;  
 Slate Gang) .....A

# SAWS (Con.)

PA.—Beaver Falls  
 Champion Saw & Gas Engine  
 Co. (Circular; Concave;  
 Gang; Grooving) .....X  
 Emerson, Smith & Co., Ltd.  
 (Band; Circular; Concave;  
 Drag; Gang; Scroll; Cross  
 Cut; Mitre Box; Concave  
 Circular; Grooving; Insert-  
 ed Tooth Circular; Edger;  
 Mill; Mulay; Re-Sawing;  
 Shingle; Slate) .....A  
 PA.—Bradford  
 Standard Saw Co. (Band;  
 Out-off; Circular; Groov-  
 ing; Segment; Veneering) A  
 PA.—Eddystone  
 Tindel-Morris Co. (Inserted  
 Tooth for Cold Cutting) AA  
 PA.—Eldred  
 Prouty & Co., O. (Cross Cut) B  
 PA.—Erie  
 Standard Saw Mill Mchry.  
 Co. (Swing; Out-off) ...B  
 Stearns Mfg. Co. (Cut-off) B  
 PA.—Kane  
 United Saw Mfg. Co. ....D  
 PA.—Philadelphia  
 Atlantic Wks. (Inc.), 28d &  
 Arch (Blind; Slat; Swing) B  
 Disston & Sons (Inc.), Henry  
 (All Kinds) .....AAAA  
 Espen-Lucas Machine Wks.,  
 Broad & Noble (Bar Cold;  
 Metal Cutting; Rail) ...D  
 Kennedy, Ralph M., 111 N.  
 7th (Band; Circular) ...X  
 McNiece & Son, Wm., 515  
 Cherry (Imptd. Band; Cir-  
 cular) .....C  
 Nicholls, Harry, 212 Pine. F  
 Nittinger, August (Butch-  
 ers) .....A  
 Phila. Roll & Machine Co.,  
 2d & Wash. Av. (Hot  
 Metal) .....A  
 Power & Co., L. (Re-Saw-  
 ing; Gang; Rip) .....A  
 PA.—So. Bethlehem  
 Bethlehem Fdy. & Machine  
 Co. (Band) .....O  
 PA.—Williamsport  
 Andrews & Sons, E. (Solid;  
 Inserted Brick; Circular;  
 Hand) .....D  
 Foucart, J. E. (Circular;  
 Gang) .....D  
 U. S. Machine Co. (Iron  
 Frame; Swing) .....D  
 PA.—York  
 Farquhar Co. (Ltd.), A. B.  
 (Swing) .....AAA  
 R. I.—Providence  
 Brown & Sharpe Mfg. Co.  
 (Metal Slitting) .....AAAA  
 Thurston Mfg. Co. (Jewel-  
 ers; Metal Slitting) ....C  
 TENN.—Chattanooga  
 Chattanooga Saw Wks.  
 (Solid Tooth Circular) ..D  
 Wheland Machine Wks.  
 (Swing) .....A  
 TENN.—Jackson  
 Southern Engine & Boiler  
 Wks. (Swing; Cut-off;  
 Swing Cut-off) .....AA  
 VT.—Bennington  
 Scott, Olin (Stone) .....A  
 VT.—Montpelier  
 Lane Mfg. Co. (Bolting;  
 Swing Cut-off; Cut-off;  
 Drag) .....A  
 VT.—Rutland  
 Lincoln Iron Wks. (Circular,  
 for Soft Stone; Stone;  
 Slate Gang) .....A  
 WASH.—Seattle  
 Fox Saw Wks. (Inc.), J. E. C  
 WIS.—Beloit  
 Berlin Machine Wks. (Cut-  
 off; Self-Feeding Rip.) AAAA  
 WIS.—Evansville  
 Baker Mfg. Co. (Wood), AA  
 WIS.—Milwaukee  
 Filer & Stowell Co. (Swing;

**SAWS (Con.)**  
Cut-off; Band; Circular) AAA  
**WIS.—Oshkosh**  
Hayes Mach. Co., E. B.  
(Blind Slat) .....B  
**WIS.—Racine**  
Freeman & Sons Mfg. Co.,  
S. (Wood) .....A  
**WIS.—Wausau**  
Murray Mfg. Co., D. J.  
(Swing) .....A

## SCABBARDS

Dobson-Fisher-Brockman Co.  
(Leather Rifle) .....AA  
**MO.—St. Joseph**  
Wyeth Hdw. & Mfg. Co.  
(Carbine) .....AAA  
**MO.—St. Louis**  
Brauer Bros. Mfg. Co. ....E  
Straus Saddlery Co., Jacob  
D. (Hinge) .....A  
New York City  
Spalding, A. G. & Bros.,  
Inc. (Knife) .....AAA  
**OHIO—Cleveland**  
Standard Welding Co.  
(Sword) .....AA  
**TEXAS—El Paso**  
Jackson-Hughes Co. ....B

## SCAFFOLDS

New York City  
Chesbro, Whitman & Co.,  
1167 1st Av. ....B  
McCabe Hanger Mfg. Co.,  
532 W. 22d .....B  
New York Ladder Co., 580  
Hudson (Builders') ....E  
Reilly Bros., 322 W. 41st  
(Painters') .....D

## SCALDERS

**IND.—Goshen**  
Kelly Fdy. & Machine Co.  
(Hog) .....A  
**MD.—Baltimore**  
Sinclair-Scott Co. (Tomato) E  
**N. Y.—Baldwinsville**  
Fancher Machine Co. (Toma-  
to) .....G  
**N. J.—Bridgeton**  
Cox Bros. (Tomato) .....D  
**PA.—Bausman**  
Bausman, D. H. (Hog) ...C

## SCALERS

New York City  
Chatillons, John Sons, 85  
Cliff (Fish) .....A  
Dickinson, John (Est. of),  
64 Nassau (Steel) .....B  
Fairbanks Co., 416 Broome  
(Fish) .....AAAA  
**OHIO—Ravenna**  
Williams, A. O. (Fish)....A  
**PA.—Reading**  
Reading Hdw. Co. (Fish) AAAA  
**PA.—Wrightsville**  
Wrightsville Hdw. Co.  
(Fish) .....B

## SCALES

See also Beams  
Balances

**CAL.—San Francisco**  
Beck & Co., E. B., 122  
Market .....F  
**COLO.—Denver**  
Ainsworth & Sons, Wm.  
(Precision; Weights;  
Chemists; Druggists)...B  
**CONN.—Guilford**  
Spencer's Sons, I. S. (Coun-  
ter; Family; Heavy; Can-  
dy; Grocers; Spring)....A  
**CONN.—Hartford**  
Pratt & Whitney Co.  
(Grain) Automatic; Ele-  
vator) .....AAAA  
**CONN.—New Britain**  
Landers, Frary & Clark  
(Letter; Balances; Coun-  
ter; Family; Candy; Gro-

**SCALES (Con.)**  
cers; Fish; Spring) ...AAA  
**CONN.—Saugatuck**  
Computing Scale Co. (Com-  
puting) .....A  
**ILL.—Chicago**  
American Cutlery Co.  
(Family; Heavy) .....AA  
Borden & Sellick Co. ....B  
Chicago Computing Scale  
Co., 237 5th Av. ....E  
Chicago Scale Co., 292 W.  
Jackson Boul. (All Kinds) A

Fairbanks Morse & Co. (Au-  
tomatic; Counter; Gold;  
Silver; Market) ...AAAA  
Pelouze Scale & Mfg. Co.,  
182 W. Jack. Boul. (Coun-  
sulting; Counter; Grocers;  
Family; Hopper; Ice;  
Postal; Letter; Balances;  
Market) .....O  
Streeter-Amet, Weighing &  
Recording Co., 140 Dear-  
born (Automatic) .....B  
Union Scale & Mfg. Co. (Au-  
tomatic; Coffee; Cereal,  
etc.) .....D

**ILL.—Moline**  
Moline Pump Co. (Platform  
or Wagon) .....A  
Moline Scale Co. (Platform  
or Wagon) .....B

**ILL.—Peoria**  
Selby, Starr & Co. (Grain) X  
**ILL.—Peru**

Brunner, Chas. (Hopper;  
Stock; Platform or Wag-  
on; Track) .....A

**ILL.—Waukegan**  
Chicago Recording Scale Co. O

**IND.—Anderson**  
Anderson Computing Scale  
Co. (Computing) .....A  
**IND.—Elkhart**

Stimpson Computing Scale  
Co. ....A  
**IND.—Indianapolis**

Nordyke & Marmon Co.  
(Grain Testing; Heavy;  
Platform or Wagon) AAA

**IND.—Terre Haute**  
U. S. Scale Co. (Stock; Wag-  
on) .....B

**IOWA—Council Bluffs**  
Kimball Bros. Co. (Platform  
or Wagon) .....A

**IOWA—Des Moines**  
Beckman Bros. (Platform or  
Wagon; Track) .....B

**IOWA—Lone Tree**  
Monarch Grubber Co. (Plat-  
form or Wagon) .....B

**KANS.—Kansas City**  
Strait Mfg. Co., H. N.  
(Platform or Wagon). AA

**MD.—Baltimore**  
Marden, Jesse (Est. of)  
(Fine; Heavy) .....X

**MASS.—Arlington**  
Wood & Co., Wm. T. (Ice) A  
**MASS.—Athol**

Starrett Co., L. S. (Drafts-  
mens; Graduated) .....A  
**MASS.—Boston**

Cutter Tower Co. (Letter;  
Balances) .....B  
**MASS.—Lowell**

Knowles Scale Wks. (Heavy;  
Light; Counter; Plat-  
form) .....D

Lowell Scale Co. (Platform  
or Wagon; Counter;  
Dairy; Platform) .....D

Pneumatic Scale Corporation X  
**MICH.—Battle Creek**

Advance Thresher Co.  
(Grain; Automatic) AAAA  
Nichols & Shepard Co.  
(Grain) .....AAAA

**MICH.—Detroit**  
Standard Computing Scale  
Co. (Computing) .....D  
Stimpson Co., W. F., 24 An-  
tietian (Computing) ...A

**MICH.—Grand Rapids**  
Grand Rapids Scale Wks.  
(Platform or Wagon)...O  
Hartman & Co., F. (Plat-

## SCALES (Con.)

form; Wagon) .....D  
**MICH.—Kalamazoo**  
 Michigan Scale Co. ....C  
**MO.—Kansas City**  
 Kansas City Hay Press Co.  
 (Hopper; Platform or  
 Wagon; Track) .....AA  
**MO.—Pleasant Hill**  
 McDonald Bros. (Wagon;  
 Stock) .....B  
**MO.—St. Louis**  
 Pope, J. William (Auto-  
 matic for Package) ...AA  
**N. J.—Jersey City**  
 Automatic Weighing Mach.  
 Co. (Auto. Weighing for  
 Packages) .....B  
 Sneed & Co., Iron Wks.  
 (Hopper) .....A  
**N. J.—Newark**  
 Meyer Scale & Hdw. Co., 15  
 Canfield (Platform or  
 Wagon) .....X  
 Willmore Computing Scale  
 Co. (Computing) .....X  
**N. Y.—Albany**  
 Fairbanks Co. ....AAAA  
**N. Y.—Binghamton**  
 Jones of Binghamton (Inc.)  
 A  
 Osgood Scale Co. (All Kinds)  
 B  
**N. Y.—Buffalo**  
 Buffalo Scale Co. (All  
 Kinds) .....AA  
 Holmes Machinery Co., E.  
 & B. (Knife Balancing) B  
 Weeks Scale Wks. (Plat-  
 form) .....C  
**N. Y.—Cohoes**  
 Sweet & Doyle (Yarn) ....C  
**N. Y.—New Rochelle**  
 Becker Christian (Precision;  
 Weights; Chemists'; Drug-  
 gists; Gold; Silver) ....D  
**New York City**  
 Automatic Scale Co., 16 Park  
 Row (Auto. Rice, Cereal,  
 etc.) .....X  
 Becker, Christian (Precision;  
 Weights; Chemists'; Drug-  
 gists'; Gold; Silver) ....D  
 Century Machine Co., 576 W.  
 Bway. (Light) .....X  
 Chatillon & Sons, John (All  
 Kinds) .....A  
 Hunt Co., C. W., 45 Bway.  
 (Hopper; Platform or  
 Wagon; for Railways;  
 Boiler Rooms; Track), AA  
 Hurd & Co., 576 W. Bway.  
 (Postal) .....D  
 International Silver Co., 9  
 Maiden Lane (Postal)  
 AAAA  
 Keuffel & Esser Co., 127  
 Fulton (Computing;  
 Draftsmen's; Graduated)  
 AA  
 Kohlbusch, Herman, 194  
 Bway. (All Kinds) .....B  
 McCoy Co., Jos. F., 157  
 Chambers (Suspension) ..B  
 Maris & Co., John M., 219  
 Fulton (Light) .....B  
 Mead Mfg. Co., Jno. A., 11  
 Bway. (Hopper; Track)  
 AA  
 Page, Dennis & Co. (Auto-  
 matic; Heavy; Counter) B  
 Peck, Stow & Wilcox Co., 27  
 Murray (Counter; Grocers)  
 AAAA  
 Pneumatic Scale Corp (Auto-  
 matic for Packages) ....X  
 Richardson Scale Co., 15  
 Park Row (Hopper) ....D  
 Union Computing Machine  
 Co., 1 Union Sq. West  
 (Computing) .....B  
**N. Y.—Niagara Falls**  
 Canning & Co., A. H. (Auto.  
 for Package Goods) ....X  
**N. Y.—Palmyra**  
 Allen, J. ....E  
**N. Y.—Palmer**  
 Cochran, B. S. ....H  
**N. Y.—Troy**  
 Kundson Scale Wks. ....E  
 Micrometer Balance Scale  
 Co. ....D

## SCALES (Con.)

**OHIO—Cincinnati**  
 Cinn. Scale Mfg. Co., 212  
 Walnut (Grain Testing;  
 Hopper; Platform or Wag-  
 on; Track) .....C  
 Tatum Co., Saml. C., 414 W.  
 Water (Postal) .....B  
**OHIO—Columbus**  
 Case Mfg. Co. (Automatic;  
 Grain; Automatic) .....A  
**OHIO—Dayton**  
 Computing Scale Co. ....A  
**OHIO—Toledo**  
 Toledo Computing Scale Co.  
 (Computing) .....A  
**PA.—Beaver Falls**  
 Keystone Store Service Co.  
 D  
**PA.—Erie**  
 Reed Mfg. Co. (Computing)  
 A  
**PA.—Philadelphia**  
 Alteneder & Sons, Theo.  
 (Boxwood) .....D  
 North Bros. Mfg. Co.  
 (Family) .....AA  
 Olsen & Co., Tinuis, 500 N.  
 12th (Heavy) .....A  
 Troemner, Henry (Chemists;  
 Druggists; Counter; Dia-  
 mond; Gold; Silver)  
 AAA  
**PA.—Pittsburg**  
 Standard Scale & Supply Co.,  
 211 Wood (All Kinds) ..B  
**PA.—Reading**  
 Reading Hdw. Co. (Counter;  
 Grocers) .....AAAA  
**PA.—Waynesboro**  
 Geiser Mfg. Co. (Grain;  
 Grain Automatic; Heavy)  
 AAAA  
**PA.—Wrightsville**  
 Wrightsville Hdw. Co.  
 (Fish) .....B  
**R. I.—Providence**  
 Browne & Sharpe Mfg. Co.  
 (Sample Weighing-Letter;  
 Balances; Draftsmen's;  
 Graduated; Yarn) ..AAAA  
**TENN.—Chattanooga**  
 Arithmetical Scale Co. (Com-  
 puting) .....B  
**VT.—Rutland**  
 Howe Scale Co. (Grain Test-  
 ing; Hopper; Platform or  
 Wagon; Track; Letter;  
 Balances; Counter) AAAA  
**VT.—St. Johnsbury**  
 Fairbanks & Co., E. & T.  
 (Grain Testing; Hopper;  
 Platform or Wagon)  
 AAAA  
**VA.—Richmond**  
 Randolph Paper Box Co.  
 (Prescription; Pocket), A  
**WIS.—Beloit**  
 Gaston's Sons Co., N. B.  
 (Platform or Wagon) ...C

## SCALPERS

**ILL.—Moline**  
 Bernard & Leas Mfg. Co.  
 AA  
**IND.—Indianapolis**  
 Nordrke & Marmon Co. ....AAAA  
**KANS.—Enterprise**  
 Ehram & Sons' Mfg. Co.,  
 J. B. ....B  
**KANS.—Leavenworth**  
 Great Western Mfg. Co.  
 (Elevators) .....AA  
**MINN.—Minneapolis**  
 Willford Mfg. Co. ....C  
**N. Y.—Buffalo**  
 Nove Mfg. Co., John T.  
 (Elevator) .....X  
**OHIO—Columbus**  
 Case Mfg. Co. ....A

## SCARFS; PIANO

See Neckties for Scarfs

**New York City**  
 Tonk & Bro., Wm. (Inc.),  
 452 10th Av. (Piano) ....C

## SCISSORS

See also Shears

## SCISSORS (Con.)

**CONN.—Bridgeport**  
Acme Shear Co. (Pocket) .. B  
Bridgeport Hdw. Mfg. Co.  
(Button Hole; Kindergar-  
ten; Pocket) ..... B  
Jennings Bros. Mfg. Co.  
(Silver Mounted) ..... AA  
**CONN.—Bristol**  
Clayton Bros. .... D  
**CONN.—New Haven**  
Schollhorn Co., Wm. (Bar-  
bers'; Buttonhole; Em-  
broidery; Manicure; Pock-  
et) ..... A  
**CONN.—Wallingford**  
Wallace Sons' Mfg. Co., R.  
(Buttonhole; Embroidery;  
Folding; Ladies'; Mani-  
cure; Pocket) ..... AAAA  
**MASS.—Mansfield**  
Spaulding, D. S. (Silver  
Mounted) ..... B  
**MASS.—North Attleboro**  
Coddling & Hellborn Co.  
(Silver Mounted) ..... A  
**N. J.—Newark**  
Heinisch's Sons Co., R.  
(Pocket) ..... A  
Wiss & Sons, J. (Barbers';  
Buttonhole; Pocket) ... A  
New York City  
Gorham Mfg. Co., B'way &  
19th (Silver Mounted) ..... AAAA  
Wiebusch & Hilger (Ltd.)  
(Bent; Buttonhole; Em-  
broidery; Pocket) ..... A  
**OHIO—Fremont**  
Clausen Shear Co. .... AAA  
International Cutlery Co. .... AAA  
**PA.—Mount Pleasant**  
Mt. Pleasant Tool Co. (Pock-  
et) ..... D  
**PA.—Philadelphia**  
National Cutlery Co., 3d &  
Lehigh Av. (Pocket) ... C  
**PA.—Titusville**  
Schatt & Morgan Cutlery  
Co. (Buttonhole) ..... B  
**R. I.—Providence**  
Bens Co., Wm. (Silver  
Mounted) ..... C  
Foster & Bro. Co., Theo. W.  
(Silver) ..... AA

## SCONCES.

**CONN.—Meriden**  
Bradley & Hubbard Mfg. Co.  
(Brass; Bronze) .... AAAA  
Meriden Britannia Company  
(Plated) ..... AAAA  
**N. J.—New Brunswick**  
N. J. Lamp & Bronze Wks.  
(Bronze) ..... AA  
New York City  
Gould Mersereau Co. (Brass) ..... B  
Judd & Co., H. L. (Brass) ..... AA

## SCOOPS

**CONN.—Meriden**  
International Silver Co.  
(Silver Plated Cheese) ..... AAAA  
Meriden Outlery Company  
(Cheese) ..... AA  
**CONN.—New Britain**  
Landers, Frary & Clark  
(Cheese) ..... AAA  
Stanley Rule & Level Co.  
(Veneer) ..... AAAA  
**CONN.—New Haven**  
Harrison, Leonard D. (Alum-  
inum) ..... H  
**CONN.—Pine Meadow**  
Chapins-Stephens Co. (Ve-  
neer) ..... A  
**CONN.—Wallingford**  
Wallace Sons' Mfg. Co., R.  
(Cheese) ..... AAAA  
**ILL.—Chicago**  
American Cutlery Company  
(Cheese) ..... AA  
McMorran & Co., E. E., 15  
N. Clinton ..... D  
Radecke Mfg. Co., 84 S.  
Clark ..... E  
Vaughan & Bushnell Mfg.

## SCOOPS (Con.)

Co. (Veneer) ..... A  
**IND.—Elgin**  
Elgin Mfg. Co. (Gravel) .. F  
**IND.—Montpelier**  
Jackson Shovel & Tool Co.  
(Coal) ..... B  
**IND.—Vincennes**  
Star Shovel & Range Co.  
(Coal; Grain) ..... O  
**MASS.—Kingston**  
Drew & Co., C. (Veneer) .. C  
**MASS.—Shelburne Falls**  
Lamson & Goodnow Mfg. Co.  
(Cheese) ..... A  
**MASS.—Turner's Falls**  
Russell Cutlery Co., John  
(Cheese) ..... AA  
**MICH.—Milford**  
Bissell, E. J. (Potato) ... C  
**MO.—St. Louis**  
National Enameling &  
Stamping Co., Cass Av.  
& 2d (Coal) ..... AAAA  
St. Louis Shovel Co. (Grain) ..... B  
St. Louis Stamping Co.  
(Thumb; Grocers'; Coal) ..... AAAA  
**N. J.—Hoboken**  
Woodman, Joel H. (Veneer) ..... A  
**N. J.—Newark**  
Osborne & Co., C. S.  
(Cheese) ..... B  
Sommers' Son, John (Wood) ..... A  
**N. Y.—Brooklyn**  
Pollard, Jos. G., 141 Bay-  
mond (Tunneling) ..... F  
New York City  
Central Stamping Co., 4  
Cliff (Coal; Thumb) ... AA  
Chatillon Sons', John, 85  
Cliff ..... A  
Crandall & Godley Co.  
(Grocers') ..... AA  
Jennings & Co., C. E. (Ve-  
neer) ..... B  
Lalance & Grosjean Mfg. Co.  
(Grocers'; Coal) ... AAAA  
Stoutenborough, X., 277  
Pearl (Coal) ..... D  
**OHIO—Canton**  
Kohler Co., F. E. (Furnace) ..... C  
**OHIO—Cleveland**  
Avery Stamping Co. (Steel;  
Coal; Grain) ..... B  
Chisholm & Sons, Wm.  
(Steel) ..... AAA  
Cleveland Lock Co. (Wire  
Fruit; Wire Vegetable) ..... D  
**OHIO—Piqua**  
Wood Shovel & Tool Co.  
(Coke; Furnace) ..... C  
**PA.—Mt. Pleasant**  
Mt. Pleasant Tool Co. (Coal;  
Grain) ..... D  
**PA.—Philadelphia**  
Griffiths Co., George (Steel) ..... AAAA  
Phila. Scoop Co. (Grocers';  
Candy; Grain; Scale) ... F  
**PA.—Pittsburg**  
Hubbard & Co., Murtland  
Bldg. (Coal) ..... AA  
Hussey, Binns Shovel Co.,  
541 Wood (Coal; Grain;  
Locomotive) ..... A  
Pittsburg Shovel Co., Frick  
Bldg. (Coal) ..... B  
**PA.—Wyoming**  
Wyoming Shovel Works  
(Furnace; Grain) ..... A

## SCOURERS

**ILL.—Moline**  
Barnard & Leas Mfg. Co.  
Buckwheat; Wheat;  
Rice) ..... AA  
**IND.—Indianapolis**  
Nurdyke & Marmon Co.  
(Buckwheat) ..... AAA  
**MAINE—Portland**  
Conant Co., R. O. (Corn) .. F  
**MASS.—Boston**  
Riley & Co., C. E. (Wool) ..... A  
United Shoe Machinery Co.  
(Heel) ..... AAAA



**SCOURERS (Con.)**

**MASS.**—North Adams  
Hunter Machine Co., James  
(Wool) .....A  
**N. Y.**—Buffalo  
Squire Mfg. Co., Geo. L.  
(Rice) .....AAA  
**N. Y.**—Lockport  
Richmond Mfg. Co. (Grain)  
A  
**N. Y.**—Silver Creek  
Howes Co., S. (Wheat;  
Grain) .....A  
Huntley Mfg. Co. (Wheat)  
A

**PA.**—Muncy  
Sprout, Waldron & Co.  
(Wheat; Grain; Buck-  
wheat) .....A  
**PA.**—Philadelphia  
Eavenson & Sons, J. (Wool)  
A  
Link-Belt Engineering Co.  
(Wheat) .....AA

**SCRAPERS**

See also Agricultural Imple-  
ments

**CAL.**—Benicia  
Benicia Agricultural Wks.  
(Drag; Road) .....AAA  
**CAL.**—Stockton  
Holt Mfg. Co. (Drag; Road)  
AA

**CONN.**—Bridgeport  
Bridgeport Hdw. Mfg. Co.  
(Wall) .....B  
Knapp & Cowles Mfg. Co.  
(Box; Ship; Sidewalk) ..C  
**CONN.**—Georgetown  
Gilbert & Bennett Mfg. Co.  
(Stove) .....AA  
**CONN.**—Meriden  
Nickel Plate Mfg. Co. (Ket-  
tle) .....X  
**CONN.**—New Britain  
Humason & Beckley Mfg.  
Co. (Box) .....A  
Stanley Rule & Level Co.  
(Cabinet; Veneer; Box)  
AAA

**CONN.**—Pine Meadow  
Chapin-Stephens Co. (Ship;  
Box) .....A

**CONN.**—Southington  
Peck, Stow & Wilcox Co.  
(Box Foot; Plumbers';  
Hog) .....AAAA

**CONN.**—Westport  
Bradley's Sons, G. W. (Box;  
Plumbers') .....D

**GA.**—Columbus  
Southern Plow Co. (Cotton)  
AA

**ILL.**—Aurora  
Richards Mfg. Co. (Foot).B  
Western Wheeled Scraper  
Co. (Wheeled Road;  
Drag) .....AA  
Wilcox Mfg. Co. (Steel;  
Foot) .....B

**ILL.**—Bradley  
Bradley Mfg. Co., David  
(Drag; Road; Wheeled  
Road) .....AAA

**ILL.**—Chicago  
Austin Mfg. Co., 315 Dear-  
born (Drag; Wheel Road)  
AAA

Fairbanks, Morse & Co.,  
Franklin & Monroe (Drag;  
Road) .....AAAA  
Gould Co. (Drag; Road) ..A  
National Drill & Mfg. Co.,  
(Pullman Mfg.) (Drag;  
Wheel) .....B  
Pratt Mfg. Co., Wm. E.,  
91 Lake (Steel Foot) ..B  
Shaw, Willis, N. Y. Life  
Bldg. (Drag; Wheeled  
Road) .....D  
Vaughan & Bushnell Mfg.  
Co. (Ship; Block; Hog)  
B

**ILL.**—Decatur  
Fairies Mfg. Co. (Boiler  
Tube; Flue) .....A

**ILL.**—Downer's Grove  
Dicke Tool Co. (Box; Plum-  
bers') .....C

**SCRAPERS (Con.)**

**ILL.**—Freeport  
Arcade Mfg. Co. (Foot;  
Shovel) .....A  
Stover Mfg. Co. (Foot).AA  
**ILL.**—Galesburg  
Colton & Co., G. D. (Broom  
Corn) .....D  
**ILL.**—Harvey  
Austin Mfg. Co., F. C.  
(Drag; Road; Wheeled  
Road) .....AA  
**ILL.**—Moline  
Moline Plow Co. (Road)  
AAAA

**ILL.**—Peoria  
Herschell Mfg. Co., R.  
(Drag; Wheeled Road).A  
**ILL.**—Rock Island  
Rock Island Plow Co. (Cot-  
ton) .....AAA  
**ILL.**—Sterling  
Sterling Mfg. Co. (Corn-  
stalk; Shredders) .....A

**IND.**—Anderson  
American Bridge & Scraper  
Co. (Drag; Wheel Road)  
D  
**IND.**—Evansville  
Blount, Henry F. (Cotton)  
AAAA

**IND.**—Fort Wayne  
Indiana Road Machine Co.  
(Drag; Wheel) .....B

**IND.**—Indianapolis  
Adams & Co., J. D. (Drag)  
C  
Atkins & Co., E. C. (Box;  
Cabinet; Bench; Plumb-  
er's) .....AAAA

**IND.**—Logansport  
Dorner Truck & Foundry Co.  
(Track) .....X

**IND.**—Montpelier  
Jackson Shovel & Tool Co.  
(Steel Sidewalk) .....B

**IOWA.**—Fort Madison  
Iowa Farming Tool Co.  
(Walk; Street) .....A

Morrison Mfg. Co. (Drag).A  
**IOWA.**—Ottumwa  
Hardsocg Mfg. Co. (Miners')  
B

**IOWA.**—Washington  
Stewart, Frank (Drag;  
Road) .....B

**KY.**—Louisville  
Avery & Sons, B. F. (Cot-  
ton) .....AAA

Brennan & Co. (Drag) ....A  
**KY.**—Maysville  
Hall Plow Co., Jos. H.  
(Cotton) .....AA

**MASS.**—Athol  
Starrett Co., L. S. (Block;  
Floor) .....A

**MASS.**—Boston  
Ames Plow Co. (Drag;  
Road) .....AAAA

Burbank Mfg. Co., 34 High  
(Box) .....D  
Dame, Stoddard & Co.  
(Plumbers') .....A

**MASS.**—Cambridge  
Barbour-Stockwell Co. (Bak-  
ers'; Confectioners';  
Track) .....A

**MASS.**—Chicopee Falls  
Belcher & Taylor Agricul-  
tural Tool Co. (Road) ..A

**MASS.**—Fitchburg  
Simonds Mfg. Co. (Butchers'  
Block; Cabinet; Bench;  
Wall) .....AAA

**MASS.**—Kingston  
Drew & Co., C. (Plumbers';  
Box) .....C

**MASS.**—Winchendon  
Whitney, Baxter D. (Box)  
A

**MASS.**—Worcester  
Wire Goods Co. (Kettle) ..A

**MICH.**—Detroit  
Anderson & Sons, W. H.  
(Drag; Wheeled Road).C

**MICH.**—Fenton  
Phillips Co., A. J. (Snow;  
Stable; Sidewalk) .....A

**MICH.**—Jackson  
Jackson Flue Scraper Co.  
(Flue; Drag) .....C

**MICH.**—Kalamazoo  
Kalamazoo Railway Supply

**SCRAPERS (Con.)**

Co. (Drag; Wheeled Road) B  
 Root, Fred M. (Track)...D  
 MICH.—Lansing  
 Bement's Sons, E. (Drag; Road) AAAA  
 Lansing Wheel Barrow Co. (Drag; Wheel Road).AAA  
 MICH.—Monroe  
 Wilder Sons', J. K. (Drag; Road) B  
 MICH.—Mount Clemens  
 Donaldson Bros. (Drag; Road) A  
 JH.—Owosso  
 Castree & Shaw Co. (Steel) H  
 MO.—Kansas City  
 Smith & Sons Mfg. Co. (Drag; Wheel Road)...AA  
 MO.—St. Louis  
 Brecht Butchers' Supply Co., G. V., 1201 Cass Av. (Butchers' Block; Box) AAA  
 Kupferle, John C. (Foot) AA  
 Pleunger & Henger Mfg. Co. (Foot) A  
 Whitman Agricultural Co. (Road) A  
 N. H.—Concord  
 Ford & Co., Wm. P. (Drag) A  
 N. J.—Elizabeth  
 Braunsdorf-Mueller Co. (Box Plumbers') D  
 N. J.—Newark  
 Berns, Otto, S. 13th. cor. S. Orange Av. (Plumbers'; Box) B  
 Krauter & Co., 577 18th Av. (Box; Plumbers') E  
 National Saw Co. (Cabinet; Block; Box; Wall; Bench) B  
 Osborn & Co., C. S. (Barrel) B  
 Sayre & Co., L. A. (Box) B  
 Wiener & Co. (Box) C  
 N. Y.—Albany  
 Stephenson Mfg. Co. (Boiler Tube) D  
 N. Y.—Buffalo  
 Case & Son, W. A. (Boiler Tube) AA  
 Sherwood Mfg. Co. (Flue; Boiler Tube) B  
 White Co., L. & I. J. (Ship Deck; Block; Hog) A  
 N. Y.—Cleron  
 Celeron Steel Co. (Cold Pressed Steel; Drag; Road) D  
 N. Y.—Coxsackie  
 Gates, Elias (Sidewalk)...E  
 N. Y.—Frankfort  
 Acme Road Machinery Co. (Drag; Wheel Road) C  
 N. Y.—Gowanda  
 Gowanda Agricultural Wks. Co. (Drag; Road) B  
 N. Y.—Greenwich  
 Eddy Plow Co., W. (Drag) B  
 N. Y.—Horseheads  
 Weller Hdw. & Foundry Co. (Cast Foot) D  
 N. Y.—Marathon  
 Climax Road Machine Co. (Drag; Wheel Road)...B  
 New York City  
 Chatillon & Sons, John, 85 Cliff (Butcher Block; Hog) A  
 Fiske, J. W. Ironworks (Foot) A  
 Jennings Co., C. E., 42 Murray (Bench; Cabinet; Wall) D  
 Lidgerwood Mfg. Co., 96 Liberty (Self-Filling) AAA  
 New York Agricultural Co., 51 Cliff (Drag) X  
 Reilly Bros. (Wall) D  
 Sergeant & Co., 151 Leonard (Foot) AAAA  
 Smith & Hemenway Co., 296 B'way (Hog) D

**SCRAPERS (Con.)**

N. Y.—Rome  
 Adams & Sons, S. (Drag) O  
 N. Y.—Schenectady  
 Dakin, John H. (Broom Corn) A  
 Westinghouse Co. (Broom Corn) A  
 N. Y.—Syracuse  
 Smiths & Powell Co. (Foot) X  
 Stearns Co., E. C. (Box; Foot) AA  
 Syracuse Chilled Plow Co. (Drag; Wheel Road)...AA  
 OHIO—Akron  
 Whitman & Barnes Mfg. Co. (Drag; Road) AAAA  
 OHIO—Canton  
 Kohler & Co., F. E. (Flue; Sidewalk; Kettle) O  
 OHIO—Cincinnati  
 Bishop Co., Geo. H. (Cabinet; Bench) A  
 Haven Co., Jas. L. (Drag; Foot) X  
 Schriver & Co., O. P. (Sidewalk) O  
 Tatum Co., Samuel C. (Box; Cabinet) B  
 OHIO—Cleveland  
 American Fork & Hoe Co. (Walk; Street)...AAAA  
 Empire Plow Co. (Drag; Road) A  
 Lamson & Sessions Co. (Stove) AA  
 Osborn Mfg. Co. (Floor)...A  
 OHIO—Columbus  
 Kilbourne & Jacobs Mfg. Co. (Drag; Road; Ditching; Wheeled) AA  
 OHIO—Fremont  
 Lehr Agricultural Company (Drag; Road) B  
 OHIO—Lancaster  
 Hocking Valley Mfg. Co. (Drag) A  
 OHIO—Manassfield  
 Monarch Stove & Mfg. Co. (Track; Street Railway) B  
 OHIO—Plymouth  
 Root Bros. Co. (Foot)...B  
 OHIO—Ravenna  
 Williams A. C. (Foot)...A  
 OHIO—Salem  
 Clarke Co., W. J. (Hog)...B  
 OHIO—Sidney  
 American Steel Scraper Co. (Drag; Wheeled Road; Drag Revolving) A  
 Sidney Steel Scraper Co. (Drag; Wheeled Road; Ditching; Road) B  
 Slusser-McLean Scraper Co. (Drag; Wheeled Road) C  
 OHIO—Springfield  
 Ridgely Trimmer Co. (Paper Hangers') B  
 PA.—Chester  
 Black & Co., H. S. (Box) AA  
 PA.—Howard  
 Howard Iron & Tool Co. (Coke Oven) B  
 PA.—Kennett Square  
 American Road Machine Co. (Drag; Wheeled Road) AA  
 Good Roads Machinery Co. (Drag; Wheeled Road)...D  
 PA.—Mechanicsburg  
 Comstock, Geo. S. (Drag; Road) D  
 PA.—Mount Joy  
 Gray Iron Casting Co. (Ltd.) (Foot) AAA  
 PA.—Philadelphia  
 Bonney Vise & Tool Wks., 3015 Chestnut (Wall)...O  
 Brill Co., J. G. (Track; Street Railway) AAAA  
 Diston & Sons, Henry (Cabinet; Steel; Bench; Machinists'; Wall)...AAAA  
 Stortz & Son, Jno., 210 Vine (Box; Plumbers'; Burning-off; Shop; Painters'; Wall) F  
 PA.—Pittsburg  
 Lippert, E. T. (Wall)...X

**SCRAPERS (Con.)**

**PA.—Reading**  
Reading Hdw. Co. (Foot) .....AAAA

**PA.—Scottsdale**  
Kenney & Co. (Coke Oven) .....A

**PA.—South Bethlehem**  
Bethlehem Fdy. & Machine Co. (Foot; Road) .....C

**PA.—Washington**  
Petroleum Iron Works Co. (Pipe Line) .....B

**PA.—Williamsport**  
Darling Pump & Mfg. Co. (Boiler Tube) .....B

**E. I.—Providence**  
Nicholson File Co. (Machinists') .....AAA

**W. VA.—Wheeling**  
Wheeling Hinge Co. (Stove) .....AA

**WIS.—Beloit**  
Thompson & Sons' Mfg. Co., J. (Drag; Road) .....AA

**WIS.—Manitowoc**  
Smalley Mfg. Co. (Road) ..B

**SCREENINGS**

**OHIO—Youngstown**  
Bessemer Limestone Co. (Stone) .....A

**PA.—Harrisburg**  
Walton Quarries (Stone) ..E

**PA.—Philadelphia**  
Shanley Co., B. M. & J. F., 14 S. Broad (Stone) ....F

**PA.—Pittsburg**  
Blair & Co., Reed F., Frick Bldg. (Limestone) .....C

Winfield Sand Co., 421 Wood (Stone) .....B

**SCREENS**

See also Furniture also  
Cloth; Wire

**ARK.—Pine Bluff**  
Bluff City Lumber Co. (Window; Door) .....AAA

**CAL.—San Francisco**  
Calif. Perforating Screen Co., 147 Beale (Mining; Sand; Coal; Gravel) ....D

Pacific Tank Co., 35 Beale (Revolving; Shaking) ...A

Union Iron Works, 222 Market (Revolving; Shaking) .X

**COLO.—Denver**  
Colorado Iron Works Co. (Mining) .....AA

Davis Iron Works Co., F. M., 8th & Larimer (Mining) .....AA

Denver Eng. Works Co. (Mining) .....A

Mine & Smelter Supply Co., Blake & 17th (Mining) .....AAAA

**CONN.—Georgetown**  
Gilbert & Bennett Mfg. Co. (Sand; Coal; Gravel) .AAA

**CONN.—Meriden**  
Bradley & Hubbard Mfg. Co. (Fire) .....AAA

**CONN.—Mt. Carmel**  
Woodruff & Sons, Walter W. (Dash) .....A

**CONN.—New Haven**  
Hendryx Co., Andrew B. (Cage; Guards) .....A

**CONN.—Southport**  
Jelliff & Co., C. O. (Coal) .....D

**DEL.—Wilmington**  
Pusey & Jones Co. (Pulp Mill) .....AAA

Walker & Elliott (Rolling) .....B

**GA.—Atlanta**  
Atlanta Wire & Iron Works (Mining; Sand; Coal; Gravel; Window; Door) .F

**ILL.—Aurora**  
Western Wheeled Scraper Co. (Revolving; Shaking) .....AA

**ILL.—Bloomington**  
Dunlap Mfg. Co. (Clay; Cement) .....D

**SCREENS (Con.)**

**ILL.—Chicago**  
Atchinson Perforated Metal Co., Robert, 303 Dearborn (Mining; Sand; Coal; Gravel; Flax) .....X

Allis-Chalmers Co., Home Ins. Bldg. (Mining; Revolving; Shaking; Coal; Iron; Gravel; Sand; Perforated Metal) .....AAAA

Barbee Wire & Iron Works, 44 Dearborn (Sand; Coal; Gravel; Revolving; Steel; Window; Wire) .....B

Borden & Selleck Co., 48 Lake (Sand; Coal) .....B

Caldwell & Son Co., H. W., Western Av. & 17th (Revolving; Sand; Coal) ..AA

Dodge & Co., H. B., 108 La Salle (Window; Door) .....D

Harrington & King Perforating Co., 224 N. Union (Mining; Revolving; Perforated Metal; Shaking; Sand; Coal; Gravel; Rice; Coffee; Grain) .....A

Holsting & Conveying Machinery Co., 44 N. Elizabeth (Mining; Revolving; Shaking) .....E

Hubbell & Son, 169 E. 39th (Window; Door) .....H

Murphy & Co., Christopher, 204 Dearborn (Portable; Pneumatic; Revolving; Shaking) .....B

Winslow Bros. Co., 368 Carroll Av. (Iron; Brass; Bronze; Ornamental Radiator; Fire) .....AA

**ILL.—Decatur**  
Mueller Mfg. Co., H. (Sand) .....AAA

**ILL.—Geneva**  
Wheeler Screen Co. (Window; Door) .....C

**ILL.—Harvey**  
Whiting Foundry Equipment Co. (Sand) .....AA

**ILL.—Kankakee**  
Sheldon Novelty Co. (Folding) .....A

**ILL.—Peoria**  
Lucas & Sons, A. (Coal Mine Shaking) .....B

**ILL.—Quincy**  
Menke & Grimm Planing Mill Co. (Window; Door) .....C

**ILL.—Rockford**  
Rockford Screen Co. (Window; Door) .....F

**IND.—Goshen**  
I. X. L. & Goshen Pump Co. (Extension, &c.; Window; Door) .....B

**IND.—Lafayette**  
Barbee Wire & Iron Works (Mining; Fire; Coal) ...B

**IND.—Terre Haute**  
Eagle Iron Works (Shaking; &c.; Mining; &c.; Revolving; Shaking) .....C

Prox & Brinkman Mfg. Co. (Mining; Coal; Revolving) .....A

**IOWA—Clinton**  
Curtis Bros. & Co. (Door; Window) .....AAA

**IOWA—Des Moines**  
Carr & Adams Co. (Window; Door) .....B

**IOWA—Muscatine**  
Roach & Musser Sash & Door Co. (Window; Door) .....AAA

**IOWA—Ottumwa**  
Ottumwa Iron Works (Coal; Elevators) .....B

**KANS.—Fort Scott**  
Fort Scott Foundry & Machine Co. (Ore) .....H

**KANS.—Leavenworth**  
Great Western Mfg. Co. (Gravel; Rolling) ..AA

**KY.—Bowling Green**  
Hartman Sliding Blind Co. (Window; Door) .....D

**KY.—Louisville**  
Dow Wire Works Co., 730

# **SCREENS (Con.)**

W. Market (Window; Door) .....D  
**KY.—Newport**  
 Higgin Mfg. Co. (Window; Door; Metal Frame) ...A  
**MAINE—Portland**  
 Burrowes Co., E. F. (Window; Doors; also Wire Insect; Fly; Wire Partition) .....AA  
**MASS.—Boston**  
 Coffin Valve Co. (Copper Wire) .....D  
 Howes Co., S. M. (Fire Folding) .....B  
 May & Freeman, 178 Devonshire (Sliding Window; Door) .....E  
 Steel Cable Engineering Co., 92 State (Revolving)....B  
**MASS.—Brookline**  
 American Screen Co. (Window; Metal Frame; Door) D  
**MASS.—Clinton**  
 Clinton Wire Cloth Co. (Mining; Sand; Coal; Gravel) .....AAA  
**MASS.—Fitchburg**  
 Union Machine Co. (Pulp Mill) .....B  
**MASS.—Gardner**  
 Heywood Bros. & Wakefield Co. (Folding; Reed; Rattan) .....AAAA  
**MASS.—Quincy Hall**  
 Ames Plow Co. (Sand; Coal; Gravel) .....AAAA  
**MASS.—South Easton**  
 Purinton Co., C. F. (Rolling Window) .....F  
**MASS.—Springfield**  
 Bigelow-Cheney Wire Wks. (Sand; Coal; Gravel)....A  
**MASS.—Worcester**  
 Wright Wire Co. (Sand; Coal; Revolving; White Mortar) .....A  
**MICH.—Detroit**  
 Acme Fancy Wire Works, Canfield Av. & Moran (Ornamental Radiator) ...D  
 Barnum Wire & Iron Wks., E. T. (Sand; Gravel; Coal) .....B  
 Huebner Screen Door Co., Farnsworth Av. & Dequindre (Window; Door) ...C  
 Michigan Wire Cloth Co., 501 Howard (Mining; Revolving; Shaking; Sand; Coal; Gravel; Window; Door) .....AA  
 Phoenix Wire Works (Sand; Coal; Gravel) .....D  
 Vulcan Co. (Bank Counter) F  
**MICH.—Fenton**  
 Phillips Co., A. J. (Window; Door) .....A  
**MICH.—Grand Rapids**  
 Fuller & Rice Lumber & Mfg. Co. (Window; Door) AA  
 Royal Furniture Co. ....A  
**MICH.—Muskegan**  
 Langeland Mfg. Co. (Window; Door) .....C  
 McGrath & Son, N. (Window; Door) .....A  
**MICH.—Northville**  
 Dubuar Mfg. Co., J. A. (Door; Window) .....X  
**MICH.—Owosso**  
 Owosso Mfg. Co. (Window; Door) .....AA  
 Screen Door & Window Co. (Window; Door) .....C  
**MO.—Kansas City**  
 Kansas City Wire & Iron Works (Fly) .....A  
 Urie Boiler & Machine Co. (Mining) .....B  
**MO.—St. Louis**  
 Ludlow-Saylor Wire Co. (Coal; Sand; Ore; Radiator) .....AA  
 South St. Louis Fdy. Co., 7516 S. B'way (Mining) C  
 Webber Moulding Co., J. R. F

# **SCREENS (Con.)**

Williams Mfg. Co., Milton F. (Clay) .....B  
**N. H.—Keene**  
 Fish & Co., A. E. (Window; Door) .....E  
**N. J.—High Bridge**  
 Taylor Iron & Steel Co. (Revolving; Shaking) .AAAA  
**N. J.—Hoboken**  
 Ferguson Bros. Mfg. Co. (Folding) .....A  
**N. J.—Jersey City**  
 Krom Machine Wks. (Revolving; Shaking) .....D  
 Steele & Condict, Pearl & Steuben (Revolving; Shaking) .....B  
**N. Y.—Bainbridge**  
 American Separator Co. (Cream) .....B  
**N. Y.—Brooklyn**  
 Hecla Iron Works, N. 11th & Berry (Ornamental Radiator) .....AA  
**N. Y.—Buffalo**  
 Buffalo Wire Works Co. (Sand; Coal) .....D  
 Churchyard, Joseph J. (Window) .....X  
 Noye Mfg. Co., John T. (Rolling) .....X  
**N. Y.—Cortland**  
 Cortland Door & Window Screen Co. (Window; Door) .....C  
 Wickwire Bros. (Sand; Coal; Gravel) .....AAAA  
**N. Y.—Frankfort**  
 Acme Road Machinery Co. (Revolving; Shaking) .B  
**N. Y.—Fulton**  
 Dilts Machine Wks. (Pulp Mill) .....B  
**N. Y.—Horseheads**  
 Horseheads Screen Door Co. (Window; Door) .....X  
**N. Y.—Jamestown**  
 Fenton Metallic Mfg. Co. (Counter Metallic) ....A  
 Watson Mfg. Co. (Window; Door; Made to Order) .D  
**New York City**  
 Bacon, Earle C., 26 Cortlandt (Revolving; Shaking) .....B  
 Cabbie Excelsior Wire Mfg. Co., Wm. (Coal; Sand) .B  
 Denzi & Phillips (Stained Glass) .....C  
 Ester Wire Works, 59 Fulton (Sand; Coal; Gravel) D  
 Homan Co., Andrew, 446 Water (Folding) .....D  
 Howard & Morse, 45 Fulton (Mining; Revolving; Window; Door; Iron; White Mortar; Shaking; Sand; Coal; Gravel) .....D  
 Hunt Co., C. W., 45 B'way (Sand; Coal; Gravel) .AA  
 Jackson Co., Wm. H., 29 E. 17th (Bank Counter a Specialty; Fire) .....A  
 Judd & Co., H. L. (Fire; Brass) .....AA  
 Lamb, J. & R. (Fire; Fire Brass; Stained Glass) .D  
 Manhattan Perforated Metal Co., 237 Centre (Brass Perforated) .....F  
 Maxwell's Son, John (Cage; Guard) .....X  
 Mundt & Sons, Chas., 441 Pearl (Mining; Revolving; Sand; Shaking; Coal; Gravel) .....B  
 Patent Metallic Weather Strip Co., 133 W. 23d (Window; Door) .....E  
 Roebuck Weather Strip & Wire Screen Co. (Door; Window) .....X  
 Schloss & Co., E. (Hand Painted) .....A  
 Williams & Sons, G. A. (Window) .....X  
 Wilson Mfg. Co., Jas. G., 3 W. 29th (Window; Door) .....A  
**N. Y.—Sandy Hill**  
 Sandy Hill Iron & Brass

- SCREENS (Con.)**  
 Works (Pulp Mill) ....A  
**N. Y.—Syracuse**  
 Stearns & Co., E. C. (Door;  
 Window) .....AA  
 Syracuse Wire Works, 815  
 E. Water (Sand; Coal;  
 Gravel) .....D  
**N. C.—Charlotte**  
 Mecklenburg Iron Works  
 (Mining) .....X  
**OHIO—Bucyrus**  
 American Clay Working Ma-  
 chinery Co. (Clay; Cemen-  
 t) .....X  
**OHIO—Canton**  
 Aultman Co. (Mining; Re-  
 volving; Shaking) .....X  
 Bonnot Co. (Clay Working;  
 Revolving; Shaking) ...A  
**OHIO—Cincinnati**  
 Bromwell Brush & Wire  
 Goods Co. (Coal; Gravel;  
 Sand) .....AA  
 Cincinnati Mfg. Co., 512  
 Main (Sand; Coal; Gravel)  
 B  
 Day Co., J. H. (Sand; Clay,  
 &c.; Revolving; Shaking)  
 A  
 Littleford Bros., 453 E.  
 Pearl (Mining; Revolving;  
 Shaking; Sand; Gravel;  
 Coal) .....B  
**OHIO—Cleveland**  
 Osborn Mfg. Co. (Coal;  
 Sand) .....B  
 Standard Sand & Mach. Co.  
 (Power; Hand Fdy.)...C  
 Taylor & Boggis Fdy. Co.  
 (Door; Window) .....AA  
 Tyler Co., W. S., 1150 St.  
 Clair (Mining; Sand; Re-  
 volving; Coal; Gravel)  
 AAAA  
**OHIO—Columbus**  
 Jeffrey Mfg. Co. (Clay;  
 Coal; Cement; Revolving;  
 Sand; Vibrating) .AAAA  
**OHIO—Cuyahoga Falls**  
 Turner, Vaughan & Taylor  
 Co. (Sand; Coal; Gravel)  
 B  
**OHIO—Dayton**  
 Raymond Co., C. W. (Clay;  
 Cement) .....A  
**OHIO—Greenville**  
 Hart Mfg. Co. (Window;  
 Door) .....X  
**OHIO—Hamilton**  
 Black-Clawson Co. (Pulp  
 Mill) .....AAA  
 Meyers Mfg. Co., Fred. J.  
 (Lime; Revolving; Sand;  
 Window; Coal; Gravel) .B  
**OHIO—Lancaster**  
 Eagle Machine Co. (Win-  
 dow) .....A  
 Martin Brick Mfg. Co., C.  
 (Clay) .....B  
**OHIO—Lima**  
 Monroe Screen, Blind & Par-  
 titition Co. (Window; Door)  
 H  
**OHIO—Marietta**  
 Introstyle Novelty Mfg. Co.  
 (Window; Door) .....F  
**OHIO—Nelsonville**  
 Nelsonville Fdy. & Machine  
 Co. (Revolving; Shaking)  
 B  
**OHIO—Niles**  
 Niles Mine & Mill Supply  
 Co. (Mining) .....B  
**OHIO—Norwalk**  
 Bostwick-Godell Co. (Win-  
 dow; Door) .....C  
**OHIO—Toledo**  
 Maclaren & Sprague Lum-  
 ber Co. (Window; Door)  
 A  
**PA.—Allegheny**  
 Carlin's Sons, Thos. (Re-  
 volving) .....A  
 Pittsburgh Lamp, Brass &  
 Glass Co. (Fire Brass)  
 AAAA  
**PA.—Carbondale**  
 Carbondale Machine Co.  
 (Mining; Sand; Coal; Re-  
 volving; Gravel; Vibrat-  
 ing) .....AA  
 Hendrick Mfg. Co. (Ltd.)
- SCREENS (Con.)**  
 (Coal; Ore; Sand) ...AA  
**PA.—Connellsville**  
 Connellsville Machine &  
 Car Co. (Mining) .....A  
**PA.—Ellwood City**  
 Glen Mfg. Co. (Coal; Sand)  
 C  
**PA.—Kennett Square**  
 American Road Machine Co.  
 (Revolving; Shaking) .AA  
**PA.—Lancaster**  
 Martin Brick Machine Mfg.  
 Co., Henry (Clay) .....B  
**PA.—Monongahela**  
 Monongahela Mfg. Co. (Re-  
 volving; Shaking) .....B  
**PA.—Philadelphia**  
 American Parquetry Floor  
 Co., 148 S. 13th (Window;  
 Door) .....C  
 Cresson Co., Geo. V., 18th  
 & Allegheny Av. (Coal;  
 Sand) .....AA  
 Darby & Sons' Co., Edward,  
 233 Arch (Sand; Door;  
 Coal; Gravel; Window) .A  
 De Witt Wire Cloth Co.,  
 703 Market (Window;  
 Door) .....A  
 Merritt & Co., 1024 Ridge  
 Av. (Mining) .....B  
 Paxson Co., J. W. (Coal;  
 Sand) .....AA  
 Phila. Screen Mfg. Co.  
 (Window; Door) .....A  
**PA.—Pittsburg**  
 Mesta Machine Co. (Ash;  
 Crusher) .....AAAA  
 Phillips Mine & Mill Supply  
 Co. (Shaking; Sand; Coal;  
 Gravel) .....AA  
**PA.—Pittston**  
 Exeter Machine Works (Re-  
 volving; Shaking) ....AA  
**PA.—White Haven**  
 Wallace, Samuel (Revolv-  
 ing; Shaking) .....D  
**PA.—Wilkesbarre**  
 Vulcan Iron Works (Mining;  
 Revolving; Shaking; Coal;  
 Sand; Gravel; Perforated  
 Metal) .....AAAA  
**R. I.—Providence**  
 N. E. Ventilating & Heating  
 Co. (Card) .....D  
 What Cheer Wire Works  
 (Sand; Coal; Gravel) ...F  
**TEXAS—Dallas**  
 Dallas Screen Co. (Window;  
 Door) .....F  
 Hatch Mfg. Co. (Window;  
 Door) .....X  
**VT.—Bennington**  
 Scott, Olin (Pulp Mill)...A  
**VT.—Burlington**  
 Burlington Venetian Blind  
 Co. (Door; Fly; Window)  
 A  
 Porter Screen Mfg. Co. (Fly;  
 Window; Door; Exten-  
 sion) .....C  
 Queen Anne Screen Co.  
 (Fly; Window; Door; Ex-  
 tension) .....A  
**WIS.—Appleton**  
 Valley Iron Wks. Co. (Pulp  
 Mill) .....C  
**WIS.—Cudahy**  
 Power Mining & Machinery  
 Co. (Mining) .....AAA  
**WIS.—Milwaukee**  
 Meinecke & Son, A. (Bam-  
 boo) .....AA  
 Phoenix Mfg. Co. (Window)  
 F  
 Willer Mfg. Co. (Window;  
 Door; Border only) ...A  
 Wisconsin Iron & Wire  
 Works, 186 E. Water  
 (Sand; Coal; Gravel)...D  
**WIS.—Oshkosh**  
 McMillan Co., R. (Window;  
 Door) .....A  
**WIS.—Wausau**  
 Curtis & Yale Co. (Window;  
 Door) .....AA

## SCREWS

See also Corkscrews

**SCREWS (Con.)****CAL.—San Francisco**

Payne Bolt Works, 121 Howard (Cap; Set).....AA

**CONN.—Bridgeport**

Bridgeport Brass Co. (Brass; Copper; Bronze; Oil) AAA

Bridgeport Gun Implement Co., 219 Elm (Wood), AA

Gaynor &amp; Mitchell Mfg. Co. (Brass for Steam; Gas; Water Fittings) .....C

Hubbell Harvey (Brass; Brass Machine Plumbers; Special; Cap, Set) .....C

**CONN.—Chester**

Brooks &amp; Sons, M. S. (Dowel; Wing Wood) .....B

**CONN.—Derby**

Shelton Co. (Bed; Couch; Lag) .....A

**CONN.—Forestville**

Young Bros. (Brass Machine Cap; Set; Machine from Sample only) .....F

**CONN.—Hartford**

Atlantic Screw Wks. (David Fitton, Prop.) (Machine; Wood) .....AA

Billings &amp; Spencer Co. (Thumb) .....AA

Cook C., Asa S. (Coach; Lag) .....G

Hartford Machine Screw Co. (Bicycle; Gib; Machine; Cap; Clock; Watch; Collar; Eye Glass; Gun; Knurled Head Thumb; Optical; Set; Sewing Machine; Special; Thumb) .....AAAA

Spencer Automatic Machine Screw Co. (Brass; Copper; Bronze Machine; Cap; Set) .....X

**CONN.—Meriden**

Foster Merriam &amp; Co. (Wood) .....AA

Miller &amp; Co., Edward (Oil) .....AAAA

Parker, Chas. Co. (Couch; Lac; Wood) .....AAA

**CONN.—Milledale**

Clarke Bros. Bolt Co. (Cap; Set; Coach; Lag) .....A

**CONN.—Mt. Carmel**

Mt. Carmel Bolt Co. (Brass; Copper; Bronze; Machine; Flathead; Wood; Nickel; Silver) .....B

Woodruff &amp; Sons Co., Walter W. (Brass Plated; Brass, Silver Capped)....A

**CONN.—New Britain**

Corbin, P. &amp; F. (Brass Machine; Caps; Set; Coach; Lag; Collar; Hand Rail; Hand Saw; Machine Wood Dowel; Knob) .....AAAA

Humason &amp; Beckley Mfg. Co. (Wood) .....A

North &amp; Judd Mfg. Co. (Pad) .....AA

Russell &amp; Erwin Mfg. Co. (Brass Machine; Shutter; Wood; Machine; Knob) .....AAAA

**CONN.—New Haven**

Cowles &amp; Co., C. (Inc.) (Wood) .....A

Grilley Co. (Brass; Copper; Bronze; German Silver; Cap; Plated; Pad) .....C

North &amp; Co., O. B. (Pad) .....AA

Reeves Mfg. Co. (Brass Machine) .....C

Reynolds &amp; Co. (Brass Machine; Square; Round; Hex Head; Coach; Lag; Gib; Set; Machine; Stud; Can) .....B

Sargeant &amp; Co. (Hand Rail; Hand Saw; Shutter; Wood; Bench; Looking Glass Piano Stool; Window Sten) .....AAAA

**CONN.—Pine Meadow**

Chapin-Stephens Co. (Hand; Bench) .....A

**CONN.—Southington**

Peck, Stow &amp; Wilcox Co. (Hand; Shutter; Jack; Bench) .....AAAA

**SCREWS (Con.)****Southington Outlery Co.**

(Wood; Brass) .....AA

**CONN.—Stamford**

Yale &amp; Towne Mfg. Co. (Gib) .....AAAA

**CONN.—Torrington**

Progressive Mfg. Co. (Brass Machine; Piano Hardware; Special) .....A

**CONN.—Unionville**

Upson Nut Co., (Cap; Wood; Coach; Lag; Set; Bed; Hanger) .....AAAA

**CONN.—Waterbury**

American Pin Co. (Brass; Plumbers) .....AA

American Ring Co. (Mirror; Picture Hanging) .....A

Blake &amp; Johnson (Brass; Bronze; German Silver; Copper; Machine Special) .....A

Steele &amp; Johnson Mfg. Co. (Bibb; Brass; Copper; Bronze; Brass; Machine; Plumbers; Thumb) .....A

**CONN.—Winsted**

Browne Machine Co. (Chair; Piano Stool; Wood) .....X

Moore, Franklin Co. (Wood) .....A

**DEL.—Wilmington**

Diamond State Steel Co. (Coach; Lag; Wood)....X

**GA.—Augusta**

Lombard Iron Works &amp; Supply Co. (Jack) .....A

**ILL.—Belleville**

Belleville Pump &amp; Skein Works (Building Movers; Jack) .....AA

**ILL.—Carpentersville**

Illinois Iron &amp; Bolt Co. (Jack; House Raising; Locomotive; Track; Press) .....AA

**ILL.—Chicago**

Acorn Brass Mfg. Co., 206 Fulton (Special) .....D

Besley &amp; Co., Chas. H., 10 N. Canal (Special; Thumb) .....AA

Columbia Screw Co. (Gimlet Pointed; Brass; Copper; Bronze; Gimlet Pointed Collar; German Silver; Handrail; Hanger; Machine; Plumbers; Wood) B

Illinois Malleable Iron Co., 30 W. Monroe (Piano Stool) .....AAAA

Read Co., A. P., 16 N. Canal (Window Stop) .....X

Republic Iron &amp; Steel Co. (Coach; Lag; Gimlet Pointed; Hanger; Skein; Stud) .....AAAA

Smith Mfg. Co., F. N., 18 W. Randolph (Special) .....D

Standard Screw Co., 2 W. Canal (Bed; Iron; Brass; Machine; Stud; Thumb; Wood; Cap; Brass Bicycle; Collar; Set) .....AAA

Walker &amp; Ehrman Mfg. Co. 127 W. Wash. (Cap; Set; Collar; Machine; Thumb) .....A

Whitman &amp; Barnes Mfg. Co. (Wood) .....AAAA

**ILL.—Edwardsville**

Edwardsville Brass Co. (Plumbers, also Floor) ..B

**ILL.—Harvey**

Buda Foundry &amp; Mfg. Co. (Jack; Track) .....AA

**ILL.—Rockford**

Barnes Co., W. F. &amp; John (Press) .....AA

Rockford Bolt Works (Cap; Coach; Collar; Hanger; Machine; Skein; Thumb; Set; Lag) .....X

**IND.—Mishawaka**

Dodge Mfg. Co. (Hand; Bench) .....AAA

**MD.—Baltimore**

Dietrich Bros. (Coach; Lag) .....B

National Supply Co. (Coach; Gimlet Point; Skein) ...B

# SCREWS (Con.)

**MASS.—Boston**  
 Boston Bolt Co., 33 Purchase  
 (Building Movers; Coach;  
 Lag; Hangers) .....C  
 Dame, Stoddard & Co.  
 (Cork) .....A  
 New England Screw Co.  
 (Plumbers) .....E  
 Narton, A. O. (Track; Loco-  
 motive Jack) .....AA  
 Welch & Co., F. F., 65 Sud-  
 bury (Brass; Copper;  
 Bronze; Brass Thumb) ..D  
**MASS.—Canton**  
 Kingsley Iron & Machine Co.  
 (Building Movers) ...AA  
**MASS.—Fitchburg**  
 Parker, C. U. (Wood)....X  
 Simonds Mfg. Co. (Saw) AAA  
**MASS.—Hopedale**  
 Draper Co. (Machine) AAAAA  
**MASS.—Lowell**  
 Aldrich, William K., 587  
 Dutton (Hand; Bench  
 Wood; Wooden) .....F  
 Hope & Co., Wm. H. (Cap;  
 Set; Milled Machine) ...X  
 Turner, John D. (Machine) D  
**MASS.—Millers Falls**  
 Millers Falls Co. (Jack), AA  
**MASS.—Shelbourne Falls**  
 Mayhew Co., H. H. (Wood) D  
**MASS.—Springfield**  
 Bemis & Call Hdw & Tool  
 Co. (Wood) .....A  
**MASS.—Worcester**  
 Draper Machine Tool Co.  
 (Machine) .....B  
 McCloud, Crane & Winter Co.  
 (Brass; Copper; Bronze;  
 Brass Machine; Caps;  
 Set; Collar; Gib; Hanger;  
 Machine; Stud) .....X  
 Parker Wire Goods Co.  
 (Hand Rail) .....D  
 Reed & Curtis Mach. Screw  
 Co. (Machine).....D  
 Reed & Prince Mfg. Co.  
 (Brass; Copper; Bronze;  
 Wood) .....B  
 Wilson & Smith (Coach;  
 Lag) .....E  
 Wire Goods Co. (Hand Rail;  
 Dowel; Thumb) .....A  
 Worcester Machine Screw  
 Co. (Cap; Collar; Ma-  
 chine Set) .....AAA  
 Wright Wire Co. (Wood;  
 Brass) .....AA  
**MICH.—Detroit**  
 Detroit Screw Works (Cap;  
 Set; Iron Hand; Bench  
 with Metal Bearings; Ma-  
 chine; Thumb) .....A  
 Michigan Bolt & Nut Works,  
 ft. Meldrum Av. (Coach;  
 Lag Hanger; Skeln) ..AA  
**MICH.—Grand Rapids**  
 Grand Rapids Brass Co.  
 (Brass; Special) .....A  
 Grand Rapids Hand Screw  
 Co. (Hand; Bench) .....B  
**MICH.—Port Huron**  
 Port Huron Steel & Screw  
 Co., Ltd. (Cap; Set) ....X  
**MINN.—Minneapolis**  
 Howell & Co., R. R. (Jack) B  
**MO.—Kansas City**  
 Kansas City Bolt & Nut Co.  
 (Bed; Can. Set; Coach;  
 Hanger; Skeln) .....A  
**MO.—St. Louis**  
 Moran Bolt & Nut Mfg. Co.,  
 Cor. Florida & Main (Lag;  
 Coach; Hanger; Hook;  
 Eye; Skeln) .....A  
 St. Louis Screw Co., 3014 N.  
 18th (Can. Collar; Gib;  
 Special; Thumb; Bicycle;  
 Brass; Copper; Bronze;  
 Brass; Machine; Set;  
 Stud) .....A  
**N. H.—Amherst**  
 Rockwell Clough Co. (Cork) E  
**N. H.—Wilton**  
 Pierce & Co., W. E.  
 (Wooden) .....D

# SCREWS (Con.)

**N. J.—Jersey City**  
 Mack Mfg. Co., Thos. A.  
 (Special Machine) .....X  
**N. J.—Newark**  
 National Saw Co. (Saw) ..B  
 Williamson Wire Novelty  
 Co., C. F. (Cork) .....B  
**N. Y.—Brooklyn**  
 Taylor & Co., (Inc.) (Jack) D  
 Williams & Co., J. H.  
 (Thumb) .....AA  
**N. Y.—Buffalo**  
 Buffalo Bolt Co. (Brass;  
 Mirror; Picture Hanging) AA  
 Buffalo Last Works (Crimp-  
 ing) .....B  
 Contractors Plant Mfg. Co.  
 (Jack) .....B  
 Niagara Screw Co. (Cap;  
 Set; Collar) .....X  
 Pratt & Letchworth Co.  
 (Pad) .....AAA  
**N. Y.—Munnsville**  
 Munnsville Plow Co. (Jack) B  
**New York City**  
 Dunlap Machinery Co.  
 (Crimping) .....F  
 Greenlee, Wyatt & Co., 499  
 Water (Cap; Set; Coach;  
 Lag) .....B  
 Hungerford Brass & Copper  
 Co., U. T., 497 Pearl  
 (Brass; Copper; Bronze) AA  
 Olney & Warrin, 38 Dey  
 (Cap; Set) .....D  
 Smith & Hemenway Co., 296  
 Bway. (Cork) .....D  
 Tiebout, W. & J., 118 Cham-  
 bers (Hook; Eye) .....B  
 Watson-Stillman Co. (Jack) A  
**N. Y.—Portchester**  
 Russell, Burdell & Ward,  
 Bolt & Nut Co. (Cap; Set) AAAA  
**N. Y.—Rochester**  
 Rochester Machine Screw Co.  
 (Bicycle; Brass; Copper;  
 Bronze; Cap; Set; Ma-  
 chine; Stud; Thumb) ...B  
**N. Y.—Seneca Falls**  
 Gould's Mfg. Co. (Jack) AAA  
 Rumsey & Co., (Ltd.) (Jack;  
 Press) .....A  
**N. Y.—Syracuse**  
 Central City Bolt Co.  
 (Coach; Lag) .....C  
 Stearns & Co., E. C. (Bench;  
 Jack) .....AA  
**OHIO—Canton**  
 Elbel & Co. (Pad) .....A  
 Gilligan Mfg. Co. (Brass), A  
**OHIO—Cincinnati**  
 Bishop, Geo. H. & Co. (Saw) A  
 Cinn. Screw & Tap Co. (Cap  
 Collar; Machine; Thumb;  
 Coach; Lag; Set; Special;  
 Wood) .....A  
 Haven Co., James L.  
 (Bench) .....X  
 Queen City Supply Co. (Ma-  
 chine) .....A  
**OHIO—Cleveland**  
 Atlas Bolt & Screw Co. (Ma-  
 chine) .....AA  
 Cleveland Automatic Mach.  
 Co., 131 2d Av. (Hanger) AAA  
 Cleveland Can Screw Co., 66  
 Clarkewood Av. (Cap; Set) A  
 Kirk-Latty Mfg. Co. (Ma-  
 chine) .....A  
 Lake Erie Iron Co. (Coach;  
 Lag; also Gimlet Pointed  
 Coach) .....AAA  
 Lamson & Sessions Co., 412  
 Scranton Av. (Coach; Lag;  
 Skeln) .....AA  
 National-Acme Mfg. Co.  
 (Can. Set; Machine) ...AA  
 National Screw & Tack Co.  
 (Bicycle; Brass; Copper;  
 Bronze; Brass Machine;  
 Can. Set; Coach; Lag;  
 Hanger; Wood) .....AA

**SCREWS (Con.)**  
 Sanitary Co. (Plumbers) ..B  
 Union Steel Screw Co.  
 (Brass; Copper ;Bronze  
 Wood) .....AAA  
 Vulcanus Forging Co. (Forg-  
 ed Coach; Lag) .....B  
**OHIO**—Columbus  
 Columbus Bolt Works  
 (Coach; Lag) .....AA  
 Ohio Tool Co. (Iron; Bench;  
 Wood; Hand) .....AA  
**OHIO**—Dayton  
 Joyce, Cridland Co. (Loco-  
 motive; Track; Traver-  
 sing) .....B  
**OHIO**—Elyria  
 Western Automatic Machine  
 Screw Co. (All Kinds) ..AA  
**OHIO**—Sandusky  
 Sandusky Tool Co. (Wood;  
 Hand; Bench) .....A  
**PA.**—Erie  
 Campbell Brass Works, J. B.  
 (Trap) .....A  
 Erie Specialty Co. (Cork) ..B  
**PA.**—Lebanon  
 American Iron & Steel Mfg.  
 Co. (Caps; Coach; Hanger;  
 Hook; Eye; Skein; Wood;  
 Drive; Ore Washer; Set;  
 Lag; Special) .....AAAA  
**PA.**—Mechanicsburg  
 Wilcox Mfg. Co., D. (Drop  
 Forged Thumb) .....A  
**PA.**—Milton  
 Milton Mfg. Co. (Cap; Set;  
 Coach; Lag) .....AA  
**PA.**—New Castle  
 New Castle Forge & Bolt Co.  
 (Coach; Lag) .....AA  
**PA.**—Norristown  
 Reading Screw Co. (Wood;  
 achine; Coach; Lag; Han-  
 ger; Knob; Saw; Special;  
 Wing) .....A  
**PA.**—Philadelphia  
 Disston & Sons, Henry  
 (Inc.) (Saw; Wood) ..AAAA  
 Hoopes & Townsend Co.  
 Cap; Set; Couch; Lag;  
 Machine; Wood) .....AAA  
 Miles, Franklin S.  
 (Cap; German Silver; Ma-  
 chine; Wood; Set; Special;  
 Thumb) .....F  
 Philadelphia Machine Screw  
 Works, 624 Race (Ma-  
 chine; Special) .....O  
 Phosphor Bronze Smelting  
 Co. (Ltd.) (Phosphor  
 Bronze) .....A  
 Scott & Williams, 2079  
 Cumberland (Machine) ..A  
 Steward & Romaine Mfg.  
 Co. Cap; Set; Machine) ..B  
**PA.**—Pittsburg  
 Lans & Sons, J. W., 101  
 S. 29th (Lay; Coach) ..AA  
 Oliver Iron & Steel Co.  
 (Coach; Lag; Gimlet  
 Pointed; &c.) .....AAAA  
 Pittsburg Mfg. Co., 28th &  
 R. R. (Coach; Lag) ....A  
 Pittsburg Screw & Bolt Co.  
 (Brass; Machine; Cap;  
 Coach; Collar; Machine;  
 Lag; Set) .....A  
**PA.**—Reading  
 Penn. Hdw. Co. (Inc.)  
 Cap; Set; Wood) .....AA  
 Reading Hdw. Co. (Brass;  
 Bronze; Hand; Shutter;  
 Wood; Copper Bench) ..AAAA  
**PA.**—Scranton  
 Scranton Bolt & Nut Co.  
 (Coach; Lag) .....AA  
**R. I.**—Pawtucket  
 Bliss Mfg. Co., R. (Hand;  
 Wood; Bench; Guitar; Vi-  
 olin Clamp) .....AAA  
 Haskell Mfg. Co., Wm. H.  
 (All Kinds) .....AA  
 Pawtucket Mfg. Co. (Cap;  
 Set; Coach; Lag; Gimlet  
 Point; Collar; Hanger

**SCREWS (Con.)**  
 Machine) .....A  
**R. I.**—Providence  
 American Screw Co. (Brass;  
 Bronze; Brass Machine;  
 Hand Rail; Wood; Dowel;  
 Lock Caps; Plated; Spe-  
 cial; Wood Copper Knob) ..AAAA  
 Eastern Bolt & Nut Co.  
 (Caps; Set; Coach; Lag;  
 Collar; Hanger; Special  
 Thumb) .....A  
 Rhode Island Tool Co. (Cap;  
 Set; Coach; Lag; Thumb) ..AAA  
**TENN.**—Memphis  
 Chickasaw Iron Works  
 (Press) .....A  
**VT.**—E. Arlington  
 Judson, J. R. (Brushmakers)  
 B  
**VA.**—Richmond  
 Old Dominion Iron & Nail  
 Works Co. (Hanger) ..AA  
**WIS.**—Evansville  
 Baker Mfg. Co. (Jack) ..AA

## SCRIBERS

**MASS.**—Athol  
 Starrett Co., L. S. (Adjus-  
 table; Metal) .....A  
**MASS.**—Chicopee Falls  
 Stevens Arms & Tool Co.,  
 J. (Metal) .....AAA  
**MASS.**—Fitchburg  
 Sawyer Tool Mfg. Co. (Met-  
 al) .....O  
**MASS.**—Springfield  
 Bemis & Call Hardware  
 Tool Co. (Adjustable) ..A

## SCRIBES

**MASS.**—Springfield  
 Bemis & Call Hdw. & Tool  
 Co. (Adjustable) .....A  
 Co. (Timber) .....A

## SCROLLS: TRANSFER

**ILL.**—Chicago  
 Meyercoed Co. ....A  
 New York City  
 Palm, Fechteler & Co., 80  
 5th Av. ....A  
**OHIO**—Cincinnati  
 Palm Bros. & Co. ....A  
**PA.**—Philadelphia  
 National Decalcomania Co. ..F

## SCRUBBERS

**ILL.**—Chicago  
 Bosley Co., D. W., 311 Ful-  
 ton (Floor) .....B  
**IND.**—Fort Wayne  
 Kerr-Murray Mfg. Co. (Gas)  
 A  
**MD.**—Baltimore  
 Bartlett, Hayward & Co.  
 (Gas Works) .....B  
**N. Y.**—Brooklyn  
 Continental Iron Wks. (Gas  
 Works) .....A  
**N. Y.**—Homer  
 Phoenix Hardware Mfg. Co.  
 (Floor) .....D  
 New York City  
 Martin's Sons, J. M. C.  
 (Floor) .....A  
**PA.**—Minersville  
 Anthracite Machine Works  
 (Keg) .....D  
**PA.**—Philadelphia  
 Wood & Co., R. D. (Gas  
 Works) .....AAAA

## SCYTHES

**CONN.**—Collinsville  
 Collins Co. (Bush; Lawn)  
 AAAA  
**CONN.**—Westport  
 Bradleys' Son, G. W. ....B  
**CONN.**—Winsted  
 Winsted Mfg. Co. ....AAAA  
**MAINE**—Hallowell  
 North Wayne Tool Co. ....B



**SCYTHES (Con.)**

**MAINE—Oakland**  
 Dunn Edge Tool Co. ....AA  
 Emerson Stevens Mfg. Co. D  
**MAINE—Skowhegan**  
 Nolin Mfg. Co. (Lawn)...C  
**N. H.—East Lebanon**  
 Emerson Edge Tool Co.  
 (Weed) .....X  
**N. H.—North Newport**  
 Sibley Scythe Co. ....C  
**N. Y.—Auburn**  
 Wadsworth & Son, David  
 (Bush; Lawn) .....A  
**N. Y.—Elmira**  
 Cronk & Carrier Mfg. Co.  
 (Bush) .....B  
**New York City**  
 American Axe & Tool Co.,  
 253 B'way (Bush; Grain;  
 Lawn) .....AAAA  
 Wiebusch & Hilger, 9 Mur-  
 ray .....A  
**VT.—East Highgate**  
 Rixford Mfg. Co. (Bush)..B

**SEAL**

See Leather; Plushes; Silk  
 Goods; Velvet

**SEALERS**

**ILL.—Chicago**  
 Board, Crosby & Co., 176  
 S. Clinton (Automatic)...X  
**N. J.—Salem**  
 Ayars Machine Co. (Can  
 Body) .....B  
**New York City**  
 Cushman & Denison, 240 W.  
 23d (Envelope) .....C

**SEALS**

See also Jewelry

**CONN.—Bridgeport**  
 Schwerdtle Stamp Co. (No-  
 tary) .....F  
**CONN.—New Haven**  
 Hoggson & Pettis Mfg. Co.  
 (Notary) .....A  
**D. C.—Washington**  
 Grant Mfg. Co., 809 Water  
 S. W. (All Lead or Tin;  
 Coppered Car) .....D  
**ILL.—Chicago**  
 Chicago Car Seal & Mfg.  
 Co., cor. Knight & Green  
 (Car) .....B  
 Edgerton, A. Lewis (Notar-  
 ial) .....B  
 Miller Car Lock & Seal Co.,  
 16 S. Canal (One Piece  
 Interlocking Car) .....D  
 Sigwalt Mfg. Co., Security  
 Bldg. (Car) .....C  
**MD.—Baltimore**  
 Bartlett, Hayward & Co.  
 (Gas Works) .....B  
 Baumgarten & Co. (Wax).E  
**MASS.—Attleboro**  
 Bliss Bros. Co. (Watch)..A  
**MASS.—Boston**  
 Dennison Mfg. Co. (Notar-  
 ial) .....AAAA  
 G. & P. Engraving Co., 185  
 Franklin (Car) .....X  
 Woodman Mfg. & Supply  
 Co., 63 Oliver (Lead Car)  
 D  
**MASS.—Springfield**  
 Smith Mfg. Co., R. H., 293  
 Main (also Wax; Hand  
 Stamps, &c.; Car).....C  
**MICH.—Detroit**  
 Detroit Car Seal Co., 232  
 Randolph (Car) .....D  
**MICH.—Hastings**  
 International Seal & Lock  
 Co. (Car) .....B  
**MO.—St. Louis**  
 Barnard Stamp Co., 311  
 Olive (Car) .....E  
 Handlan-Buck Mfg. Co., 212  
 N. 3d (Car) .....AA  
 Hertz Metal Co., Theodore  
 (Lead Car) .....D  
**NEBR.—Omaha**  
 Lehmer, Jos. R., 1212 Far-  
 nam (Car) .....C

**SEALS (Con.)**

**N. J.—Irvington**  
 Howlett & Co., J. (Express  
 Company Lead) .....F  
**N. J.—Jersey City**  
 Williams & Son, E. A. (Car)  
 AA  
**N. J.—Newark**  
 Reeves & Browne (Watch)  
 B  
**N. Y.—Buffalo**  
 Buffalo Seal & Press Co.  
 (Car) .....X  
**New York City**  
 American Railway Supply  
 Co., 24 Park Pl. (Car)...X  
 Brooks & Co., E. J., 51 Dey  
 (Car) .....B  
 Cary Mfg. Co., 19 Roose-  
 velt (Strap; Box) .....B  
 Davids Co., Thaddeus (No-  
 tarial) .....C  
 Force & Co., Wm. A., 50  
 Beekman (Wax) .....B  
 Keystone Seal & Press Co.,  
 39 Cortlandt (Car) .....D  
 Larter & Sons (Watch) ..A  
 New York Stencil Works,  
 100 Nassau (Car) .....D  
 Richards & Co., E. Ira  
 (Watch) .....AAA  
 Sloan & Co. (Inc.) (Watch)  
 B  
 Standard Metal Strap Co.,  
 336 E. 38th (Box) .....F  
 Street & Sons, Geo. O.  
 (Watch) .....B  
**OHIO—Columbus**  
 Saurbrey, Geo. J., 250 Liv-  
 ington Av. (Car) .....G  
**OHIO—Dayton**  
 Dayton Malleable Iron Co.  
 (Car) .....AAA  
**OHIO—Hamilton**  
 National Car Seal Co. (Car;  
 Tin) .....D  
**PA.—Philadelphia**  
 Hill Mfg. Co., B. B., 1020  
 New Market (Car; Wax)  
 B  
**R. I.—Providence**  
 Snow & Westcott (Watch)  
 A  
**WIS.—Milwaukee**  
 Schwaab Stamp & Seal Co.  
 (Lead; Wax) .....C

**SEARCH-  
 LIGHTS**

**IND.—Fort Wayne**  
 Fort Wayne Electric Wks.  
 (Inc.) .....AAA  
**New York City**  
 Bogue, Chas. J., 213 Centre  
 C  
 Colt Co., J. B., 408 E. 32d  
 (Acetylene) .....B  
**N. Y.—Schenectady**  
 General Electric Co. ....AAAA  
**OHIO—Cincinnati**  
 Carlisle & Finch Co., 231  
 E. Clifton Av. ....B  
 Creaghead Engineering Co.  
 D  
 Macleod & Co., Walter, 463  
 E. Front (Acetylene) ..B  
**WIS.—La Crosse**  
 Benton & Son, Thos. P...E

**SEATINGS**

See also Woodwork; Car-  
 riage; Veneers; Furniture

**ILL.—Chicago**  
 Ford, Johnson & Co. (Ve-  
 neer) .....AAA  
**MASS.—Gardner**  
 Heywood Bros. & Wakefield  
 Co. (Rattan) .....AAAA  
**MO.—St. Louis**  
 Scarritt-Comstock Furniture  
 Co. (Rattan; Veneer)...A  
**N. J.—Hoboken**  
 Woodman, Joel H. (Veneer;  
 Perforated Veneer) ...A  
**N. J.—Jersey City**  
 American Veneer Co. (Ve-  
 neer Settees) .....D  
**N. Y.—Brooklyn**  
 Adler Veneer Seat Co. (Ve-

**SEATINGS (Con.)**  
 neer) .....O  
**New York City**  
 Frost Veneer Seating Co.,  
 208 Canal (Rattan; Veneer) .....X  
**PA.—Philadelphia**  
 Hale & Kilburn Mfg. Co.  
 (Rattan) .....AAAA  
 R. I.—Pawtucket  
 American Hair Cloth Co.  
 (Hair) .....AA  
**WIS.—Sheboygan**  
 Frost Veneer Seating Co.  
 (Veneer) .....B

## SEATS

See also Woodwork; Carriage; Wagon

**CONN.—Bristol**  
 Warner & Co., A. H. (Bath Tub) .....X  
**CONN.—New Haven**  
 Dann Bros. & Co. (Carriage; Wagon) .....B  
**ILL.—Chicago**  
 Adams & Westlake Co., Ontario & Franklin (Car) .....AAAA  
 Sherwood Co. (School)....D  
**IND.—Evansville**  
 Never Spilt Seat Co. (Closet) .....B  
**MD.—Baltimore**  
 Hutton & Co., G. H. (Carriage) .....F  
**MASS.—Boston**  
 Grimmons & Co., Chas. A. (Chair; Leather Board).B  
**MASS.—Gardner**  
 Heywood Bros. & Wakefield Co. (Car; Street Car; Cane; Woven) .....AAAA  
**MICH.—Muskegon**  
 Heap & Son, Wm. (Water Closet; Complete) .....D  
**MINN.—St. Paul**  
 Union Brass Metal Mfg. Co. (Closet) .....A  
**MO.—St. Louis**  
 Nelson Mfg. Co., N. O. (Bath Tub; Water Closet, Complete) .....AAA  
 Scarritt-Comstock Furniture Co., 318 N. B'way (Car) .....A  
**N. Y.—Brooklyn**  
 Adler Veneer Seat Co. (Perforated Veneer) .....C  
 American Car Seat Co., 18 Guernsey (Car; Rattan) .....D  
 Brooklyn Furniture Co. (Church) .....A  
**N. Y.—Buffalo**  
 Buffalo Specialty Mfg. Co., 375 Ellicott (Adjustable Bath Tub) .....B  
 Pratt & Letchworth Co. (Truck) .....AAA  
**N. Y.—Cobleskill**  
 Hallenbeck, Chas. (Wagon) .....H  
**New York City**  
 Frost Veneer Seating Co., 208 Canal (Car) .....AA  
 Lamb, J. & R. (Church)....D  
 Vogel & Co., F. (Hall)....X  
**N. Y.—Oswego**  
 Cowneadow Mfg. Co., John (Water Closet, Complete) .....D  
**N. Y.—Syracuse**  
 Brown Furniture Co., C. G. (Hall) .....B  
**OHIO—Cincinnati**  
 Shelt Co. (Third Passenger Adjustable) .....A  
**OHIO—Cleveland**  
 Avery Stamping Co. (Agricultural Implement; Steel for Implements; Pressed Steel) .....B  
 Federal Mfg. Co. (Ball Valve) .....AAAA  
 Ohio Spring Bed Co. (Wire Automobile) .....A  
 Van Dorn Iron Works Co. (Steel Lawn) .....AA  
**OHIO—Columbus**  
 Excelsior Seat Co. (Car-

**SEATS (Con.)**  
 riage) .....B  
**OHIO—Dayton**  
 Dayton Mfg. Co. (Street Car; Car) .....A  
 Ohio Bake Co. (School).AA  
**OHIO—Toledo**  
 Kroh Mfg. Co., C. Z. (Carriage) .....E  
 Toledo Carriage Woodwork Co. (Wagon) .....A  
**PA.—Cheswick**  
 Cheswick Mfg. Co. (Pressed Steel) .....X  
**PA.—Johnstown**  
 Cambria Steel Co. (Agricultural Implement).....AAAA  
**PA.—Philadelphia**  
 Brill Co., J. G., 62d & Woodland Av. (Reversible Car, for open or closed cars; Street) .....AAAA  
 Hale & Kilburn Mfg. Co., 48 N. 6th (Car, Steam & Electric; Street) .....AAAA  
**PA.—Pittsburg**  
 Standard Mfg. Co. (Bath Tub; Water Closet, Complete) .....AA  
**PA.—Titusville**  
 Titusville Elastic Chair Co. (Ltd.) (Church) .....C  
**WIS.—Algoma**  
 Ahnapee Veneer & Seating Co. (Chair) .....A  
**WIS.—Milwaukee**  
 Milwaukee Chair Co. (Hall) .....A  
**WIS.—Racine**  
 Racine General Mfg. Co. (Carriage) .....E

## SECRETARIES

See Furniture

## SECTIONAL BOOK CASES

See Furniture

## SEED

See also Seeds

**ILL.—Chicago**  
 Dickinson Co., Albert (Flax) .....AA  
 Trilling & Co., H. (Flax) .....E  
**IOWA—Sioux City**  
 Sioux City Oil Wks. (Flax) .....B  
**MD.—Baltimore**  
 McCormick & Co. (Mustard) .....D  
**MISS.—Vicksburg**  
 Advance Gln & Mill Co. (Cotton) .....B  
**N. Y.—Buffalo**  
 Mann Bros. Co. (Ground Flax) .....A  
**New York City**  
 American Linseed Co. (Flax) .....B  
 Hopkins & Co., J. C. (Cardamon; Fennel) .....A  
 Schieffelin & Co. (Colchicum) .....AA

## SEED: BIRD

**ILL.—Chicago**  
 Atwood & Steele, 18 River .....C  
 Brookman Bros., 149 Huron (Columbia Chem. Works) .....E  
 Brookman Mfg. Co., 79 LaSalle Av. ....D  
 Dickinson Co., Albert, W. Taylor & the River ...AA  
 Puhl-Webb Co., 119 W. Randolph .....C  
 Vosbrink Merc. Co., 139 Mich. ....E  
**MASS.—Boston**  
 Breck & Sons, Jos. (Corpn.) .....A  
**N. Y.—Brooklyn**  
 Fitzimmons, M., 81 9th...:C  
**New York City**

**SEED; BIRD (Con.)**  
 Brookman Mfg. Co., 193  
 Front .....D  
 Durkee & Co., E. R., 534  
 Washington .....AA  
 Hirsch & Son, Leon, 868  
 G'wich .....C  
 McAllister, A., 21 Fulton.F  
 McAllister, M. A., 69 Cort-  
 landt (Food) .....F  
 Rosenstein Co., C., 873  
 Washn. ....D  
**WIS.—Milwaukee**  
 Pahl & Co., E. R., 294  
 B'way .....D

## SEEDERS

See also Agricultural Imple-  
 ments

**CONN.—Higginum**  
 Cutaway Harrow Co.  
 (Broadcast) .....X  
**CONN.—Southport**  
 Jelliff Co., C. O. (Hand).A  
**ILL.—Batavia**  
 Appleton Mfg. Co. ....A  
**ILL.—Canton**  
 Partino & Orendorff Co.  
 (Harrows Combined) .....AAAA  
**ILL.—Chicago**  
 Bristol & Gale Co. (End  
 Gate) .....B  
 Pratt Mfg. Co., Wm. E.,  
 91 Lake (Hand) .....B  
 Whitman & Barnes Mfg. Co.  
 (Hand) .....AAAA  
**ILL.—Decatur**  
 Chambers, Bering Quinlan  
 Co. (End Gate) .....A  
 Lait Mfg. Co., F. B. (Force  
 Feed; End Gate; also  
 Clover Seed Attachment)  
 .....A  
**ILL.—Joliet**  
 Humphrey & Sons (Broad-  
 cast Hand) .....A  
 Stevens Mfg. Co. (Broad-  
 cast Hand) .....E  
**ILL.—Moline**  
 Deere & Mansur Co. (Broad-  
 cast; also Grass Seeder  
 Attachment; Cultivators  
 Combined) .....AAAA  
 Deere & Co (Cultivators  
 Combined) .....AAAA  
**ILL.—Peoria**  
 Luthy & Co. (End Gate;  
 Sowers; also Grass Seeder  
 Attachment) .....A  
 Selby-Starr & Co. ....X  
**ILL.—Rockford**  
 Rockford Well Drill Co...E  
**ILL.—Rock Island**  
 Rock Island Plow Co. ....AAAA

**ILL.—Sterling**  
 Keystone Co. (Broadcast) .....AA  
 Sterling Mfg. Co. (Disc  
 Harrows, etc.) .....A  
**IND.—Indianapolis**  
 Everett, J. A. (Broadcast  
 Hand) .....B  
**IND.—Liberty**  
 Rude Bros. Mfg. Co. (Grass)  
 .....A  
**IND.—Richmond**  
 Hooser Drill Co. (Broad-  
 cast) .....AAAA  
 Wayne Wks. ....A  
**IND.—South Bend**  
 Trojan Mfg. Co. (Broadcast;  
 Hand) .....F  
**IND.—Urbana**  
 Cyclone Seeder Co. ....D  
 Speicher, D. E. (Hand)...F

**MASS.—Boston**  
 Ames Plow Co. (Hand) .....AAAA

**MASS.—Chicopee Falls**  
 Belcher & Taylor Agricul-  
 tural Tool Co. ....A  
**MICH.—Albion**  
 Gale Mfg. Co. (Broadcast)  
 .....AA

**MICH.—Dowagiac**  
 Dowagiac Mfg. Co. ....A  
**MICH.—Grand Rapids**  
 Goshen Sweeper Co. (Hand)  
 .....D

**SEEDERS (Con.)**  
**MICH.—Homer**  
 Seeder Mfg. Co. (Wheel-  
 barrow; Grass) .....F  
**MICH.—Kalamazoo**  
 Reed Mfg. Co. (& Sowers;  
 Broadcast) .....D  
**MICH.—Saginaw**  
 Saginaw Hardware Co.  
 (Grass) .....A  
**MICH.—Ypsilanti**  
 Thompson & Son, O. E.  
 (Wheelbarrow; Grass) ..B  
**MINN.—Minneapolis**  
 Howell & Co., E. R. (With  
 Cultivator) .....B  
 Monitor Mfg. Co. (Broad-  
 cast) .....A  
**MINN.—Owatonna**  
 Owatonna Mfg. Co. (&  
 Sowers) .....B  
**MO.—St. Louis**  
 Christen & Son, F. (Broad-  
 cast; Hand) .....B  
 Whitman Agr'l Co. (Broad-  
 cast) .....AA  
**N. H.—Antrim**  
 Goodell Co. (Broadcast  
 Hand) .....A  
**N. Y.—Batavia**  
 Johnstone Harvester Co.  
 (Disc) .....AAAA  
**N. Y.—Buffalo**  
 Buffalo Specialty Mfg. Co.,  
 375 Ellicott (Raisin)....B  
 Union Mfg. & Specialty Co.  
 (Raisin) .....C  
**N. Y.—Ithaca**  
 Williams Bros. (Broadcast)  
 .....AA

**N. Y.—Phelps**  
 Crown Mfg. Co. (Wheel-  
 barrow; Grass) .....B  
**N. Y.—Poughkeepsie**  
 Chapinville Wheel Co. (&  
 Sowers) .....D  
**N. Y.—Shortsville**  
 Star Seeder Co. (Wheel-  
 barrow; Grass) .....F  
**OHIO—Canton**  
 Parlin & Orendorff Co. ....AAAA

**OHIO—Dayton**  
 Ohio Rake Co. (for Disc  
 Harrows) .....AA  
 Stoddard Mfg. Co. (& Sow-  
 ers; Broadcast) .....AAA  
**OHIO—Middletown**  
 McSherry Mfg. Co. ....A  
**OHIO—Ravenna**  
 Williams, A. C. (Raisin).A  
**OHIO—Springfield**  
 Amer. Seeding Mach. Co. ....AAAA

**Mast & Co., P. P. (Broad-  
 cast) .....AAAA**

**PA.—Philadelphia**  
 Allen & Co., S. L., 1017  
 Market (Bean; Pea, &c)  
 .....AA

**Enterprise Mfg. Co., 3rd &  
 Dauphin (Raisin) .AAAA**

**PA.—York**  
 Hensch & Dromgold Co....B

**VA.—Richmond**  
 Cardwell Machine Co. ....A

**WIS.—Beaver Dam**  
 Rowell Mfg. Co., J. S. (also  
 Combined Seeders & Drill)  
 .....A

**WIS.—Beloit**  
 Thompson & Sons Mfg. Co.  
 J. ....AA

**WIS.—Fond du Lac**  
 Fond du Lac Implement Co.  
 .....D

**WIS.—Horicon**  
 Van Brunt Mfg. Co. (also  
 Seeder & Cultivator Com-  
 bined) .....AA

**WIS.—La Crosse**  
 La Crosse Plow Co. (also  
 Grass Seeder Attach-  
 ments) .....AAAA

**WIS.—Madison**  
 Fuller & Johnson Mfg. Co.  
 (& Harrows Combined)  
 .....AAA

**WIS.—Racine**  
 Foster & Williams Mfg. Co.  
 (End Gate Grass) .....B  
 Freeman & Sons Mfg. Co.,  
 S. ....A  
 Johnson & Field Mfg. Co.

**SEEDERS (Con.)**

(End Gate; Scandinavian  
Broadcast; Grass) .....F  
Racine Implement Co. (End  
Gate) .....D  
Racine Malleable &  
Wrought Iron Co. (End  
Gate) .....A

**SECTIONS**

**MICH.**—Muskegon  
Gray Mfg. Co. (Bookcase)  
C  
**N. Y.**—Auburn  
Henry & Allen (Agricultural  
Implt.) .....A  
**OHIO**—Akron  
Akron Machine Co. (Agricultural  
Implt.) .....X  
Whitman & Barnes Mfg.  
Co. (Mower Reaper)AAAA

**SEEDS: GARDEN; FIELD, ETC.**

**CAL.**—Arroyo Grande  
Mc Clure Seed Co. ....C  
**CAL.**—Fresno  
Hammond, T. J. ....C  
**CAL.**—Los Angeles  
Germain Fruit Co. (Inc.) .A  
**CAL.**—San Francisco  
Barnard & Co., W. C. 202  
Sacramento .....B  
Bowen, E. J. (Garden, &c.)  
A  
Brianger & Garlinger, 304  
Davis .....B  
**CAL.**—Santa Clara  
Morse & Co., C. C. ....A  
**CONN.**—Milford  
Clark & Co., Everett B.  
(Garden) .....B  
**CONN.**—Wethersfield  
Comstock, Ferre & Co. ....B  
**CONN.**—Orange  
Woodruff & Sons, S. D.  
(Garden) .....A  
**DEL.**—Wilmington  
Phillips-Thompson Co .....B  
**FLA.**—Tampa  
Crenshaw Bros. ....C  
**ILL.**—Arcola  
Lloyd, S. D. ....C  
**ILL.**—Auburn  
Auburn Roller Milling Co.  
C  
**ILL.**—Chicago  
Barrett & Co., N. L., 219  
Lake (Cardamon) .....A  
Dickinson Co., Albert, West  
Taylor & the River...AA  
Goodwin-Harris Co., 115 E.  
Kinzie .....C  
Leonard Seed Co. (Garden)  
A  
**IND.**—Bourbon  
Bourbon Elev. & Milling Co.  
C  
**IND.**—Elkhart  
Paxson Bros. ....A  
**IND.**—Indianapolis  
Shearman, J. D. (Garden)  
D  
**IOWA**—Burlington  
Burt & Co., N. J. (Garden)  
B  
**IOWA**—Sioux City  
Sioux City Seed & Nursery  
Co. (Garden) .....B  
**KANSAS**—Lawrence  
Bartlides & Co., F. ....AA  
**LA.**—Shreveport  
Rose Merc. & Mfg. Co.  
(Ltd.) .....A  
**MD.**—Baltimore  
Belgiano & Son, J. (Garden)  
C  
**MASS.**—Marblehead  
Gregory & Son, J. J. H. ....A  
**MICH.**—Allegan  
Sutphin & Co., B. B. ....C  
**MICH.**—Ann Arbor  
Mich. Milling Co. ....AA  
**MICH.**—Charlotte  
Packard, O. E. ....C  
**MICH.**—Detroit  
Caughy & Curran .....A  
Ferry & Co., D. M. (Garden)  
AAAA

**SEEDS: GARDEN; &C.**

Lohrman Seed Co. ....C  
**MICH.**—Grand Rapids  
Moseley Bros. ....A  
**MICH.**—Jackson  
Isbell & Co., S. M. ....C  
**MICH.**—Lansing  
Dickinson Co., Albert..AA  
**MICH.**—Oak Grove  
Mich. Milling Co. ....AA  
**MICH.**—Port Huron  
Mc Morran Milling Co. ....A  
**MICH.**—Saginaw  
Greenell, W. H. (Garden)  
C  
**MICH.**—Stockbridge  
De Puy Co., C. E. ....B  
**MICH.**—Vernon  
Mich. Milling Co. ....AA  
**MINN.**—Jordan  
Kehrer, J. ....C  
**MINN.**—Mankato  
Hubbard & Palmer Co. ....A  
**MINN.**—Minneapolis  
Northrup, King & Co.  
(Garden) .....D  
**MINN.**—Northfield  
Keeley & Tripp .....B  
**MINN.**—St. Paul  
May & Co., L. L. ....B  
**MO.**—Jameson  
Stovall, W. T. (Grass, etc.)  
B  
**MO.**—Kansas City  
Adams, T. L., 417 Walnut  
C  
Peppard, J. G., 1101 W. 8th  
B  
**NEBR.**—Omaha  
Raapke & Katz Co. (Imp.  
Sugar Beet) .....A  
**NEBR.**—Waterloo  
Western Seed & Irrigation  
Co. (Garden) .....C  
**N. H.**—Nashua  
Dunlap & Sons, A. H. ....B  
**N. J.**—Englewood  
Hulseborch Bros. ....C  
**N. J.**—Jersey City  
Henderson & Co., P. ....AA  
**N. J.**—Montville  
Doughtin, H. W. ....B  
**N. J.**—Phillipsburg  
Long & Croner .....C  
**N. J.**—Riverton  
Dreer, H. A. ....A  
**N. Y.**—Albany  
Sanders & Co., B. B. ....AA  
Whittle Bros. ....C  
**N. Y.**—Belleville  
Mather W. ....C  
Williams, F. ....B  
**N. Y.**—Binghamton  
Conklin & Son, E. W.  
(Garden) .....A  
Cravers' Sons, G. ....B  
**N. Y.**—Brighton  
Le Clare & Manning .....B  
**N. Y.**—Buffalo  
Harvey Seed Co.  
(Garden) .....B  
**N. Y.**—Cambridge  
Rice Seed Co., J. B. ....A  
**N. Y.**—Cape Vincent  
Cape Vincent Seed Co.  
(Ltd.) .....C  
Cleveland Seed Co. ....A  
**N. Y.**—Dunkirk  
Dunkirk Seed Co. ....A  
**N. Y.**—Floral Park  
Childs, J. L. ....AAA  
Fuller & Co., J. R. ....C  
**N. Y.**—Henrietta  
Chase, W. E. (Garden) ..X  
**N. Y.**—Le Roy  
Keeney & Son, N. B.  
(Garden) .....A  
**N. Y.**—Lockport  
Schaeffer, W. E. ....C  
**N. Y.**—Middle Village  
Hirsch Bros. ....C  
**N. Y.**—Mount Lebanon  
Shaw L. ....AA  
Valentine, R. ....AA  
New York City  
Cape Vincent Seed Co., 260  
W. B'way .....C  
Crosby Co., S. D., 106 Broad  
C  
Durkee & Co., E. R., 135  
Water .....AA  
Fillott & Son, W. 54 Dey..B  
Henderson & Co., P., 35

**SEEDS: GARDEN; &C.**

Cortlandt .....AA  
 Jacob & Mullen, 1 Water.C  
 Mapes, J. D., 1920 W.  
 Farms Rd. ....B  
 Nungesser & Co., H., 65  
 Pearl .....A  
 Thompson, G. H., 107 Hud-  
 son .....B  
 Thorburn & Co., 36 Cort-  
 landt .....AA  
 Taft Bros., 227 Pearl (Mus-  
 tard) .....C  
 Tyler & Finch Co., 13 Gold  
 (Mustard) .....A  
 Vaughan, J. C., 14 Barclay  
 (Garden) .....B  
**N. Y.—Perrysburg**  
 Hall, W. H. ....C  
**N. Y.—Richmondville**  
 Harroway, M. W. ....B  
**N. Y.—Rocheater**  
 Crossman Bros. (Garden)..B  
 Cushman & Co., M.  
 (Garden) .....F  
 Mandeville & King .....B  
**N. Y.—Rose Hill**  
 Mills, F. B. ....B  
**N. Y.—Syracuse**  
 Saul, Chas. F. (Garden)...A  
**N. Y.—Watertown**  
 Herrick & Son, A. H. ....B  
**OHIO—Chillicothe**  
 Sears & Nichols Co., The  
 (Garden) .....A  
**OHIO—Cincinnati**  
 Holden & Co., R. A., 46  
 Main (Field) .....B  
 Patterson & Evans, 52 Vine  
 B  
**OHIO—Findlay**  
 Davis & Dukes .....A  
**OHIO—Mansfield**  
 Lanehart & Co. ....C  
**OHIO—St. Mary's**  
 Jay Grain Co. ....B  
**OHIO—Steubenville**  
 Mc Gowan Bros. Gro. Co.  
 (Field) .....A  
**OHIO—Wakeman**  
 Clark, C. S. ....B  
**OHIO—Wauseon**  
 Eager & Green .....B  
 Smallman, F. R. ....C  
**PA.—Fallington**  
 Parsons, A. M. ....B  
**PA.—Harrisburg**  
 Holmes Seed Co. (Garden).C  
**PA.—Penn Valley**  
 Parsons, A. B. ....B  
**PA.—Philadelphia**  
 Burpee & Co., W. A., 475  
 N. 5th .....AA  
 Johnson & Stokes (Garden)  
 A  
 Landreth & Sons, D., 1217  
 Market .....AA  
 Maule, W. H., 1711 Filbert  
 A  
 Welkel & Smith Spice Co.  
 129 N. Front.....A  
**PA.—Scranton**  
 Clark & Co., G. R. ....B  
**R. I.—Providence**  
 Barrett Co., W. E. ....B  
**S. C.—Charleston**  
 Mc Intosh & Sons, W. ....B  
**S. C.—Columbia**  
 Lorick & Lowrance .....B  
**TEXAS—Ft. Worth**  
 Drumm Seed & Floral Co..C  
**TEXAS—Quanah**  
 Callaway, John S. ....B  
**VA.—Independence**  
 Dickey, Davis & Co. ....C  
**VA.—Richmond**  
 Wood & Sons, T. W. ....B  
**WASH.—Seattle**  
 Bowen, E. J. ....A  
**WIS.—La Crosse**  
 Salzer Seed Co., J. A. (Gar-  
 den) .....A  
**WIS.—Manitowoc**  
 Landreth, A. C. (Garden).B  
 Madison Seed Co. (Garden)  
 C  
 Manitowoc Seed Co. (Gar-  
 den) .....C  
**WIS.—Milwaukee**  
 Courteen, S. G. (Garden)..A  
 Teweles & Co., L., 113 Cly-  
 bourne .....C

**SEEDS: GARDEN; &C.**

**WIS.—Sturgeon Bay** ...  
 Teweles & Brandels (Gar-  
 den) .....C

**SEERSUCKERS**

See Cotton Goods

**SEINES**

See also Nets: Fish

**ILL.—Chicago**  
 Cook & Bro., E. C. ....A  
**MASS.—Boston**  
 American Net & Twine Co.  
 AAAA  
 Gloucester Net & Twine Co.  
 A  
 Lord Co., H. & G. W. ....A  
**MASS.—Gloucester**  
 Gloucester Net & Twine Co.  
 (Fish) .....A  
**N. Y.—New York City**  
 United States Twine & Net  
 Co., 96 Franklin.....B

**SEMAPHORES**

**OHIO—Dayton**  
 Barney & Smith Car Co.  
 (Train Order) .....AAAA

**SEPARATORS**

See also Agricultural Imple-  
 ments

**CONN.—Elmwood**  
 Whitlock Coil Pipe Co.  
 (Oil Steam) .....AA  
**CONN.—New Haven**  
 Elm City Engineering Co.  
 (Electric Metal; Electric  
 to Separate Brass from  
 Iron Chips) .....C  
**CONN.—Thompsonville**  
 Bushnell Press Co., G. H.  
 (Cotton Seed) .....A  
**ILL.—Belleville**  
 Harrison Machine Wks.  
 (Grain) .....AA  
**ILL.—Chicago**  
 Colles & Co., E. G. T., 34  
 So. Canal (Steam; Oil).B  
 Davis Co., Jno., 22nd & Hal-  
 sted (Steam; Oil) ....AA  
 Monash-Younger Co., 203 So.  
 Canal (Steam; Oil) ....B  
 Sharples Co. (Cream) ....C  
**ILL.—Decatur**  
 Union Iron Wks. (Wheat)  
 A  
**ILL.—Joliet**  
 Bates Machine Co. (Steam;  
 Oil) .....AA  
**ILL.—Maywood**  
 Stephens & Westcott Co.  
 (Steam; Oil) .....X  
**ILL.—Moline**  
 Barnard & Leas Mfg. Co.  
 (Magnetic; Dustless;  
 Grain; Elevator Grain;  
 Screening; Wheat; Rice)  
 AA  
**ILL.—Peoria**  
 Avery Mfg. Co. (Grain)....  
 AAA  
**ILL.—Quincy**  
 Gardner Governor C. (Steam;  
 Oil) .....AA  
**IND.—Frankfort**  
 Wallace Mfg. Co. (Stone).C  
**IND.—Indianapolis**  
 Nordyke & Marmon Co.  
 (Double Receiving Hom-  
 iny; Magnetic; Screening  
 Grain) .....AAA  
**IND.—Lafayette**  
 Polar Creamery Co.  
 (Cream) .....D  
**IND.—New Castle**  
 Hoosier Mfg. Co.  
 (Grain) .....C  
**IND.—Richmond**  
 Robinson & Co. (Grain).AA  
**IOWA—Clinton**  
 Moseley & Pritchard Mfg.  
 Co. (Cream) .....D  
**IOWA—Webster City**  
 Closs & Howard Mfg. Co.  
 (Grain) .....D

**SEPARATORS (Con.)**

**KAN.**—Leavenworth  
Great Western Mfg. Co.  
(for Separating Stone &  
Gravel from Wheat)...AA

**KY.**—Louisville  
Avery & Sons., B. F.  
(Bean).....AAA

**MD.**—Baltimore  
Adt., John B. (Stem)....A  
Sinclair-Scott Co. (Pea)...E

**MASS.**—Boston  
Amer Tool & Mach. Co., 109  
Beach (Centrifugals for  
Separating Oil from Metal  
Chips; Turning).....AA  
D'Este Co., Julian, 24 Canal  
(Steam; Oil).....B

**MASS.**—Hopedale  
Draper Co. (Loom).....AAAA

**MASS.**—Worcester  
Compton & Knowles Loom  
Wks. (Loom).....AAAA

Sawyer, Ezra, 31 Hermon  
(Magnetic).....E

Wire Goods Co. (Egg)....A

**MICH.**—Battle Creek  
Nichols & Shepard Co.  
(Small Seed; Grain)AAAA

**MICH.**—Breckenridge  
Stone Bros. (Cream)....E

**MICH.**—Detroit  
Austin Separator Co., 99  
Woodbridge (Steamer;  
Oil).....E

Detroit Separator Co.  
(Steam; Oil).....D

Superior Fence Machine Co.  
(Cream).....F

Wright Mfg. Co., 57 W.  
Woodbridge (Steam; Oil)  
B

**MICH.**—Lansing  
Monitor Water Purifier Co.  
(Oil).....X

**MICH.**—Pontiac  
Bacon Mfg. Co. (Bean)...X

**MICH.**—Tecomseh  
Brewer & Co., H. (Stone).B

**MINN.**—Minneapolis  
Owens Co., J. L. (Grain; al-  
so Flax; Cockle).....A

**MINN.**—Winona  
New Winona Mfg. Co.  
(Cotton Seed).....A

**MO.**—Joplin  
Amer. Concentrator Co.  
(Magnetic).....D

**NEBR.**—Nebraska City  
King Drill Mfg. Co.  
(Cream).....D

**N. J.**—Bloomfield  
Empire Cream Separator  
Co. (Grain).....AAA

**N. J.**—Camden  
Webster Warren & Co.  
(Steam; Oil).....AA

**N. J.**—Jersey City  
Griffing Iron Co., A. A.  
(Steam; Oil).....AA

**N. J.**—Newark  
National Dairy Machine Co.  
(Centrifugal Cream)...B

**N. Y.**—Brooklyn  
Acton, Jno., 188 John  
(Steam; Oil).....D

**N. Y.**—Buffalo  
Noye Mfg. Co., John T.  
(Gravity Grain).....X

Squier Mfg. Co., Geo. L.  
(Coffee; Rice).....AAA

Stewart Heater Co. (Pur-  
ifier Combined; Steam;  
Oil).....D

**N. Y.**—Cato  
Doty Mfg. Co. (Cream)...F

**N. Y.**—Little Falls  
Burrell & Co., D. H. (Cen-  
trifugal Hand Power)....AAAA

**N. Y.**—Lockport  
Amer. District Steam Co.  
(Mud).....AAA

Richmond Mfg. Co. (Grain)  
A

**N. Y.**—Newburgh  
Coldwell-Wilcox Co. (As-  
phalt; Steam; Oil).....B

**New York City**  
Burns & Sons. Jabez  
(Coffee).....B

Bushnell & Co., Jno. S., 124  
Liberty (Steam; Oil) ..F

**SEPARATORS (Con.)**

De Laval Separator Co., 74  
Cortland (Cream)...AAAA

Goubert Mfg. Co., 85 Liberty  
(Live Steam).....B

National Enameling &  
Stamping Co., 80 Beek-  
man (Cream).....AAAA

Niles-Bement-Pond Co., 111  
Broadway (Oil) ..AAAA

Patterson & Co., Frank L.,  
28 Cortlandt (Oil; Steam)  
E

Potter Separator Co., 43  
Cortlandt (Steam; Oil)F

Power Specialty Co., 126  
Liberty (Steam; Oil)...E

Roberts & Bros., Geo. I.,  
473 4th Av. (Steam; Oil)  
A

Robertson & Sons., Jas. L.,  
204 Fulton (Steam; Oil)D

Standard Steam Specialty  
Co., 111 5th Av. (Steam;  
Oil).....D

Thompson & Co., Richard,  
126 Liberty (Steam; Oil)  
F

Westinghouse Machine Co.  
(Steam).....AAAA

Wheeler Condenser & En-  
gineering Co., 120 Lib-  
erty (Steam; Oil) ....A

**N. Y.**—Phelps  
Lawrence Bostwick Mfg. Co.  
(Cream).....D

**N. Y.**—Scheneectady  
General Electric Co. (Mag-  
netic).....AAAA

**N. Y.**—Silver Creek  
Howes Co., S. (Grain; Mag-  
netic; Aspirating; Double  
Receiving; Elevator; Hull-  
ed bat; Magnetic; Screen-  
ing; Single Receiving;  
Warehouse; Coffee; Mill-  
ing; Rice).....A

Huntley Mfg. Co. (Grain;  
Dustless).....A

Invincible Grain Cleaner Co.  
(Grain; Dustless).....A

**N. Y.**—Syracuse  
Direct Separator Co., 218  
Geddes (Steam; Oil)....C

Engelberg Huller Co.  
(Coffee).....D

Wheeler Gravity Cream Sep-  
arator Co. (Cream) ....E

**N. Y.**—Utica  
Jones, Frank L. (Cream).C

**N. Y.**—Yonkers  
Van Auken-Cleavau Co.  
(Steam; Oil).....E

**OHIO**—Akron  
Burt Mfg. Co. (Oil) .....C

**OHIO**—Bluffton  
Bluffton Cream Separator  
Co. (Cream).....D

Ohio Cream Separator Co.  
(Cream).....E

Sanitary Cream Separator  
Co. (Cream).....E

**OHIO**—Bucyrus  
Amer. Clay Working Machy.  
Co. (Stone).....X

**OHIO**—Cincinnati  
Amer. Tool Wks. Co., 6th &  
Eggleston Av. (Steam;  
Oil).....AA

**OHIO**—Cleveland  
Reliance Gauge Column Co.,  
76 E. Prospect (Steam;  
Oil).....D

**OHIO**—Columbus  
Jeffrey Mfg. Co. (Cement;  
Plaster; &c).....AAAA

**OHIO**—Lima  
Dairy Implement Co.  
(Cream).....D

**OHIO**—Springfield  
Hoppes Mfg. Co. (Steam;  
Oil).....A

**OHIO**—Toledo  
Lawrence Mfg. Co. (Cream)  
D

**PA.**—Allentown  
Lindstrom, Jno. T. (Steam;  
Oil).....E

**PA.**—Erie  
Chapman Cream Separator  
Wks., C. L. (Cream)...D

Sims Co. (Steam; Oil) ..D

**SEPARATORS (Con.)**

**PA.—Harrisburg**  
Central Iron & Steel Co. .... AAAA

**PA.—Lancaster**  
International Cream Separator Co. (Cream) ..... D  
Martin Brick Mach. Mfg. Co., Henry (Stone) .... B

**PA.—Muncy**  
Sprout Waldron & Co. (Grain Magnetic) ..... A

**PA.—Nazareth**  
Nazareth Fdry. & Mach. Co. (Steam) ..... B

**PA.—Philadelphia**  
Cresson Co., Geo. V., 18th & Allegheny Av. (Magnetic) ..... AA  
Etting, Edw. J., Land Title Bldg. (Magnetic) ..... B  
Kensington Engine Wks. (Ltd.) 245 N. Broad (Steam; Oil) ..... A  
Kutztown Fdry. & Mach. Co., Fidelity Bldg. (Compound for Steam Boilers) ..... A

**Paxson Co., J. W. (Magnetic)** ..... AA  
**Reid Creamery & Dairy Supply Co., A. H., 33rd & Market (Cream)** ..... A  
**Watson & McDaniel Co., 146 N. 7th (Steam; Oil)** C

**PA.—Pittsburg**  
Bonar & Co., Jas. Carnegie Bldg. (Steam; Oil) ..... B  
McCormick, J. S. 25th & A. V. Ry. (Iron; Brass) .. B  
Riter-Conley Mfg Co. (Gas; Steam) ..... AAA

**PA.—Scranton**  
Union Steam Specialty Co. (Steam; Oil) ..... A

**PA.—Tatamy**  
Messinger Mfg. Co. (Grain) B

**PA.—Washington**  
Petroleum Iron Wks. Co. (Automatic Gas; Steam) A

**PA.—Waynesboro**  
Geiser Mfg. Co. (Grain) AAAA

**PA.—West Chester**  
Sharples, Philip M. (Cream) ..... AAAA

**PA.—York**  
Dempwolf & Co., C. H. (Magnetic) ..... A  
Farquhar Co., A. B. (Ltd.) (Grain) ..... AAA  
Hench & Dromgold Co. (Lime; Ash) ..... B  
Spangler Mfg. Co. (Lime; Ash) ..... C

**VT.—Bellows Falls**  
Vermont Farm Machine Co. (Cream) ..... C

**VT.—St. Albans**  
St. Albans Fdry. & Implement Co. (Grain) ..... D

**VT.—Windsor**  
Windsoor Machine Co. (Steam; Oil) ..... X

**WIS.—Milwaukee**  
Dings Electro Magnetic Separator Co., 103 So. B'way (Magnetic) ..... E  
Prinz & Rau Mfg. Co. (Cockle) ..... A  
Steam Appliance Co., 577 Grove (Steam; Oil) .... D

**WIS.—Racine**  
Case Threshing Machine Co., J. I. (Grain) ..... AAAA  
Johnson & Field Mfg. Co. (Dustless; Grain; Elevator; Warehouse; Wheat; Coffee; Rice) ..... F

**SERGES**

See Woolen Goods; Silk Goods

**SERUMS**

**MICH.—Detroit**  
Parke, Davis & Co. (Biological) ..... AAAA

**SERVERS**

**ILL.—Chicago**  
Amerian Cutlery Co. (Salad) ..... AA

**SERVICES**

**CONN.—Meriden**  
Meriden Britannia Co. (Communion) ..... AAAA  
Wilcox Silver Plate Co. (Communion) ..... AAAA

**CONN.—Middletown**  
Middletown Silver Co. (Communion) ..... E

**CONN.—Wallingford**  
Simpson Hall, Miller Co. (Communion) ..... AAAA  
Wallace & Sons Mfg. Co., R. (Communion) ..... AAAA

**MASS.—New Bedford**  
Pairpoint Corpn. (Communion) ..... AA

**MASS.—Taunton**  
Reed & Barton Corporation (Communion) ..... AAA

**N. Y.—Brooklyn**  
Webster & Son, E. G. (Communion) ..... AA

**New York City**  
Gorham Mfg. Co. (Communion) ..... AAAA  
Lamb, J. & R. (Communion; Pocket Communion) ..... D  
Tiffany & Co. (Inc.) B'way & 15th (Communion) ..... AAAA

**SETS**

**CONN.—Bridgeport**  
Fray & Co., John S. (Screw Driver; Tool; Hollow Handle Tool) ..... A  
Hurwood Mfg. Co. (Nail) C

**CONN.—Bristol**  
Barrett, W. L. (Soldering) D

**CONN.—Chester**  
Bates, C. J. (Manicure) .. D

**CONN.—Darby**  
O. K. Tool Holder Co. (Lathe Tool; Fixture) .. F

**CONN.—Essex**  
Tiley-Pratt Co. (Manicure) D

**CONN.—Hartford**  
Rogers Co., S. L. & G. H. (Carving) ..... A

**CONN.—Meriden**  
Bradley & Hubbard Mfg. Co. (Fire Brass; Fire Smokers Brass) ..... AAAA  
Meriden Britannia Co. (Manicure; Carving) ..... AAAA

**CONN.—Naubuc**  
Williams Bros. Mfg. Co. (Carving) ..... A

**CONN.—New Britain**  
Humason & Beckley Mfg. Co. (Nail; Saw) ..... A  
Landers, Frary & Clark (Carving) ..... AAA  
Stanley Rule & Level Co. (Hollow Handle Steel) .. AAA

**CONN.—New Haven**  
Kilborn & Bishop Co. (Saw) C

**Sargent & Co. (Fire Brass; Sliding Door; Saw; Hollow Handle Tool)** ..... AAAA

**CONN.—Oakville**  
Smith & Son, Seymour (Saw) ..... D

**CONN.—Plainville**  
Clark & Son, A. R. (Manicure) ..... B

**CONN.—Southington**  
Peck, Stow & Wilcox Co. (Fire; Saw; Nail; Rivet; Screw Driver; Tool; Soldering) ..... AAAA

**CONN.—Wallingford**  
Simmons Hall Miller & Co. (Carvers) ..... AAAA  
Wallace & Sons Mfg. Co., R. (Manicure; Carvers) .. AAAA

**CONN.—Waterbury**  
Plume & Atwood Mfg Co.

**SETS (Con.)**

(Smokers Brass; Smokers Copper) .....AAA  
 Scovill Mfg. Co. (Smokers Brass) .....AAAA  
**ILL.—Chicago**  
 Bentley-Ralston Co. (Frame Bicycle) .....C  
 Western Electric Co. (Repeating) .....AAAA  
**ILL.—Freeport**  
 Arcade Mfg. Co. (Garden Tool; Soldering) .....A  
 Stover Mfg. Co. (Soldering) .....AA  
**ILL.—Sterling**  
 National Mfg. Co. (Door; Screen; Storm) .....C  
**IND.—Indianapolis**  
 Atkins & Co., E. C. (Saw) .....AAAA  
**IND.—Marion**  
 Canton Glass Co. (Water) H  
**IOWA—Fort Madison**  
 Iowa Farming Tool Co. (Garden Tool) .....A  
**MD.—Baltimore**  
 Chloride & Silver Dry-Cell Battery Co. (Electrical Testing) .....B  
**MASS.—Athol**  
 Starrett Co., L. S. (Nail; Lathe Tool; Fixture; Combination) .....A  
**MASS.—Attleboro**  
 Daggett & Clap Co. (Jewelry Ladies) .....A  
 Horton-Angell Co. (Jewelry; Combination) .....A  
**MASS.—Attleboro Falls**  
 Mason-Ruggles Co. (Jewelry Combination) .....X  
**MASS.—Boston**  
 Bailey & Co., C. J. (Manicure) .....B  
 Eyelet Tool Co. (Hook; Rivet) .....X  
 Standard Rivet Co. (Rivet; Self-feeding; Tubular) B  
 Sturtevant Co. B. F. (Generating) .....AAA  
 Tubular Rivet & Stud Co. (Rivet; Self-Feeding Tubular) .....AAA  
**MASS.—Brockton**  
 Tuck Mfg. Co. (Nail) ....E  
**MASS.—Chartley**  
 Freeman, Doughaday & Co. (Jewelry Combination) C  
**MASS.—Fiskale**  
 Snell Mfg. Co. (Nail) ....B  
**MASS.—Fitchburg**  
 Sawyer Tool Mfg. Co. (Nail) .....C  
 Simonds Mfg. Co. (Saw) ..AAA  
**MASS.—Florence**  
 Florence Mfg. Co. (Manicure) .....A  
**MASS.—Greenfield**  
 Goodell-Pratt Co. (Nail; Screw Driver; Tool) ...B  
**MASS.—Kingston**  
 Drew & Co., C. (Rivet; Rivet Self-Feeding Tubular; Brick) .....C  
**MASS.—Millbury**  
 Buck, Chas. (Nail) ....B  
 Buck Bros. (Nail) .....A  
**MASS.—Northampton**  
 Northampton Cutlery Co. (Carvers) .....A  
**MASS.—Shelburne Falls**  
 Mayhew Co. H. H. (Nail) D  
**MASS.—Springfield**  
 Bemis & Call Hardware & Tool Co. (Saw) .....A  
**MASS.—Turners Falls**  
 Russell Cutlery Co., John (Carvers) .....AA  
**MASS.—Worcester**  
 Warren Leather Goods Co. (Manicure) .....B  
**MICH.—Detroit**  
 Strelinger Co., Chas. A. (Saw) .....A  
**MICH.—Grand Rapids**  
 Baldwin, Tuthill & Bolton (Saw) .....B  
**MICH.—Jackson**  
 Withington & Cooley Mfg. Co. (Garden Tool) ...AA

**SETS (Con.)**

**N. J.—Elizabeth**  
 Braunsdorf-Mueller Co. (Grummet; Nail; Rivet) D  
**N. J.—Newark**  
 Atha Tool Co. (Button) .A  
 Bannister & Co., A. F. (Manicure) .....A  
 Celluloid Co. (Manicure) B  
 Johnson Wm. (Nail; Rivet) D  
 Krauter & Co. (Rivet) .X  
 National Saw Co. (Saw) .B  
 Osborne Co., C. S. (Rivet) B  
 Storm Mfg. Co. (Nail) .B  
**N. J.—New Brunswick**  
 New Jersey Lamp & Bronze Wks. (Smokers Bronze) AA  
**N. J.—Paterson**  
 Royle & Sons', John (Rivet; Self Feeding Tubular) .A  
**N. Y.—Buffalo**  
 Jewett & Co. (Fire) ....A  
 Keystone Mfg. Co. (Nail) B  
**N. Y.—East Syracuse**  
 Benedict Mfg. Co., M. S. (Carving) .....AA  
 New York City  
 Bunnell & Co., J. H. (Repeating) .....B  
 Graham & Co., John H. 113 Chambers (Saw) .AA  
 Gould-Mersereau Co., (Fire Brass; Smokers: Brass) B  
 Grote & Co., F. (Smokers Ivory; Manicure) .....D  
 International Silver Co. 9 Maiden Lane (Silver Plated Communion; Tea; Coffee; Curling; Manicure; Smokers) .AAAA  
 Jackson & Co., Wm. H. (Fire; Brass) .....A  
 Jennings & Co., C. E. (Nail; Hollow Handle Tool) .B  
 Judd & Co., H. L. (Fire; Brass; Smokers Brass) ...AA  
 Lalance & Grosjean Mfg. Co. (Fire) .....AAAA  
 Millers Falls Co., 28 Warren (Screw Drivers; Tool; Soldering; Hollow Handle Tool) .....AA  
 Morrill, Chas., 277 B'way (Saw) .....D  
 Mott Iron Wks., J. L. (Fire Brass; Fire Steel) ...AA  
 Smith & Hemenway Co., 296 B'way (Saw; Shaving; Soldering) .....D  
 Taintor Mfg. Co., H. F., 113 Chambers (Saw) .B  
 Tower & Lyon (Screw Driver) .....B  
**N. Y.—Rochester**  
 Robeson Cutlery Co. (Carving) .....A  
**N. Y.—Schenectady**  
 General Electric Co. (Repeating) .....AAAA  
**N. Y.—Syracuse**  
 Syracuse Twist Drill Co. (Nail) .....B  
**OHIO—Canton**  
 Kohler & Co., F. E. (Saw) B  
**OHIO—Cincinnati**  
 Eureka Foundry Co. (Fire Brass) .....A  
**OHIO—Cleveland**  
 American Fork & Hoe Co. (Garden Tool) .....AAAA  
**OHIO—Columbus**  
 Ohio Tool Co. (Nail; Rivet) AA  
**OHIO—Hamilton**  
 Meyers Mfg. Co., F. J. (Saw) .....B  
**OHIO—Wilmington**  
 Irwin Augur Bit Co. (Nail) B  
**PA.—Allegheny**  
 Pittsburg Lamp, Brass & Glass Co. (Smokers: Brass) .....AAAA  
**PA.—Beaver Falls**  
 Co-operative Flint Glass Co. (Ltd.) (Water) ....A  
**PA.—Philadelphia**  
 Disston & Sons, Henry



**SETS (Con.)**  
 A. (Saw) .....AAAA  
 Horn & Brother, Wm. H.  
 (Eyelet) .....B  
 Plumb, Fayette B. Tucker  
 & James (Blacksmiths'  
 Fire) .....AA  
 Rump & Sons, C. F.  
 (Manicure) .....AAA  
**PA.—Pittsburg**  
 McKee Glass Co., S.  
 (Water) .....D  
 U. S. Glass Co. (Water)....  
 AAAA  
**PA.—Wilkesbarre**  
 Nicholson & Co., W. H.  
 (Nail) .....O  
**PA.—Wrightsville**  
 Wrightsville Hdw. Co.  
 (Garden Tool) .....B  
**R. I.—Pawtucket**  
 Bliss Mfg. Co., R. (Cro-  
 quet) .....AAAA  
**R. I.—Providence** .....  
 Foster & Bro. Co., Theo.  
 W. (Manicure) .....AA  
 Hancock & Co., Chas. E.  
 (Jewelry; Combination;  
 Shirt Waist) .....B  
 New England Pearl Co.  
 (Shirt Waist) .....F  
 Vose Mfg. Co., Geo. L.  
 (Shirt Waist) .....B  
 Waite, Mathewson & Co.  
 (Jewelry; Combination)B  
**W. VA.—Wellsburg**  
 Riverside Glass Co.  
 (Water) .....O  
**W. VA.—Wheeling**  
 Central Glass Wks.  
 (Water) .....A  
**WIS.—Milwaukee**  
 Filer & Stowell Co. (Saw)  
 AAAA

## SETTEES

See also Furniture

**CONN.—Derby**  
 Derby Silver Co. ....AAAA  
**CONN.—Georgetown**  
 Gilbert & Bennett Mfg. Co.  
 (Wire) .....AAA  
**ILL.—Chicago**  
 Barbee Wire & Iron Wks.,  
 44 Dearborn (Iron; Lawn;  
 Wire) .....B  
**IND.—Indianapolis**  
 Over, Ewald (Lawn) ....O  
**IND.—Laporte**  
 Michael Mfg. Co., Chas. H.  
 (Wood; Lawn) .....O  
**IOWA—Dubuque**  
 Adams Co. (Lawn) .....A  
**MD.—Baltimore**  
 Smyers' Sons Co., Ely, 4  
 Light (Iron) .....A  
**MASS.—Chicopee Falls**  
 Belcher & Taylor Agrl.  
 Tool Co. (Lawn) .....A  
**MASS.—Gardner**  
 Bent & Bros., S. (Lawn) .A  
 Haywood Bros. & Wake-  
 field Co. (Rattan)AAAA  
**MASS.—Middleboro**  
 Le Baron Fdry. Co. (Iron)  
 D  
**MICH.—Detroit**  
 Amos & Co., Chas., 94 W.  
 Larned (Iron) .....F  
**MICH.—Grand Rapids**  
 Haney School Furniture Co.  
 B  
**WICH.—Kalamazoo**  
 Kalamazoo Sled Co. (Lawn)  
 A  
**MO.—St. Louis**  
 Ludlow Saylor Wire Co.,  
 4th & Elm (Iron) ....AA  
 Scarritt-Comstock Furniture  
 Co. (Shoe Store) .....A  
**N. H.—Nashua**  
 Fletcher & Webster Furn.  
 Co. (Lawn) .....O  
 Nashua Novelty Wks.  
 (Lawn) .....B  
**N. Y.—Buffalo**  
 Ginthers' Sons, J., 417  
 B'way (Iron) .....A  
 New York City  
 Pliske Iron Wks., J. W., 39  
 Park Place (Iron; Lawn)  
 B

**SETTEES (Con.)**  
 Mace & Co., L. H., 117 E.  
 Houston (Lawn) .....B  
 Mott Iron Wks., J. L., 88  
 Beekman (Iron; Wood;  
 Iron Frame Lawn) .AA  
 Sperling, Albert (Rattan)F  
 Westervelt, A. B. & W. T.,  
 102 Chambers (Iron) .B  
**N. Y.—Utica**  
 Palmer, C. F. (Iron; Iron  
 & Wood with Iron  
 Frames; Lawn) .....O  
**OHIO—Cincinnati**  
 Bromwell Brush & Wire  
 Goods Co. (Wire) .....AA  
 Mitchell Furn. Co., Robt.,  
 624 Race (Lawn) .AAAA  
 Stewart Iron Wks., 8rd &  
 Culvert (Iron) .....A  
**OHIO—Cleveland**  
 Van Dorn Iron Wks. Co.,  
 1798 E. Madison Av.  
 (Iron) .....AA  
**OHIO—Columbus**  
 Sun Mfg. Co. ....A  
**OHIO—Dayton**  
 Ohio Rake Co. (Lawn) .AA  
**OHIO—Delaware**  
 Delaware Chair Co. (Hall)  
 A  
**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred J.  
 (Wire) .....B  
**OHIO—Kenton**  
 Champion Iron Co. (Iron)  
 AA  
**OHIO—Springfield**  
 Rogers Iron Wks. (Iron) .B  
**PA.—Bausman**  
 Bausman, D. H. (Iron;  
 Wood; Iron Frame Lawn)  
 O  
**PA.—Philadelphia**  
 Darby & Sons, Edward  
 (Wire) .....AA  
 Merritt & Co., 1024 Ridge  
 Av. (Iron) .....B  
**PA.—South Bethlehem**  
 Bethlehem Fdry. & Mach.  
 Co. (Bench; Iron) .....O  
**PA.—York**  
 Farguhar Co., A. B.  
 (Lawn) .....AAA  
 Keystone Farm Mach. Co.  
 (Iron Lawn) .....B  
**VT.—Burlington**  
 Champlain Mfg. Co. (Wood;  
 Iron Frame Lawn) ....B  
**VT.—Readsboro**  
 Readsboro Chair Mfg. Co.  
 (Folding; Opera Porta-  
 ble) .....B  
**VA.—Norfolk**  
 Whitehurst & Co., R. W.  
 (Lawn) .....B  
**WIS.—Milwaukee**  
 Wisconsin Iron & Wire  
 Wks., 186 E. Water  
 (Iron) .....D  
**WIS.—Oshkosh**  
 Buckstaff-Edwards Co.  
 (Lawn) .....AA  
**WIS.—Racine**  
 Gold Medal Camp Furn.  
 Mfg. Co. (Lawn) .....B  
 Racine Hardware Co. ....X  
**WIS.—Sheboygan**  
 Crocker Chair Co. (Lawn)  
 AAA

**SETTERS**  
**ILL.—Chicago**  
 Masters Planter Co., (To-  
 mato Plant) .....D  
**IOWA—Keokuk**  
 National Machine Co. (Hy-  
 draulic Tire) .....X  
 Standard Tire Setter Co.  
 (Hand Power Tire) ...B  
**MASS.—Boston**  
 Wood Machine Co., S. A.  
 (Bit) .....AA  
**MASS.—Greenfield**  
 Wells Bros. Co. (Axle) .A  
**MO.—St. Louis**  
 Mac Gowan & Finnigan  
 Fdry. & Machy. Co., Gay  
 Bldg (House Cold Tire)B  
**N. Y.—Rochester**  
 West Tire Setter Co. (Tire;  
 Hub Band) .....O

**SETTERS (Con.)**

**OHIO—Cincinnati**  
 Cincinnati Tool Co. (Hub Band) .....B  
 Fay & Egan Co., J. A. (Bit) .....AAAA  
**PA.—Philadelphia**  
 Power & Co., L. (Bit)....A  
**PA.—Pittsburg**  
 Pittsburg Tool & Drop Forge Co., Arrott Bldg. (Tie; Plate) .....D

**SETTINGS**

See also Jewelry

**ILL.—Chicago**  
 Chicago Metallic Sash Wks. 21 Mohawk (Metallic).D  
 Flanagan & Biedenwer Co., 57 Illinois (Metallic) ..A  
 Ford Bros., 234 5th Av. (Metallic) .....D  
 Kinsella Co., John J., 464 Wabash Av. (Metallic)A  
**KY.—Louisville**  
 Blum Art Glass Co., 308 7th (Metallic) .....X  
**MD.—Baltimore**  
 Robertson Mfg. Co., James 30 Hanover (Lead) ...A  
**MICH.—Detroit**  
 Amos & Co., Chas., 94 W. Larned (Metallic) ....F  
**MO.—St. Louis**  
 Laclede Fire Brick Mfg. Co. (Fire Clay) ....AAA  
**N Y.—Brooklyn**  
 Summers, Chas., Jay cor Jackson (Metallic) ....F  
**New York City**  
 Dougherty, James, 435 W. B'way (Metallic) .....B  
 Fitzpatrick & Co., J. 376 Greenwich (Metallic) AA  
 Maurer & Son, Henry, 420 E. 23d (Grate) .....AA  
 Rae & Co., G., 436 B'way (Metallic) .....F  
 Spears, Richard N., 859 6th Av. (Metallic) ....E  
**PA.—Pittsburg**  
 Gardner Co., James Jr. (Fire Clay) .....B

**SETTLERS**

**ILL.—Chicago**  
 Allis Chalmers Co. (Ore)...AAAA  
**OHIO—Zanesville**  
 Griffith & Wedge Co. (Ore) B  
**WIS.—Milwaukee**  
 Allis-Chalmers Co. (Ore)...AAAA

**SEXTANTS**

**New York City**  
 Keuffel & Esser Co., 127 Fulton .....AA  
**PA.—Philadelphia**  
 Riggs & Bros., 310 Market B

**SHACKLES**

**CONN.—New Haven**  
 Brown & Co., R. H. (Shaft; Safety) .....B  
**CONN.—Plantsville**  
 Smith & Co., H. D. (Spring) .....A  
**MASS.—Boston**  
 Boston & Lockport Block Co. (Block) .....A  
 Harvey, H. H. (Block)...D  
**MO.—St. Louis**  
 Leschen & Sons Rope Co., A. (Shaft; Safety)...AA  
**N. Y.—Auburn**  
 Eccles, C. Richard (Spring) A  
**N. Y.—Buffalo**  
 Pratt & Letchworth Co. (Spring) .....AAA  
**OHIO—Columbus**  
 Hayden-Corbett Chain Co. (Chain) .....A  
**PA.—Pittsburg**  
 McKay & Co., James (Chain) .....AAA  
 Standard Chain Co.

**SHACKLES (Con.)**

(Chain) .....AAAA  
**WIS.—Racine**  
 Racine Malleable & Wrought Iron Co. (Barrel) .....A

**SHADES**

See also Globes

**CAL.—Los Angeles**  
 Hale & Co., J. M. (Window) B  
**CONN.—Meriden**  
 Bradley & Hubbard Mfg. Co. (Lamp; Metal) .....AAAA  
 Hall & Co., A. J. (Decorated Gas Light) .....B  
 Meriden Curtain Fixture Co. (Window; Window Decorated) .....B  
 Parker Co., Chas. (Window) B  
**CONN.—New Haven**  
 New Haven Window Shade Co. (Window) .....O  
**ILL.—Chicago**  
 Baggot, E., (Candle; Electric Light; Gas) .....X  
 Bosch Co., Henry (Window) B  
 Boyer, F. (Window) .....B  
 Curtain Supply Co., 85 Ohio (Car Window) .....A  
 Klein Co., A. S. (Window) A  
 Opaque Shade Cloth Co. (Window) .....A  
 Pfanschmidt & Co., Ed. C. (Window) .....O  
 Texas Co. (Eye) .....F  
 Western Shade Cloth Co. (Window) .....B  
**ILL.—Decatur**  
 Faries Mfg. Co. (Aluminum; Electric Light; Gas; Lamp) .....A  
**IND.—Hartford City**  
 Sneath Glass Co. (Globe; Lantern; Semaphore) ..B  
**IND.—Marion**  
 Canton Glass Co. (Glass; Porcelain) .....B  
**IOWA—Dubuque**  
 Buettell Bros Co. (Window) A  
**IOWA—Keokuk**  
 Collins-Heaslip Carpet Co. (Window) .....A  
**MAINE—Portland**  
 Burrows Co., E. T. (Car; Window) .....AA  
**MD.—Baltimore**  
 Arnold & Co., W. E. (Window) .....C  
**MASS.—Boston**  
 Bailey-Weston Co. (Window; Window Decorated) ....E  
 New England Novelty Mfg. Co. (Lamp Folding) ....H  
 Seaman Co., Geo. N. (Lamp; Lamp Folding; Lamp Piano) .....X  
 Wheeler Reflector Co. (Billiard; Tin; Electric Light) .....O  
 White & Son, W. B. (Eye) D  
**MASS.—New Bedford**  
 Pairpont Corp. (Glass; Porcelain) .....AA  
 Smith Bros. (Glass; Gas; Glass Decorated; Lamp; Lamp Decorated; Lamp Piano) .....X  
**MICH.—Detroit**  
 Hees, Macfarlane & Co. (Window) .....A  
 Koehler & Bro., H. F. (Window) .....O  
**N. J.—Closter**  
 Closter Shading Co. (Window) .....O  
**N. J.—Newark**  
 Atlantic Window Shade Co. (Window; Window Decorated) .....B  
 Tea Tray Co. (Electric Light) .....AA  
**N. J.—Tenafly**  
 Richter Mfg. Co. (Handmade; Painted; Padded;

## SHADES (Con.)

Machine Made) .....C  
 Utility Shade Co. (Electric Light) .....F  
**N. Y.—Brooklyn**  
 Wemple Co., Jay C. (Window) .....A  
**N. Y.—Minnetto**  
 Minnetto Shade Cloth Co. (Window) .....AAA  
**New York City**  
 Amer.-Belgian Lamp Co. (Lamp Metal; Lamp Plano) .....D  
 Berndt, Joseph (Window) .....C  
 Bloch & Co., L. D. (Lamp Lace; Lamp Silk) .....A  
 Block Light Co., 17 Park Pl. (Incand. Gas Light) ....A  
 Boston Artificial Leather Co., 12 E. 18th (Car Window) .....D  
 Columbia Shade Cloth Co. (Window) .....A  
 Cullen, Richard J. (Window) .....C  
 Dale Co., 13th & 9th Av. (Aluminum; Electric Light) .....B  
 Frink, Isaac P., 551 Pearl (Mirror Lined; Silk; Electric; Light; Billiard; Lamp; Lace; Lamp Metal; Lamp Mirror; Lamp Silk; Half; Window) .....A  
 Gage, John S. (Window) .....E  
 Gleason Mfg. Co., 20 W. Houston (Electric Light; Gas; Opal; Lamp) .....B  
 Gleason-Tiebout Glass Co., 37 Murray (Gas) .....X  
 Houchin Co., Thos. W. (Gas) .....D  
 Husted, Henry, 74 Murray (Glass) .....F  
 James & Co., T. M. (Window) .....C  
 Kloes, F. G. (Window) .....F  
 Masten & Hund (Window) .....C  
 Moore Bronze & Plate Co., M. E., 546 W. 23d (Silk Lamp) .....C  
 Pantasote Leather Co., 29 B'way (Car Window) .....AA  
 Phoenix Glass Co. (Gas Light) .....A  
 Pratt Mfg. Co. (Electric Light) .....X  
 Rochester Lamp Co. (Lamp) .....X  
 Spencer Optical Co. (Eye) .....C  
 Weiss & Krau Co. (Window) .....C  
 Wemple & Co., Jay C. (Window; Window Decorated) .....AA  
 Wetmore Co., S. H., 240 Pearl (Eye) .....D  
 Whaley & Co., J. A., 818 6th Av. (Art Lamp) .....E  
**N. Y.—Owego**  
 Storrs Mica Co. (Mica Lamp) .....C  
**N. Y.—Syracuse**  
 Will & Baumer Co. (Candle) .....AA  
**OHIO—Columbus**  
 Schroth & Potter (Window; Window Decorated) ....B  
**OHIO—Dayton**  
 Dayton Mfg. Co. (Car Window) .....A  
**PA.—Meadville**  
 Shyrook, John J. (Window) .....C  
**PA.—Philadelphia**  
 Gill & Co. (Inc.) (Electric Light; Gas; Glass; Glass Fancy Glass Opal) .....A  
 Gillinder & Sons (Gas) ....A  
 Green & Co., Henry W. (All Kinds; Window) ....A  
 Hale & Kilburn Mfg. Co., 48 N. 6th (Car Window) .....AAAA  
 Hall & Carpenter, 518 Race (Electric Light; Gas; Lamp) .....AA  
 Klemm & Co., 132 N. 5th (Tin) .....C

## SHADES (Con.)

McMaster, Eldridge & Nangle Co. (Window) ....D  
 Murray Co., J. J. (Electric Light; Gas; Glass; Glass Fancy; Lamp; Lamp Decorated) .....A  
 Pabst & Co. (Window)....C  
**PA.—Pittsburg**  
 Evans Co., Thos. (Gas Lamp) .....D  
 Phoenix Glass Co. (Glass; Porcelain; Candle; Electric Light; Gas; Lamp) .....A  
 Pittsburg Dry Goods Co. (Window) .....AAAA  
 United States Glass Co., Bingham & S. 9th (Glass; Pressed or Blown) .....AAAA  
**PA.—Reading**  
 National Brass & Iron Wrks. (Candle) .....A  
**R. I.—Coventry**  
 Interlaken Mills (Holland Linen) .....AAA  
**WASH.—Tacoma**  
 Harmon & Co., F. S. (Window) .....B  
**W. VA.—Hartford**  
 Newton & Donnally (Electric Light) .....C  
**WIS.—Janesville**  
 Hough Shade Corp. (Window; Porch) .....B  
**WIS.—LaCrosse**  
 Pacific Electric Co. (Electric Light) .....X

## SHAFTING

See also Woodwork: Carriage

**CAL.—San Francisco**  
 Judson Mfg. Co. (Key Seating) .....AA  
**CONN.—Ansonia**  
 Farrell Fdry. & Machine Co. (Heavy) .....AAAA  
**ILL.—Chicago**  
 Allis-Chalmers Co., Home Ins. Bldg. ....AAAA  
 American Steel & Wire Co. The Rookery (Cold Drawn Steel; Polished Steel) .....AAAA  
 Borden & Selleck Co., 48 Lake .....B  
 Chicago Flexible Shaft Co., La Salle Av. (Flexible) .....B  
 Link Belt Engineering Co. (Iron; Cold Rolled) ..A  
 Republic Iron & Steel Co. Cold Drawn Steel; Polished Steel; Key Seating) .....AAAA  
**ILL.—Harvey**  
 Bliss & Laughlin (Key Seated; Fitted with Couplings; Polished Steel) ..B  
**IND.—Indianapolis**  
 Nordyke & Marmon Co. (Steel) .....AAA  
**KY.—Covington**  
 Lukens Rolling Mill Co. (Key Seating) .....B  
**MD.—Baltimore**  
 Poole's Son & Co., Robert (Iron, Cold Rolled; Steel, Cold Rolled; Iron Hammered; Steel Hammered) .....A  
**MASS.—Boston**  
 Amer. Tool & Mach. Co., 109 Beach (Iron Turned) .....AA  
 Compressed Steel Shafting Wrks., 393 Dorchester Av. (Polished Steel) .....D  
 Ward & Sons, E. T. ....B  
**MASS.—Worcester**  
 Coates Clipper Mfg. Co. (Flexible) .....D  
**MICH.—Detroit**  
 Buhl Malleable Co. ....A  
**MICH.—Port Huron**  
 Port Huron Steel & Screw Co. (Ltd.) (Cold Drawn Steel; Polished Steel) ..B

**SHAFTING (Con.)**  
**MINN.—Minneapolis**  
 Minneapolis Steel & Machine Co. ....A  
**MO.—St. Louis**  
 Helmbacher Forge & Rolling Mills Co. (Crank) ....AA  
 Medart Patent Pulley Co., 3500 DeKalb (Cold Drawn Steel; Polished Steel; Steel, Turned) ....AA  
**N. J.—Perth Amboy**  
 Pardee Works Co. (Planished Key Seating)....AAA  
**N. Y.—Binghamton**  
 Stow Mfg. Co. (Flexible) B  
**N. Y.—Buffalo**  
 Buffalo Steel Shafting Co., ft. Baits Av. (Polished Steel) .....B  
 Howard Iron Wrks. ....AA  
 Noye Mfg. Co., John T. (Steel) .....D  
**N. Y.—Schenectady**  
 General Electric Co. (Iron, Cold Rolled) .....AAAA  
**N. Y.—Warsaw**  
 Warsaw Elevator Co. ....B  
**OHIO—Cincinnati**  
 Lane & Bodley Co. (Iron, Cold Rolled) .....A  
**OHIO—Cleveland**  
 Cleveland City Forge & Iron Co. (Crank) ....AA  
 Dyson & Sons, Jos. ....A  
 Fitzsimons & Co., 628 B'way (Polished Steel) D  
 Strong, Carlisle & Hammond Co., 61 Frankfort (Cold Drawn Steel) ....A  
 Union Rolling Mill Co. (Steel) .....AAAA  
**OHIO—Columbus**  
 Case Mfg. Co. ....A  
 Jeffrey Mfg. Co. ....AAAA  
**OHIO—Cuyahoga Falls**  
 Falls Rivet & Machine Co. (Cold Drawn Steel) ....A  
**OHIO—Shelby**  
 Brightman Mfg. Co. (Polished Steel; Agricultural; Polished) .....AA  
**OHIO—Toledo**  
 Baker Bros. ....A  
**OHIO—Youngstown**  
 Finished Steel Co. (Polished Steel) .....B  
**PA.—Beaver Falls**  
 Standard Gauge Steel Co. (Polished Steel; Turned; Key Seating) .....B  
 Union Drawn Steel Co. (Cold Drawn Steel; Polished Steel; Key Seating; Iron; Cold Rolled Steel; Cold Rolled) .....AA  
**PA.—Braddock**  
 Pittsburg Steel Shafting Co (Key Seating).....X  
**PA.—Eddystone**  
 Tindel-Morris Co. ....A  
**PA.—Ellwood City**  
 Standard Seamless Tube Co. (Hollow Seamless Steel) B  
**PA.—Lancaster**  
 Penn Iron Co. (Iron; Key Seating) .....A  
**PA.—McKees Rocks**  
 Lockhart Iron & Steel Co. (Key Seating) .....AA  
**PA.—Philadelphia**  
 Cambria Steel Co., Arcade Bldg. (Cold Drawn Steel) AAAA  
 Cresson Co., Geo. V., 18th & Allegheny Av. (Cold Drawn Steel) .....AA  
 Houston & Co., C. B., Girard Bldg. ....A  
 Sellers & Co., Wm. ....AAAA  
 Stow Flexible Shaft Co. (Flexible) .....B  
 White Dental Mfg. Co., S. S., 12th and Chester Branches at New York, Chicago, Boston, Atlanta (Flexible) .....AAAA  
 Wolf Co., 523 No. 23d. ....AA

**SHAFTING (Con.)**  
**PA.—Pittsburg**  
 Carnegie Steel Co. (Crank) AAAA  
 Columbia Bridge Co., Park Bldg. (Steel; Agricultural; Polished) .....C  
 Crucible Steel Co., of America Frick Bldg. (Cold Drawn Steel; Polished Steel) .....AAAA  
 Everson, B. M. ....C  
 Gem Mfg. Co. (Flexible) D  
 Jones & Laughlin Steel Co. (Crank; Cold Drawn Steel; Polished Steel; Iron; Cold Rolled Steel; Cold Rolled) .....AAAA  
**PA.—Rankin**  
 Duquesne Forge Co. (Steel) A  
**PA.—Reading**  
 Reading Iron Co. (Polished Steel; Key Seating) AAAA  
**PA.—Titusville**  
 Titusville Forge Co. (Forged 10 lbs. to 20 Tons) ....B  
**PA.—Wilkesbarre**  
 Vulcan Iron Wrks. (Iron Hammered; Steel Hammered) .....AAAA  
**S. C.—Charleston**  
 Valk & Murdock Iron Wrks. (Iron, Cold Rolled) ....B  
**TENN.—Jackson**  
 Southern Engine & Boiler Wrks. ....A  
**VT.—Rutland**  
 Patch Mfg. Co., F. R. ....A

## SHAKERS

**CONN.—Hartford**  
 Rogers Co., S. L. & Geo. H. (Pepper) .....A  
**ILL.—Chicago**  
 Johnston & Chapman Co. (Coal) .....D  
**N. J.—Newark**  
 Williamson Wire Novelty Co. (Soap) .....B  
**N. Y.—Manlius**  
 Cheney & Son, S. (Stove) A  
**N. Y.—Rochester**  
 Rochester Stamping Co. (Lemonade; Pepper) AAA  
**OHIO—Cincinnati**  
 Bromwell Brush & Wire Goods Co. (Soap) .....A  
**OHIO—Dayton**  
 Bates & Bros., D. L. (Milk) B  
**PA.—Erie**  
 Erie Specialty Co. (Milk; Drink) .....B  
**PA.—Philadelphia**  
 Coles Mfg. Co., 1615 N. 23d (Milk) .....AAAA  
 Whitall Tatum & Co. (Milk) AAAA  
**W. VA.—Wellsburg**  
 Eagle Glass & Mfg. Co. (Glass Salt; Pepper) ..A

## SHAMPOOS

**ILL.—Edwardsville**  
 Edwardsville Brass Co. ....AA  
**ILL.—Peoria**  
 Mexican Amole Soap Co. O  
**New York City**  
 Mott Iron Works, J. L. AA

## SHAMS

See Bedding

## SHANKS

**CONN.—Plantville**  
 Smith & Co., H. D. (Step) AA  
**MAINE—Portland**  
 Cox & Son, A. F. (Steel; Shoe) .....A  
**MASS.—Boston**  
 Fuller, F. T., 16 Lincoln (Shoe) .....C

**SHANKS (Con.)**

**MASS.**—Whitman  
Garney & Co., David A.  
(Steel Shoe) .....A  
Jenkins Bros. & Co. (Steel  
Shoe) .....A  
**MICH.**—Detroit  
Anderson & Sons, Wm. H.  
(Foundry) .....C  
Byram & Co. (Crucible) ..D  
**N. H.**—Peterboro  
Peterboro Shank Co. (Leath-  
er Board) .....B  
**N. Y.**—Buffalo  
Pratt & Letchworth Co.  
(Step) .....AA

**SHAPERS**

See also Machinery; Tools

**CONN.**—Danbury  
Hein Machine Co. (Collar) .....D

**CONN.**—Hartford  
Pratt & Whitney Co. (Screw  
Machine; Metal) ..AAAA

**CONN.**—New Haven  
New Haven Mfg. Co. (Ma-  
chine) .....AA

**CONN.**—Norwich  
Rogers & Co., C. B. (Wood)  
.....AAAA

**CONN.**—Torrington  
Hendy Machine Co. (Ma-  
chine) .....A

**ILL.**—Cairo  
Reed, Jos. B. (Tripple;  
Gear, &c.; Machine) ....B

**ILL.**—Edwardsville  
Bignall & Keller Mfg. Co.  
(Metal) .....B

**ILL.**—Rockford  
Barnes Co., B. F. & John  
(Wood Foot Power) ..AA

**IND.**—Indianapolis  
Atkins & Co., F. C.  
(Swage) .....AAAA

**MAINE.**—Dexter  
Fay & Scott (Machine) ..C

**MD.**—Baltimore  
Detrick & Harvey Machine  
Co. ....AA

**MASS.**—Boston  
Empire Laundry Machinery  
Co. (Collar; Cuff) ....C  
Perkins Machine Co., 105  
M (Machine) .....H

**MASS.**—Fitchburg  
Fitchburg Machine Works  
(Machine; Metal) .....A

**MASS.**—Springfield  
Baush Machine Tool Co.  
.....B

**MASS.**—Worcester  
Boynton & Plummer (Hand;  
Power Machine) .....B

**MICH.**—Grand Rapids  
Fox Machine Co., 127 N.  
Front (Machine; Wood) .....X

Porter & Co., A. D. (Ma-  
chine; Wood) .....D

**MICH.**—Jackson  
Walcott & Son, Geo. D.  
(Geared; Crank Machine) .....B

**MICH.**—Muskegon Heights  
Morton Mfg. Co. (Draw  
Cut Machine; Traverse) .....D

**N. H.**—Nashua  
Flither & Co. (Machine) .....A

**N. J.**—Newark  
Gould & Eberhardt (Ma-  
chine; Wood; Extension  
Base) .....A

**N. J.**—Smithville  
Smith Machine Co., H. B.  
(Machine; Wood) .....A

**N. Y.**—Buffalo  
Frank Machinery Co., 50  
Mechanic (Machine;  
Wood) .....D

**N. Y.**—Cortland  
Cortland Foundry & Ma-  
chine Co. (Wood) .....X

**N. Y.**—Lesterhire  
Heath Machine Co., W. A.  
(Machine) .....D

**New York City**  
Amer. Wood Working Ma-

**SHAPERS (Con.)**

chine Co., 186 Liberty  
(Machine; Wood) ..AAAA  
Garvin Machine Co., cor.  
Varick & Spring (Ma-  
chine) .....AAA  
McAllister, T. H., 49 Nas-  
sau (Wood) .....B  
Manning, Maxwell & Moore,  
85 Liberty (Machine) .....AAA

Nies-Bement-Pond Co., 111  
B'way (Machine, Tra-  
verse) .....AAAA

Pedrick & Ayer Co., 87  
Liberty .....A

**N. Y.**—Rochester  
Graham Machine Tool Co.  
(Wood) .....B

**N. Y.**—Troy  
Adams Laundry Machinery  
Co. (Collar; Cuff) ....B  
Troy Laundry Machinery Co.  
(Ltd.) (Collar; Cuff) .....AA

**OHIO.**—Chagrin Falls  
Ober Mfg. Co. (Machine;  
Wood) .....C

**OHIO.**—Cincinnati  
American Laundry Machin-  
ery Co. (Collar; Cuff) ..A  
Amer. Tool Works Co., 6th  
to Eggleston Av. (Ma-  
chine) .....AAA

Barker & Co., Wm., cor.  
Pioneer & Culvert (Crank;  
Geared Machine) .....D

Cincinnati Shaper Co., Gar-  
rard Av., cor. Elain  
(Crank; Geared; Travess-  
ed Head Machine) .....C

Cordesman Machine Co., 25  
Butler (Machine; Wood) .....X

Cordesman, Meyer & Co.,  
53 Central Av. (Machine;  
Wood) .....B

Fay, J. A. & Egan Co.,  
cor. Front & John (Ma-  
chine; Wood) .....AAAA

Shepard Lathe Co., 129 W.  
2d (Machine) .....F

Smith & Mills Co., Spring  
Grove Av. & Township  
Crank; Geared Machine) .....D

Steptoe Shaper Co., Jno.,  
2949 Colerain Av. (Crank;  
Geared Machines) .....D

**OHIO.**—Defiance  
Defiance Machine Wrks.  
(Machine; Wood) .....A

**OHIO.**—Hamilton  
Bentel & Margedant Co.  
(Machine; Wood) .....A

**OHIO.**—Sandusky  
Klotz Machine Co. (Ma-  
chine; Wood) .....B

**OHIO.**—Springfield  
Springfield Machine Tool  
Co. (Crank; Geared Ma-  
chine) .....B

**OHIO.**—Xenia  
Kelly Machine Co., R. A.  
(Crank Machine) .....B

**PA.**—Columbia  
Wilson Laundry Machinery  
Co. (Collar; Cuff) ....B

**PA.**—Erie  
Reed Mfg. Co. (Collar;  
Cuff) .....B

**PA.**—Franklin  
Colburn Machine Tool Co.  
.....A

**PA.**—Philadelphia  
Atlantic Works (Inc.) 23d  
& Arch (Machine; Wood) .....B

Calladay, Jas. O., 656 Race  
(Machine; Wood) .....B

Newton Machine Tool  
Works, 2343 Vine (Ma-  
chine) .....A

Power & Co., L. (Wood) .....AA

Sellers & Co., Wm. (Inc.)  
1800 Hamilton (Machine;  
Traverse) .....AAAA

**PA.**—Phillipsburg  
Moshannon Mfg. Co. (Ma-  
chine; Wood; Carved) ..B

**R. I.**—Pawtucket  
Potter & Johnston Machine

**SHAPERS (Con.)**

Co. (Machine) .....A  
**WIS.—Oshkosh**  
 Hayes Machine Co., E. B.  
 (Machine; Double End;  
 Wood) .....E  
**WIS.—Racine**  
 Racine Hardware Co.  
 (Wood) .....X

**SHAPES**

**ILL.—Chicago**  
 Republic Iron & Steel Co.  
 (Agricultural) .....AAAA  
**MICH.—Kalamazoo**  
 Harrow Spring Co. (Agricultural) .....B  
**N. J.—Newark**  
 Jenkinson & Co., R. C.  
 (Sheet Steel) .....A  
**OHIO—Cleveland**  
 Avery Stamping Co. (Sheet Steel) .....A  
**PA.—Aliquippa**  
 Kidd Bros. & Burger Steel Wire Co. (Cold Drawn) .....B  
 Vulcan Crucible Steel Co. (Crucible Steel) .....B  
**PA.—Cheswick**  
 Cheswick Mfg. Co. (Agricultural; Special; High Carbon Steel) .....D  
**PA.—Dunbar**  
 Dunbar Fire Brick Co. (Boiler) .....B  
**PA.—Elizabethtown**  
 Buchs Sons Co., A. (Pressed Steel) .....B  
**PA.—Philadelphia**  
 Janney, Steinmetz & Co., 741 Drexel Bldg. (Sheet Steel) .....D  
 Standard Pressed Steel Co., 20th & Clearfield (Pressed Steel) .....C  
**PA.—Pittsburg**  
 American Steel Hoop Co. (Agricultural; Special Rolled) .....AAAA  
 (Plow) .....B  
 Columbia Bridge Co. (Cold Drawn; Polished) .....C  
 Jones & Laughlin Steel Co. (Agricultural) .....AAAA

**SHARES**

**ILL.—Carpentersville**  
 Star Mfg. Co. (Plow) ...A  
**ILL.—Havana**  
 Havana Metal Wheel Co. Plow .....B  
**ILL.—Rockford**  
 Weyburn Co. (Plow; Sister) .....C

**SHARPENERS**

**CONN.—Higganum**  
 Outaway Harrow Co. (Mower Knife) .....X  
**CONN.—New Britain**  
 Stanley Rule & Level Co. (Dowel) .....AAA  
**ILL.—Aurora**  
 Wilcox Mfg. Co. (Lawn Mower) .....B  
**ILL.—Chicago**  
 Bartlett & Son Co., M. J., 196 So. Clark (Disc Harrow) .....F  
 Cassidy-Fairbank Mfg. Co. (Knife) .....C  
 Chicago Wheel & Mfg. Co. (Disc; Lawn Mower; Knife; Saw) .....C  
 Covel Mfg. Co. (Band Saw; &c.) .....C  
 Dick Co., A. B. (Pencil) .....AA  
 Olcott Mfg. Co., 115 Dearborn (Pencil) .....X  
**ILL.—Freeport**  
 Schofield & Co. (Disc) .....D  
**ILL.—Moline**  
 Clark Mfg. Co. (Disc) ..G  
 Deere & Mansur Co. (Disc) .....AAAA  
**ILL.—Peoria**  
 Herschel Mfg. Co., R. (Disc) .....A

**SHARPENERS (Con.)**

**ILL.—Rock Island**  
 Rock Island Plow Co. (Disc) .....AAAA  
**IND.—Indianapolis**  
 Atkins & Co., E. C., 402 So. Illinois (Saw).....AAAA  
**IND.—Plymouth**  
 Clizbe Bros. Mfg. Co. (Disc; Lawn Mower) ..D  
**IOWA—Davenport**  
 B. B. Mfg. Co. (Disc) ..D  
**MASS.—Boston**  
 Cutter Tower Co. (Pencil) .....B  
 Cutter, Wood & Stevens Co. (Saw) .....B  
 Frost Co., George (Pencil) .....A  
**MASS.—Turner's Falls**  
 Russell Cuttlery Co., John (Knife) .....AA  
**MASS.—Worcester**  
 Walker & Co., Oakley S. (Tool) .....E  
 Winston, Samuel, Skate Mfg. Co. (Skate) .....A  
**MICH.—Grand Rapids**  
 Aldine Grate & Mantel Co. (Shear) .....C  
 Baldwin, Tuthill & Bolton (Knife) .....B  
**MICH.—Saginaw**  
 Wickes Bros. (Saw) AAA  
**N. H.—Antrim**  
 Goodell Co. (Pencil) ....A  
**N. H.—Pike**  
 Pike Mfg. Co. (Knife; Skate) .....A  
**N. J.—Jersey City**  
 Dixon Crucible Co., Jos. (Pencil) .....AAA  
**N. J.—Newark**  
 Sacks Iron Fdy., Louis (Knife) .....A  
**N. Y.—Buffalo**  
 Rogers & Co., S. C. (Saw) .....C  
**New York City**  
 American Book Co. (Pencil) .....AAAA  
 Amer. Lead Pencil Co. (Pencil) .....AA  
 Bainbridge & Co., Henry (Pencil) .....A  
 Faber, Eberhard (Pencil) .....AA  
 Keuffel & Esser (Pencil) .....AA  
 Millers Falls Co., 28 Warren (Knife) .....AA  
**N. Y.—Troy**  
 Troy File Works (Skate) .....D  
**OHIO—Cleveland**  
 Osborn Mfg. Co. (Skate) .....B  
**OHIO—Tiffin**  
 Sterling Emery Wheel Mfg. Co. (Knife) .....A  
**OHIO—Toledo**  
 Ohio Steam Cooker Co. (Knife) .....B  
**PA.—Carnegie**  
 Carnegie Plow & Mfg. Co. (Horse Shoe) .....D  
**PA.—Philadelphia**  
 Diston & Sons (Inc.) Henry, Broad & Noble (Saw; File) .....AAAA  
 Espen Lucas Machine Works (Auto; Saw)....D  
 Royal Mfg. Co., 408 Commerce (Lawn Mower) ..X  
**R. I.—Central Falls**  
 Mossberg Wrench Co. (Knife) .....C  
**R. I.—Providence**  
 American Emery Wheel Works (Knife) .....B  
 Diamond Machine Co. (Saw) .....B  
**WIS.—Milwaukee**  
 Filer & Stowell Co. Saw) .....AAA

**SHAVERS**

**CONN.—New Britain**  
 Landers, Frary & Clark

**SHIVERS (Con.)**

(Tobacco) .....AAA  
 Stanley Rule & Level Co.  
 (Iron; Spoke) .....AAA  
 Union Mfg. Co. (Spoke) AA

CONN.—Oakville  
 Smith & Son, Seymour  
 (Spoke) .....D

CONN.—Pine Meadow  
 Chapin-Stephens Co. (Iron  
 Spoke) .....A

ILL.—Chicago  
 Nicol & Co. (Ice) .....D

ILL.—Freeport  
 Arcade Mfg. Co. (Ice) ..A  
 Stover Mfg. Co. (Ice) .AA

ILL.—Downers Grove  
 Dickie Tool Co. (Ice) ....C  
 MASS.—Brookton

Snell & Atherton (Heel) ..C  
 MASS.—Greenfield  
 Goodell Pratt Co. (Spoke) B

N. J.—Flagtown  
 Clawson, C. C. (Ice) ....X  
 N. J.—Newark

Johnson, William (Spoke) .D  
 N. Y.—Buffalo  
 White, L. & I. J. (Ice;  
 Spoke) .....A

New York City  
 Jennings Co., C. E., 42 Mur-  
 ray (Spoke) .....B

Millers Fall Co., 28 Warren  
 (Spoke) .....AA

N. Y.—Syracuse  
 Stearns & Co., E. C. (Iron;  
 Spoke) .....AA

OHIO—Cincinnati  
 Tatum Co., Samuel C.  
 (Spoke) .....B

OHIO—Dayton  
 Bates & Bros., D. L. (Ice) D  
 OHIO—Norwood

Cincinnati Tool Co. (Coop-  
 ers') .....B

OHIO—Ravenna  
 Williams, A. C. (Ice) ....A  
 OHIO—Tiffin

National Machinery Co.  
 (Bolt Head) .....AA

PA.—Erie  
 Erie Specialty Co. (Ice) ..B  
 PA.—Philadelphia

Enterprise Mfg. Co., 3d &  
 Dauphin (Ice; Smoked  
 Beef) .....AAAA

North Bros. Mfg. Co., Le-  
 high Av. & American (To-  
 bacco; Ice) .....AA

Stortz & Son, John, 210 Vine  
 (Ice) .....E

Stortz & Son, John, 210 Vine  
 (Ice) .....E

Stortz & Son, John, 210 Vine  
 (Ice) .....E

Stortz & Son, John, 210 Vine  
 (Ice) .....E

Stortz & Son, John, 210 Vine  
 (Ice) .....E

Stortz & Son, John, 210 Vine  
 (Ice) .....E

Stortz & Son, John, 210 Vine  
 (Ice) .....E

Stortz & Son, John, 210 Vine  
 (Ice) .....E

Stortz & Son, John, 210 Vine  
 (Ice) .....E

Stortz & Son, John, 210 Vine  
 (Ice) .....E

Stortz & Son, John, 210 Vine  
 (Ice) .....E

Stortz & Son, John, 210 Vine  
 (Ice) .....E

Stortz & Son, John, 210 Vine  
 (Ice) .....E

Stortz & Son, John, 210 Vine  
 (Ice) .....E

**SHAWLS (Con.)**

MASS.—Boston  
 Wendell, Fay & Co. (Com.) A

MASS.—Dudley  
 Merrimack Woolen Co.  
 (Woolen) .....A

N. J.—Jersey City  
 Zimmerman & Sons Co.  
 (Knit) .....D

New York City  
 Abegg & Rusch (Com.) AAAAA

Converse, Stanton & Co.,  
 (Com.) .....AAA

Economy Hand Knit Wks. D  
 Greenblatt & Son, Louis  
 (Woolen) .....C

Libby & Co., H. J. (Com.) A  
 Masters & Co., Francis R.  
 (Com.) .....B

Patterson & Greenough  
 (Com.) .....B  
 Schefer, Schramm & Vogel  
 (Com.) .....AAAA

N. Y.—Waterloo  
 Waterloo Woolen Mfg. Co.  
 (Woolen) .....A

OHIO—Cleveland  
 Bamber & Neuman .....C  
 OHIO—Toledo

Ohio Knitting Mills Co.  
 (Fancy Knit) .....D  
 Peerless Knitting Mills Co. D

OREGON—Oregon City  
 Oregon City Mfg. Co. ...A  
 PA.—Philadelphia

Erskine, Alexander .....B  
 Koch, Justus (Shetland) B  
 Stringthorpe, Isaac (Wool-  
 en) .....C

R. I.—South Kingston  
 Peace Dale Mfg. Co. AAAAA  
 UTAH—Manti

Hoggan, James E. (Cotton) C  
 UTAH—Provo City  
 Provo Woolen Mills Co.  
 (Woolen) .....B

**SHEARS**

See also Machinery; Sols-  
 aors; Tools

CONN.—Ansonia  
 Farrell Foundry & Machine  
 Co. (Allegator; Metal) ...AAAA

Acme Shear Co. (Grape;  
 Flower; Metal; Pruning;  
 Tinners; Button Hole) .B

Bridgeport Hdw. Mfg. Co.  
 (Turners; Bankers; Pap-  
 er Hangers; Barbers) .B

Knapp & Cowles Mfg. Co.  
 (Pruning) .....C  
 Smith & Egge Mfg. Co.  
 (Hand for Cutting Wire  
 Rods; Strip Metal) ....A

CONN.—Derby  
 Birmingham Iron Foundry  
 (Allegator) .....A

CONN.—Hamden  
 Henry Mfg. Co. Jno. T.  
 (Pruning) .....E

CONN.—Hartford  
 Pratt & Whitney Co.  
 (Power) .....AAAA

CONN.—Meriden  
 Meriden Britannia Co.  
 (Grape; Flower) .AAAA

Merriman, A. H. (Armular) C

CONN.—New Haven  
 Mersick & Co. C. S. (Com-  
 pound Levers; Pinion  
 Slitting; Metal) .....A

Schallhorn & Co., Wm. (La-  
 dies; Pruning; Tailors) B

CONN.—Oakville  
 Smith & Son, Seymour  
 (Pruning; Hedge) ....D

CONN.—Waterbury  
 Waterbury-Farrell Foundry  
 & Machine Co. (Circle;  
 Power; Squaring; Hand;  
 Circulars; Metal) ....AA

DEL.—Wilmington  
 Diamond Shear Co. (Sheep;  
 Grass; Lawn; Hedge) .F

Hilles & Jones Co., 900  
 Church (Beveling; Ro-

**SHAWLS**

MAINE—Hartland  
 Linn Woolen Co. (Woolen) A

MAINE—Lisbon Falls  
 Wornambo Mfg. Co.  
 (Woolen) .....C

**SHEARS (Con.)**  
tary; Channel; Metal)..  
AA

**ILL.—Chicago**  
Braun, J. G., 322 So. Paul-  
ina (For Heavy Boiler  
Plates, &c; For Sheet  
Metal Work) .....B  
Consolidated Press & Tool  
Co., 96 N. Clinton (Metal;  
Rotary; Rotary Circle  
Cutting; Slitting) .....D  
Scully Steel & Iron Co.,  
136 Fulton (Spitting;  
Rotary) .....A

**ILL.—Moline**  
Williams White & Co.  
(Power; Beam; Channel;  
Beveling; Metal) .....A

**IND.—Cambridge City**  
Bertsch & Co. (Hand; Hy-  
draulic; Lever; Plate  
Splitting; Power; Slit-  
ting; Squaring; Beam;  
Channel; Metal) .....D

**IOWA—Marshalltown**  
Lennox Machine Co. (Bevel-  
ing; Plate Splitting;  
Beveling; Splitting Ro-  
tary) .....C

**MAINE—Augusta**  
Gay, Geo. E. (Grass) ....E

**MD.—Baltimore**  
Detrick & Harvey Mach.  
Co. (Slitting; Rotary)AA

**MD.—Sparrows Point**  
Maryland Steel Co. (Hy-  
draulic) .....AAAA

**MASS.—Boston**  
Beaudry & Co. (Metal)....D  
Chandler & Farquhar  
(Metal) .....A

**MASS.—Boston**  
Eyelet Tool Co., 40 Lin-  
coln (Button Hole Cut-  
ting) .....X

**MASS.—North Easton**  
New England Specialty Co.  
(Pruning) .....F

**MASS.—South Boston**  
Perkins Machine Co., below  
E. 1st (Gate; Guillotine)  
H

**MASS.—Springfield**  
Bullock Mfg. Co. (Jewelers  
Shears) .....A

**MASS.—Worcester**  
Miller, R. E. (Metal)....E  
Morgan Construction Co.  
(Billet; Hydraulic;  
Bloom; Metal) .....A

**MASS.—Worcester**  
Whitcomb Mfg. Co. (Power;  
Hand; Bench) .....A  
Young Mfg. Co., W. O.  
(Power) .....D

**MI.—Detroit**  
National Fulton Brass Mfg.  
Co. (Metal) .....AA

**MICH.—Grand Rapids**  
Fox Machine Co. (Power) A  
Wilmerth & Mormon Co.  
(Metal) .....C

**MICH.—Saginaw**  
Wickes Bros. (Metal)AAA  
**MICH.—Saugatuck**  
Little Giant Mfg. Co.  
(Pruning) .....E

**MINN.—Albert Lea**  
Edwards, C. D. (Lever) ..E

**MO.—St. Louis**  
St. Louis Machine Tool Co.,  
1114 So. 8th (Slitting) X

**N. J.—Greenloch**  
Bateman Mfg. Co. (Prun-  
ing) .....A

**N. J.—Newark**  
Gould & Eberhardt (Circu-  
lar; Metal) .....A

**N. J.—Newark**  
Heinrichs Sons Co., R. (Tan-  
ners; Bankers; Paper  
Hangers; Barbers; Can-  
dy; Glass; Tailors; Button  
Hole Cutting) .....A

**N. J.—Newark**  
Ohl & Co., Geo. A. (Scroll;  
Squaring; Metal; Rotary;  
Slitting) .....B

**N. J.—Newark**  
Wise & Sons Co., J. (Prun-  
ing) .....A

**N. J.—Plainfield**  
Pond Machine Tool Co.  
(Hand) .....AAAA

**N. J.—Salem**  
Ayars Machine Co. (Squar-

**SHEARS (Con.)**  
ing; for Can Making etc.)  
B

**N. Y.—Auburn**  
Crane Fdry. & Machine  
Wks., W. W. (Alligator)  
D

**N. Y.—Auburn**  
Henry & Allen (Pruning  
Knives) .....A

**N. Y.—Brooklyn**  
Adriance Machine Works  
(Metal) .....A

**N. Y.—Brooklyn**  
Bliss Co., E. W., 19 Adams  
(Power; Rotary; Slitting;  
Squaring; Metal; Foot;  
Circular) .....AAAA

**N. Y.—Brooklyn**  
Leffler & Co., Chas. (Metal;  
Rotary) .....D

**N. Y.—Buffalo**  
Buffalo Forge Co. (Metal)  
AA

**N. Y.—Buffalo**  
Niagara Machine & Tool  
Works. (Angle Iron; Bar  
& Plate; Bench; Beveling;  
Hand; Lever; Plate Slit-  
ting; Power; Rotary; Slit-  
ting; Squaring; Circular;  
Tanners; Metal) .....AAA

**N. Y.—Buffalo**  
Oliver Mfg. Co., W. W.,  
1483 Niagara (Jewelers'  
Bench) .....C

**N. Y.—Buffalo**  
West Mfg. Co., 374 7th (Cir-  
cle; Power; Rotary; Slit-  
ting; Squaring; Circular;  
Scroll) .....D

**N. Y.—Elmira**  
Cronk & Carrier Mfg. Co.  
(Grass; Pruning; Grape)B

**N. Y.—Elmira**  
Field Force Pump Co.  
(Pruning) .....C

**N. Y.—Lyons**  
Nagley Mfg. Co. (Pruning;  
Tobacco) .....C

**N. Y.—Lyons**  
New York City  
Eckstein, Chas. G., 249 Cen-  
tre (Sheet Iron Hand;  
Metal) .....D

**N. Y.—Lyons**  
Graham & Co., John H., 113  
Chambers (Pruning) ..AA

**N. Y.—Lyons**  
McDougall & Potter Co., 602  
W. 55th (Metal) .....D

**N. Y.—Lyons**  
Niles-Bement-Pond Co., 111  
B'way (Beveling; Beam;  
Hydraulic; Power; Chan-  
nel; Metal; Rotary)AAAA

**N. Y.—Lyons**  
Pels & Co., Henry, 66 Broad  
(Beam; Power; Channel;  
Metal; Rotary) .....C

**N. Y.—Lyons**  
Russell & Erwin Mfg. Co.  
(Hedge) .....AAAA

**N. Y.—Lyons**  
Sheridan, T. W. & C. B.  
(Boxmakers') .....A

**N. Y.—Lyons**  
Silberstein, A. L., 459 B'way.  
(Bankers'; Paper Hang-  
ers'; Barbers'; Button  
Hole; Electricians) ....B

**N. Y.—Lyons**  
Smith & Hemenway Co., 296  
B'way. (Tanners'; Bank-  
ers'; Paper Hangers';  
Barbers'; Electricians';  
Garden; Grape; Mill;  
Pruning; Rubber; Lea-  
ther) .....D

**N. Y.—Lyons**  
Watson-Stillman Co., 210 E.  
43d (Beam; Hydraulic;  
Power; Hand; Channel;  
Metal; Rotary) .....A

**N. Y.—Lyons**  
Wiebusch & Hilger, 9 Mur-  
ray (Dental; Tanners';  
Bankers'; Paper Hang-  
ers'; Barbers'; Candy;  
Garden; Pruning; Sheep;  
Tailors) .....A

**N. Y.—Rochester**  
Eichelman, C. W. (Pruning)  
F

**N. Y.—Rochester**  
N. Y.—Waterford  
King & Co., J. M. (Wire) A

**OHIO—Akron**  
Taplin, Rlec Co. (Metal).A  
**OHIO—Alliance**  
Alliance Machine Co. (Angle  
Iron; Bar & Plate; Beam;  
Billet; Bloom; Gate &  
Guillotine; Hydraulic  
Plate Splitting; Power;  
Channel; Metal) .....A

**OHIO—Alliance**  
Morgan Engineering Co.  
(Rolling Mill Billet &  
Bloom; Hydraulic; Pow-  
er; Squaring) .....AA

**OHIO—Cincinnati**  
Cincinnati Punch & Shear



- SHEARS (Con.)**  
Co. (Beam; Channel; Beveling; Metal) .....B  
Keene & Co., Geo. C., 502 E. Front (Slitting; Squaring) .....F  
Robinson Mfg. Co., J. M., 2d & Central Av. (Lever; Metal) .....B  
**OHIO—Cleveland**  
Cleveland Hardware Co. (Hand) .....A  
Cleveland Punch & Shear Wks. Co., 156 Case Av. (Bar & Plate; Beveling; Billet & Bloom; Slitting; Beam; Channel; Metal) A  
Reade Machinery Co. (Alligator; Double Angle Iron; Bar; Beam; Channel; Throat) .....D  
Walker Co. (Metal) .....F  
**OHIO—Clyde**  
Clyde Cutlery Co. (Hedge, etc.; Pruning) .....D  
**OHIO—Dayton**  
Seybold Machine Co. (Guage Table) .....A  
**OHIO—Fremont**  
Clausen Shear Co. (Button Hole Cutting) .....AAA  
International Cutlery Co. (Pruning) .....AAA  
**OHIO—Hamilton**  
Long & Allstatter Co. (Angle Iron; Bar; Beveling; Bar; Billet Bloom; Gate & Guillotine; Plate Splitting; Beam; Channel; Metal) .....AA  
Niles Tool Works Co. (Power) .....AAAA  
**OHIO—Piqua**  
Poorman Mfg. Co. (Circle; Power; Rotary; Slitting; Squaring) .....E  
**OHIO—Tiffin**  
National Machinery Co. (Alligator; Power; Rotary; Vertical; Metal; Foot) AA  
**OHIO—Toledo**  
Heartley, G. W. (Alligator; Lever; Rotary) .....D  
Toledo Machine & Tool Co. (Rotary; Power; Squaring) .....A  
**OHIO—Warren**  
Aetna Foundry & Machine Co. (Doubling Plate & Sheet Mill; Squaring) B  
Denison Mfg. Co. (Pruning) C  
**OHIO—Youngstown**  
Sennett Co., Geo. B. (Metal) A  
**PA.—Allegheny**  
Carlin's Sons, Thos. (Metal; Alligator; Power) .....A  
**PA.—Allentown**  
Grammes & Sons, L. F. (Boxmakers') .....A  
**PA.—Bellefonte**  
Lingle, J. H. (Metal) ....D  
**PA.—Columbia**  
Columbia Grey Iron Casting Co. (Fruit; Flower Gathering) .....C  
**PA.—Harrisburg**  
Hickok Mfg. Co., W. O. (Boxmakers'; Guage Table) .....AA  
**PA.—Media**  
Wood, Wm. H. (Hydraulic) B  
**PA.—New Castle**  
Vulcan Fdy. & Mach. Co. (Bar & Plate; Doubling Plate; Sheet Mill; Rolling Mill; Lever; Squaring) .B  
**PA.—Norristown**  
Newbold & Son Co., R. S. (Bar Plate; Rotary; Rotary Pine Cutting) .....A  
**PA.—Philadelphia**  
Evans Sons, Jno., 13th & Buttonwood (Crocodile) B  
Johnson Co., Israel H. Jr., 1422 Callowhill (Squaring) .....A  
National Cutlery Co., 3d & Lehigh Av. (Dental; Tinnerns'; Bankers'; Paper Hangers'; Barbers'; Pruning; Rotary; Rubber; Leather; Tailors') .....C  
Phila. Roll & Machine Co., (Inc.) cor. So. 23d & Washington Av. (Hydraulic; Beam; Channel; Metal) .....A  
Phillips Sons Co., F. R., Penna. Bldg. (Rotary) C  
Sellers Co., Wm. (Inc.) 1600 Hamilton (Beam; Beveling; Hydraulic; Power; Metal; Channel) .AAAA  
Smith Co., J. Barton, N. 4th & Somerset (Horse; Mule; Sheep; Grass; Lawn; Hedge) .....AA  
Southwark Fdry. & Machine Co., 10th & Washington Av. (Hydraulic) ....AAA  
Stortz & Son, Jno., 210 Vine (Paper Hangers') .....F  
Wood & Co., R. D., 400 Chestnut (Gate; Guillotine; Hydraulic; Metal) .....AAAA  
**PA.—Pittsburg**  
Fischer Foundry & Machine Co. (Beam; Channel; Hydraulic; Metal) .....A  
Garrison Fdy. Co., A. (Beam; Channel; Hydraulic; Metal) .....AAA  
Heppenstall Forge & Knife Co. (Metal; Rotary) ...B  
Hogg Iron & Steel Fdry. Co., Geo. A., 24th & B. R. (Bar & Plate; Beam; Doubling Plate; Sheet Mill; Upright Hydraulic; Heavy Scrap; Trimming; Channel; Metal) .....A  
Lewis Fdry. & Machine Co., 1001 Bingham (Billet & Bloom; Doubling Plate; Sheet Mill; Rolling Mill Lever; Slitting; Squaring; Vertical) .....A  
Macintosh, Hemphill & Co., ft. of 12th (Power; Metal) AAA  
Mesta Machine Co., Lewis Block (Bar & Plate; Billet & Bloom; Doubling Plate; Sheet Mill; Hydraulic; Power; Squaring; Metal) .....AAA  
Phillips & McLaren, 24th & Smallman (Bar & Plate; Billet & Bloom; Doubling Plate; Sheet Mills; Squaring; Vertical) .....B  
Union Fdry. & Machine Co., West Carson (Doubling Plate; Sheet Mill; Slitting; Squaring) .....B  
United Engineering & Fdry. Co. (Bar & Plate; Billet & Bloom; Doubling Plate; Sheet Mill; Hydraulic; Lever; Power; Squaring; Vertical; Beam; Channel; Metal) .....AAAA  
**PA.—Reading**  
Wilkinson Shear Co. (Border; Horse; Mule; Pruning; Weavers') .....D  
**PA.—Royersford**  
Royersford Fdry. & Machine Co. (Power; Beam; Channel; Metal) .....C  
**PA.—South Bethlehem**  
Bethlehem Fdry. & Machine Co. (Rotary; Metal) ....C  
Bethlehem Steel Co. (Beam; Channel; Beveling; Hydraulic; Metal) ....AAAA  
**PA.—Titusville**  
Schatt & Morgan Cutlery Co. (Bankers'; Paper Hangers'; Barbers') ...C  
**R. I.—Pawtucket**  
Pawtucket Mfg. Co. (Lever; Slitting; Vertical) ....A  
**R. I.—Providence**  
Stanuard Machinery Co. (Rotary) .....A  
**VT.—Springfield**  
Gilman & Son (Rotary) ..D  
**WIS.—Janesville**  
Bicknell Hardware Co. (Metal) .....E  
New Doty Mfg. Co. (Angle; Iron; Beam; Beveling;

**SHEARS (Con.)**  
 Power; Hand; Channel;  
 Metal) .....B  
 Rock River Machine Co.  
 (Beveling; Metal) .....D  
**WIS.—Madison**  
 King & Walker Co. (Lever;  
 Power; Slitting) .....B  
**WIS.—Oshkosh**  
 Oshkosh Logging Tool Co.  
 (Pruning) .....C

## SHEATHING

See also Paper

**CONN.—Ansonia**  
 Ansonia Brass & Copper Co.  
 (Copper) .....AAAA  
**CONN.—Manchester**  
 Lydall & Foulds Paper Co.  
 (Paper) .....B  
**CONN.—Seymour**  
 New Haven Copper Co.  
 (Copper) .....AA  
**CONN.—Waterbury**  
 Holmes, Booth & Haydens  
 Co. (Copper; Yellow  
 Metal) .....AAAA  
 Randolph-Clowes Co.  
 (Metal) .....AAA  
**ILL.—Chicago**  
 Barrett Mfg. Co. (Felt  
 Building) .....AAAA  
 Chicago Fire Proof Covering  
 Co., 18 No. Canal (Build-  
 ing; Asbestos) .....E  
 Hopkins, H. H., 50 Dear-  
 born (Building; Asbestos) B  
**KY.—Henderson**  
 Henderson Cotton Mills  
 (Wool) .....AAA  
**MD.—Baltimore**  
 Baltimore Copper Smelting  
 & Rolling Co. (Copper) AAA  
**MASS.—Boston**  
 Chapman & Soden, 410 At-  
 lantic Av. (Building; As-  
 bestos) .....A  
**MASS.—East Walpole**  
 Bird & Son, F. W. (Paper;  
 Paper Waterproof) ...AA  
**MO.—Kansas City**  
 Midland Asbestos Mfg. Co.  
 (Building) .....E  
**MO.—St. Louis**  
 Libby & Williams Co.  
 (Building; Asbestos) ..A  
**N. J.—Camden**  
 Fay Manila Roofing Co.  
 (Paper) .....D  
**N. Y.—Marcellus Falls**  
 Lawless & Co., M. J.  
 (Paper) .....C  
**New York City**  
 Asbestos Felting Works, 79  
 Malden Lane (Building;  
 Asbestos) .....D  
 Gilmour Mfg. Co., Robt. M.  
 (Building; Asbestos) ...X  
 Hammerschlag Mfg. Co.  
 (Paper Waterproof) ...F  
 Hendricks Bros., 49 Cliff  
 (Copper) .....AAAA  
 Johns-Manville Co., H. W.,  
 100 William (Building;  
 Asbestos) .....AAAA  
 Standard Paint Co. (Paper) A  
**N. Y.—Ravenswood**  
 New York Asbestos Mfg.  
 Co. (Building) .....C  
**N. C.—Rameur**  
 Columbia Mfg. Co. (Cotton) AA  
**OHIO—Lockland**  
 Carey Mfg. Co., Philip  
 (Building; Asbestos) AAA  
**PA.—Ambler**  
 Keasbey & Mattison Co.  
 (Building; Asbestos) AAAA  
**PA.—Erie**  
 Watson Co., H. F. (Build-  
 ing; Asbestos; Paper;  
 Waterproof) .....AAA  
**PA.—Philadelphia**  
 Asbestos Mfg. Co., 426 Mar-  
 ket (Building; Asbestos) A  
 Merchant & Co. (Copper) AA  
**PA.—Pittsburg**  
 Hussey & Co., C. G.

**SHEATHING (Con.)**  
 (Copper) .....AAA  
 McConnell Co., Jno. A., 239  
 Water (Building; Asbes-  
 tos) .....B

## SHEAVES

See also Blocks

**COLO.—Denver**  
 Davis Iron Wks. Co., M.  
 8th & Larimer (Wire;  
 Manila Rope) .....AA  
 Mine & Smelter Supply Co.  
 (Wire; Manila Rope) AAAA  
**CONN.—Middletown**  
 Wilcox, Crittenden & Co.  
 (Tackle Block) .....A  
**CONN.—New Britain**  
 Corbin, P. & F. (Block) AAAA  
 Russell & Erwin Mfg. Co.  
 (Door; Shutter; Sash) AAAA  
**CONN.—New Haven**  
 Sargent & Co. (Door; Shut-  
 ter; Sash) .....AAAA  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co.  
 (Door; Shutter) .....AAAA  
**CONN.—Torrington**  
 Union Hardware Co. (Tackle  
 Block) .....AA  
**ILL.—Chicago**  
 Caldwell & Son, H. W.,  
 Western Av. & 17th (Pow-  
 er Transmission) ....AA  
 Caldwell & Son Co., H. W.  
 Dearborn (Ball-Bearing  
 Show Case) .....E  
 Jones Fdry. & Machine Co.,  
 W. A., 143 W. North Av.  
 (Wire; Manila Rope) ..A  
 Link Belt Mchry. Co., W.  
 3d & Stewart Av. (Wire;  
 Manila Rope) .....AAA  
 Macomber & Whyte Rope  
 Co., 19 So. Canal (Power  
 Transmission; Wire Rope;  
 Manila Rope) .....A  
 Nicol & Co., 57 W. Washn  
 (Door) .....D  
 Skillin & Richards Mfg. Co.,  
 147 Fulton (Rope) .....C  
 Thornburgh-Crell Co. (Rope) X  
 Webster Mfg. Co., 1075 W.  
 15th (Wire; Manila  
 Rope) .....AA  
**ILL.—Joliet**  
 Bates Machine Co. (Wire;  
 Manila Rope) .....AA  
**ILL.—Marseilles**  
 Marseilles Mfg. Co. (Wire;  
 Manila Rope) .....A  
**ILL.—Sterling**  
 Charter Gas Engine Co.  
 (Block) .....A  
**ILL.—Sycamore**  
 Patten Co., F. C. (Wooden) A  
**IND.—Brazil**  
 Crawford & McCrimmon Co.  
 (Wrought Iron Spoke  
 Rope) .....A  
**IND.—Indianapolis**  
 Nordyke & Marmon Co.  
 (Wire Rope) .....AAAA  
**IND.—Mishawaka**  
 Dodge Mfg. Co. (Power  
 Transmission; Wire Rope;  
 Manila Rope; Wood  
 Split) .....AAA  
**IOWA—Ottumwa**  
 Johnston & Sharp Mfg. Co.  
 (Ball-Bearing) .....D  
**KANS.—Leavenworth**  
 Great Western Mfg. Co.  
 (Wire; Manila Rope) AA  
**KY.—Louisville**  
 Caldwell Co., W. E., Bran-  
 deis Av. & Brook (Wire;  
 Manila Rope) .....AA  
**MAINE—Portland**  
 Laughlin Co., Thos. (Tackle  
 Block; Rope) .....A  
 Portland Co. (Rope) ....AA  
**MAINE—South Portland**  
 Marine Hdw. & Equipment  
 Co. (Tackle Block) ...C

**SHEAVES (Con.)**

**MD.—Baltimore**  
 Poole Engineering & Machine Co. (Wire; Manila Rope) .....AA  
**MASS.—Boston**  
 Boston & Lockport Block Co., 160 Commercial (Tackle Block; Rope; Wire Rope; Hoisting) A  
**MASS.—Chicopee Falls**  
 Spencers Sons, I. S. (Door) X  
**MICH.—Bay City**  
 Garland Co., M. (Wire; Manila Rope) .....C  
**MICH.—Marquette**  
 Lake Shore Engine Wks. (Wire; Manila Rope) ..A  
**MICH.—Northville**  
 Dubuar Mfg. Co., J. A. (Tackle Block) .....X  
**MICH.—Saginaw**  
 Saginaw Mfg. Co. (Wood Split) .....AA  
**MINN.—Minneapolis**  
 Minneapolis Steel & Mchry. Co. (Wire; Manila Rope; Power Transmission) AAA  
**MISS.—Meridian**  
 Soule Steam Feed Wks. (Power Transmission) ..C  
**MO.—St. Louis**  
 Broderick & Bascom Rope Co., 809 N. Main (Wire Rope; Hoisting; Power Transmission) .....AA  
 Kupferle, John C., cor. 2d & Mound (Sliding Door) AA  
 Leschen & Sons Rope Co., A., 920 No. 1st (Hoisting; Wire Rope; Manila Rope; Power Transmission; Tackle Block) .....AAA  
 Medart Patent Pulley Co., 3500 De Kalb Av. (Wire; Manila Rope) .....AAA  
**N. J.—High Bridge**  
 Taylor Iron & Steel Co. (Rope) .....AAAA  
**N. J.—Trenton**  
 Trenton Iron Co. (Wire; Manila Rope; Power Transmission) .....A  
**N. Y.—Buffalo**  
 Contractors Plant Mfg. Co., 129 Erie (Tackle Block; Wire; Manila Rope) ..B  
**N. Y.—Lockport**  
 Western Block Co. (Rope) C  
**New York City**  
 Brown Co., A. & F., 25 Dey (Wire; Manila Rope) ..B  
 Fairbanks Co., 416 Broome (Power Transmission) AAAA  
**Lidgerwood Mfg. Co. (Rope)** AAA  
**Mead & Co., Jno. A., 11 Bway.** (Wire; Manila Rope) .....AA  
**N. J. Fdry. & Machine Co., 9 Murray** (Wire; Manila Rope) .....D  
**Tiebout, W. & J., 118 Chambers** (Door; Tackle; Block) .....B  
**N. Y.—Niagara Falls**  
 Dobbie Fdry. & Machine Co. (Hoisting) .....D  
**N. Y.—Syracuse**  
 Stearns & Co., E. C. (Block) AA  
**OHIO—Canton**  
 Aultman Co. (Wire; Manila Rope) .....AAAA  
**OHIO—Cincinnati**  
 Greenwald Co., I. & E. (Power Transmission) ..A  
**OHIO—Cleveland**  
 Bartlett, C. O. & Snow Co. (Power Transmission) ..A  
 Cleveland Block Co., 163 River (Tackle Block) ...B  
 Hill Clutch Co., ft. Waverley Av. (Wire; Manila Rope) .....B  
 Walker & Co. (Rope) ....X  
 Wellman-Seaver-Morgan Co. (Hoisting) .....AAAA  
**OHIO—Columbus**  
 Case Mfg. Co. (Hoisting; Power Transmission) ..A  
 Jeffrey Mfg. Co. (Power

**SHEAVES (Con.)**

Transmission) ....AAAA  
**OHIO—Cuyahoga Falls**  
 Falls Rivet & Machine Co. (Wire; Manila Rope) ..A  
**OHIO—Nelsonville**  
 Nelsonville Foundry & Machine Co. (Rope) .....B  
**OHIO—Piqua**  
 Piqua Handle & Mfg. Co. (Block; Pulley) .....A  
**PA.—Allegheny**  
 Carlin's Son, Thos. (Block; Power Transmission) ...A  
**PA.—Bellwood**  
 Bellwood Mfg. Co. (Rope) D  
**PA.—Chambersburg**  
 Wood's Sons, T. B. (Wire; Manila Rope) .....A  
**PA.—Monongahela**  
 Monongahela Mfg. Co. (Track, Vertical) .....B  
 Robinson Machine Co. (Wire; Manila Rope) ..B  
**PA.—Nazareth**  
 Nazareth Fdy. & Mach. Co. (Hoisting; Power Transmission) .....B  
**PA.—New Castle**  
 Pennsylvania Engineering Wks. (Hoisting; Power Transmission) .....AA  
**PA.—Philadelphia**  
 Cresson & Co., Geo. V., 18th & Allegheny Av. (Power Transmission; Wire Rope; Manila Rope) .....AA  
 Link Belt Engineering Co. (Power Transmission; Wire Rope; Manila Rope) .....AA  
 Sellers & Co., (Inc.) Wm. (Rope; Power Transmission) .....AAAA  
**PA.—Pittsburg**  
 Jones & Laughlin Steel Co. (Power Transmission; Wire Rope; Manila Rope) .....AAAA  
 Pittsburg Pulley Co., Frick Bldg. (Wire; Manila Rope) .....B  
 Union Fdry. & Mach. Co. (Wire; Manila Rope) B  
**PA.—Pittston**  
 Exeter Machine Wks. (Wire Rope; Manila Rope) AA  
**PA.—Reading**  
 Penn. Hdw. Co. (Door) AA  
 Reading Hdw. Co. (Door; Shutter; Sash) ....AAAA  
**PA.—South Bethlehem**  
 Bethlehem Fdy. & Machine Co. (Power Transmission) C  
**PA.—Tamaqua**  
 Tamaqua Mfg. Co. (Rope) B  
**PA.—Wilkesbarre**  
 Hazard Mfg. Co. (Wire; Manila Rope) .....AAAA  
 Vulcan Iron Wks. (Wire; Manila Rope) .....AAAA  
**PA.—Wrightsville**  
 Wrightsville Hdw. Co. (Door; Sliding Door) ..B  
**WIS.—Milwaukee**  
 Allis-Chalmers Co. (Rope) AAAA  
 Filer & Stowell Co. (Ltd.) (Rope; Wire Rope) AAA  
**WIS.—South Milwaukee**  
 Stowell Mfg. & Fdry. Co. (Door) .....A

**SHEDDERS**

**ILL.—Batavia**  
 Appleton Mfg. Co. (Fodder) A  
**ILL.—Sterling**  
 Keystone Mfg. Co. (Fodder) AA  
**OHIO—Canton**  
 Dick Agricultural Wks., Jos. (Fodder) .....A

**SHEDS**

**IOWA—Clinton**  
 Clinton Bridge & Iron Wks. (Train) .....AA  
**MO.—St. Louis**  
 Christopher & Simpson Arch Iron & Fdy. Co. (Steel

**SHEDS (Con.)**

Frame) .....AA  
**PA.—Steelton**  
 Pennsylvania Steel Co.  
 (Iron Train) .....AAAA

**SHEEP LINED COATS**

See Clothing: Men's

**SHEEPSKINS**

See also Leather

**CAL.—Napa**  
 Sawyer Tanning Co. ....A  
**CAL.—San Francisco**  
 Norton Tanning Co. ....A  
**ILL.—Chicago**  
 Well, J. M. & V. ....A  
**MASS.—Boston**  
 Levisseur & Conway ....AA  
 Winslow Bros. & Smith Co. AA  
**MASS.—Lynn**  
 Hoffman & Son, A. B. ...A  
**MASS.—Peabody**  
 Southwick & Co., L. B. ...A  
**MICH.—Detroit**  
 Schmidt, Traugott & Sons  
 (Inc.) .....AA  
**N. J.—Newark**  
 Mahon Leather Co., Mark  
 W. ....X  
**Ziegel, Elsmann & Co.** ...A  
**N. Y.—Buffalo**  
 Schoelkopf & Co. ....AA  
 New York City  
 Garnar & Co., Thos. ....AA  
 Neumann & Co., R. ....A  
 U. S. Leather Co. ....AAAA  
 Young Co., Richard ....AA  
**OHIO—Cincinnati**  
 Trautmann & Co., C. ....A  
**PA.—Philadelphia**  
 Holmes, Henry .....A  
 McAdoo & Allen .....C  
**VT.—Hyde Park**  
 Page, Carroll S. (Pickled) A

**SHEETINGS**

See Cotton Goods

**SHEETS**

See also Cotton Goods; Iron;  
 Steel

**CONN.—Bridgeport**  
 American Tube & Stamp-  
 ing Co. (Iron; Steel;  
 Cold Rolled Steel) AAAA  
**CONN.—Hartford**  
 Bailey Mfg. Co. (Copying) C  
**CONN.—Seymour**  
 Seymour Mfg. Co. (German  
 Silver) .....AAA  
**CONN.—Waterbury**  
 Benedict & Burnham Mfg.  
 Co. (German Silver) AAAA  
 Plume & Atwood Mfg. Co.  
 (German Silver) ....AAA  
 Scovill Mfg. Co. (Alumi-  
 num; German Silver) AAAA  
 Waterbury Brass Co. (Ger-  
 man Silver) .....AAAA  
**DEL.—Wilmington**  
 McCullough Iron Co. (Gal-  
 vanized Iron; Steel Roof-  
 ing) .....AA  
**ILL.—Chicago**  
 Eureka Blotter Bath Co.  
 (Copying Cloth) .....E  
 Republic Iron & Steel Co.  
 (Galvanized Iron; Steel) AAAA  
**ILL.—Peru**  
 American Nickeloid & Mfg.  
 Co. (Nickelized; Nickel-  
 ized Zinc) .....A  
**N. J.—Newark**  
 Ohl & Co., Geo. A. (Corru-  
 gating Machinery) .....B  
**N. Y.—Buffalo**  
 Niagara Machine & Tool  
 Wks. (Corrugating Ma-  
 chinery) .....A

**SHEETS (Con.)**

**New York City**  
 Ansonia Brass & Copper Co.,  
 99 John (Galley) AAAA  
 Boker & Co., Herman, 101  
 Duane ..(Nickel; Steel,  
 Nickel Covered) ...AAA  
 Goodyear India Rubber  
 Glove Mfg. Co. (Copying)  
 ....AA  
 Johns-Manville Co., H. W.  
 100 William (Asbestos  
 Packing) .....AAAA  
 Hobson, Houghton & Co.,  
 98 John (Hot Rolled  
 Steel) .....B  
 Jessop & Sons, Wm., 91  
 John (Iron; Steel; Cold &  
 Hot Rolled Steel) ...AAA  
 New York Silicate Book  
 Slate Co. (Black; White  
 Silicate) .....D  
 Wardlow, S. & C., 95 John  
 (Iron; Steel; Cold & Hot  
 Rolled Steel) .....A  
**OHIO—Cleveland**  
 Federal Mfg. Co. (Cold  
 Rolled Steel) .....AAAA  
 Garry Iron & Steel Co.  
 (Curved Corrugated; Dou-  
 ble Refined Puddled Iron;  
 Galvanized Iron; Steel,  
 Roofing; Cold & Hot  
 Rolled Steel) .....A  
**OHIO—Elyria**  
 Columbia Steel Wks. (Fed-  
 eral Mfg. Co. Owners)  
 (Steel, Planished & Pol-  
 ished) .....AAAA  
**OHIO—Niles**  
 Empire Iron & Steel Co.  
 (Steel, Bow Socket) ...A  
**OHIO—Youngstown**  
 Youngstown Iron Sheet &  
 Tube Co. (Double Refined  
 Puddled Iron; Electrical,  
 Galvanized Iron & Steel;  
 Polished Steel; Range;  
 Roofing; Cold & Hot  
 Rolled Steel) ....AAAA  
 Youngstown Iron & Steel  
 Roofing Co. (Double Re-  
 fined Puddled Iron; Gal-  
 vanized Iron & Steel;  
 Stove; Body; Cold & Hot  
 Rolled Steel) .....AA  
**PA.—Conshohocken**  
 Wood & Bros. Co. (Electri-  
 cal Iron & Steel; Loco-  
 motive Jacket Steel) AA  
**PA.—New Castle**  
 Elliott-Blair Steel Co. (Cold  
 Rolled Steel) .....A  
**PA.—Philadelphia**  
 Disston & Sons, Henry  
 (Iron; Steel; Cold & Hot  
 Rolled Steel) ....AAAA  
 Hill Mfg. Co., B. B.  
 (Copying) .....B  
 Janney Steinmetz & Co.,  
 Drexel Bldg. (Iron; Steel)  
 ....D  
 Phosphor-Bronze Smelting  
 Co., 2200 Wash. Av.  
 (Phosphor Bronze) ....A  
 Reeve & Son, Paul S.  
 (Phosphor Bronze) ....B  
 Wood Iron & Steel Co.,  
 Alan (Iron, Steel, Roof-  
 ing) .....AAAA  
**PA.—Pittsburg**  
 Allegheny Steel & Iron Co.  
 (Electrical, Iron; Steel;  
 Steel for Electroplating;  
 Steel Stamping) ....AAA  
 American Steel & Tin Plate  
 Co. (Bicycle Tube;  
 Curved; Corrugated; Elec-  
 trical; Enameling Steel;  
 Milk Can Body; Polished  
 Steel; Range; Roofing;  
 Stove Body; Cold Rolled  
 Steel; Hot Rolled Steel;  
 Tinned Dairy) ....AAAA  
 Goff, Horner & Co. (Ltd.)  
 (Electrical, Iron; Steel;  
 Open Hearth Steel; Roof-  
 ing; Cold Rolled Steel) A  
 Pittsburg Reduction Co.,  
 Park Bldg. (Aluminum)  
 ....AAAA  
 Scaife & Sons Co., Wm. B.  
 (Curved Corrugated; Gal-

**SHEETS (Con.)**  
 vaulzed; Iron; Steel;  
 Roofing) .....AAA  
 Zug & Co. (Ltd.) (Galva-  
 nized Iron; Steel) AAAA  
**VA.—Norfolk**  
 Norfolk Creosoting Co.  
 (Piling) .....A  
**WIS.—Kenosha**  
 Chicago Brass Co. (German  
 Silver) .....AA  
**WIS.—Milwaukee**  
 Pressed Steel Tank Co.  
 (Steel, Cylinder; Tank) B

## SHELLACS

**IOWA—Sioux City**  
 Warner, Freiday & Co.  
 (Bowling Alley) .....C  
**MICH.—Detroit**  
 Berry Bros. (Ltd.) AAAA  
 Detroit White Lead Works  
 AAA  
**N. J.—Newark**  
 Murphy Varnish Co. AAAA  
**New York City**  
 Feigel & Bro., M., 149 Mer-  
 cer (Bleached) .....B  
 Gillespie Sons, L. C. ...AA  
 Hooper & Androvette, 218  
 Fulton (Bleached) .AAA  
 Kasebier & Co., E. ....D  
 Longman & Martinez. AAA  
 Marx & Rawolle .....AA  
 Mayor & Loewenstein AAA  
 New York Shellac Co.,  
 AAAA  
 Pratt & Lambert.....B  
 Rogers & Pyatt, 78 Maiden  
 Lane (Bleached) .....A  
 Zinsser & Co., W., 197 Will-  
 iam (White Gum) .....A  
**OHIO—Cleveland**  
 Cleveland Varnish Co. ...AA  
 Glidden Varnish Co. ....AA  
**PA.—Philadelphia**  
 Felton, Sibley & Co., 186  
 No. 4th .....AAA  
**R. I.—Providence**  
 U. S. Gutta Percha Paint  
 Co. ....A

## SHELLERS

See also Agricultural Imple-  
 ments

**CONN.—New Britain**  
 Landers, Frary & Clark  
 (Pea) .....AAA  
**CONN.—New Haven**  
 Harrison, Leonard D. (Corn)  
 H  
**ILL.—Batavia**  
 Appleton Mfg. Co. (Corn) ..A  
 Batavia Windmill Co. (Corn)  
 B  
 Challenge Windmill & Feed  
 Mill Co. (Corn) ....AAA  
 U. S. Wind Engine &  
 Pump Co. (Corn; Corn  
 Power) .....AA  
**ILL.—Chicago**  
 Bristol & Gale Co., 110 W.  
 Washington (Corn) ....B  
 Henlon & Hubbell (Corn) .A  
**ILL.—Decatur**  
 Tait Mfg. Co., F. B. (Corn)  
 A  
 Union Iron Wks. (Power  
 Corn) .....A  
**ILL.—Elgin**  
 Elgin Wind Power & Pump  
 Co. (Corn) .....B  
**ILL.—Freeport**  
 Stover Mfg. Co. (Corn) .AA  
**ILL.—Joliet**  
 Joliet Mfg. Co. (Corn; Corn  
 Power) .....A  
**ILL.—Marseilles**  
 Marseilles Mfg. Co. (Cy-  
 clone Spring Power; Hand  
 Corn) .....AA  
**ILL.—Moline**  
 Barnard & Leas Mfg. Co.  
 (Corn) .....AA  
 Deere & Mansur Co. (Power  
 Corn) .....AAAA  
**ILL.—Ottawa**  
 King & Hamilton Co. (Corn;  
 Corn Power) .....AA

**SHELLERS (Con.)**  
**ILL.—Peoria**  
 Kingman & Co. (Corn) AAA  
 Luthy & Co. (Corn) .....A  
**ILL.—Sandwich**  
 Sandwich Mfg. Co. (Horse  
 and Steam Power; Centri-  
 fugal Corn) .....AA  
**ILL.—Sterling**  
 Keystone Co. (Power and  
 Hand Corn) .....AA  
**IND.—Butler**  
 Butler Co. (Corn) .....B  
**IND.—Evansville**  
 Kratz Bros (Corn) .....X  
**IND.—Indianapolis**  
 Nordyke & Marmon Co.  
 (Hand and Power Corn)  
 AAA  
**IND.—Lafayette**  
 McGrath, E. H. (Corn for  
 Warehouse) .....E  
**IND.—Richmond**  
 Richmond City Mill Wks.  
 (Corn) .....B  
**IOWA—Dubuque**  
 Schrieber & Couchar Mfg.  
 Co. (Corn) .....A  
**IOWA—Webster City**  
 Litchfield Mfg. Co. (Corn)  
 A  
**KANS.—Leavenworth**  
 Great Western Mfg. Co.  
 (Corn; Cleaners; Corn  
 Power) .....AA  
**MD.—Baltimore**  
 Sinclair-Scott Co. (Corn  
 Power; Pea) .....E  
**MASS.—Boston**  
 Ames Plow Co. (Corn)  
 AAAA  
**MASS.—Chicopee Falls**  
 Belcher & Taylor Agr. Tool  
 Co. (Corn) .....A  
**MASS.—Millford**  
 Mann Co., F. W. (Ball  
 Bearing Corn) .....A  
**MICH.—Grand Ledge**  
 Streeter, Hiram, R. (Corn)  
 F  
**MICH.—Mount Clemens**  
 Donaldson Bros. (Corn) ..A  
**MICH.—Port Huron**  
 Port Huron Engine & Thre-  
 shier Co. (Power Corn)  
 AAA  
**MINN.—Minneapolis**  
 Howell & Co., R. R. (Corn)  
 B  
 Minneapolis Threshing Ma-  
 chine Co. (Corn) AAAA  
**MINN.—Winona**  
 New Winona Mfg. Co.  
 (Corn) .....A  
**MO.—Kansas City**  
 Kansas City Hay Press Co.  
 (Hand Cylinder; Spring  
 Belt Corn) .....AA  
**MO.—St Louis**  
 Kingsland Mfg. Co. (Corn)  
 B  
 Rumsey Mfg. Co., L. M.  
 (Corn) .....AA  
 Whitman Agr. Co., 6900 So.  
 B'way (Corn) .....AA  
**N. Y.—Buffalo**  
 Noye Mfg. Co. (Corn; Corn  
 Power) .....X  
**N. Y.—Mount Morris**  
 Genesee Valley Mfg. Co.  
 (Hand and Power Corn)  
 B  
**N. Y.—Seneca Falls**  
 Gould's Mfg. Co. (Corn)  
 AAA  
 Rumsey & Co. (Corn; Corn  
 Separators) .....A  
**N. Y.—Silver Greek**  
 Huntley Mfg. Co. (Corn) .A  
**N. Y.—Syracuse**  
 Engelberg Huller Co. (Rice)  
 D  
**N. Y.—Utica**  
 Standard Harrow Co. (Corn)  
 A  
**N. C.—Winston Salem**  
 Salem Iron Wks. (Corn) .A  
**OHIO—Akron**  
 Whitman & Barnes Mfg. Co.  
 (Corn) .....AAAA  
**OHIO—Berea**  
 Dunham & Son, J. W.  
 (Corn) .....B

**SHELLERS (Con.)**  
**OHIO—Cincinnati**  
 Straub Machinery Co. (Corn) B

**OHIO—Cleveland**  
 Bartlett & Snow Co., C. O. (Corn) .....A  
 Garry Iron & Steel Co. (Corn) .....A

**OHIO—Columbus**  
 Case Mfg. Co. (Corn; Separators) .....A

**OHIO—Dayton**  
 Ohio Rake Co. (Corn) ...AA

**OHIO—Fremont**  
 Lehr Agricultural Co. (Corn) B

**OHIO—Lancaster**  
 Eagle Machine Co. (Corn; Corn Power) .....A

**Hocking Valley Mfg. Co.** (Corn) .....A

**OHIO—Middletown**  
 McSherry Mfg. Co. (Corn) A

**OHIO—New Lexington**  
 Star Mfg. Co. (Corn) ....B

**OHIO—Plymouth**  
 Root Bros. Co. (Corn) ...B

**OHIO—Sandusky**  
 Klotz Machine Co. (Corn).C

**OHIO—Springfield**  
 Foss Mfg. Co. (Corn) ...A

**Rogers Iron Co.** (Corn) ...B

**Ross Co., E. W.** (Corn) ...A

**OHIO—Tiffin**  
 Tiffin Wagon Co. (Corn) AA

**PA.—Elisabethtown**  
 Buch's Sons Co., A. (Corn) A

**PA.—Marietta**  
 Penna. Electric Co. (Corn) O

**PA.—Mountville**  
 Mountville Mfg. Co. (Corn) O

**PA.—Muncy**  
 Sprout, Waldron & Co. (Corn) .....A

**PA.—Tatamy**  
 Messinger Mfg. Co. (Power and Hand Corn) .....B

**PA.—York**  
 Farquhar Co., A. B. (Corn) AAA

**Hench & Dromgold Co.,** (Corn) .....B

**Keystone Farm Machine Co.** (Corn; Corn Power) ....B

**Spangler Mfg. Co.** (Corn) O

**TENN.—Clarksville**  
 Patch, A. H. (Hand Corn) B

**VT.—Derby Line**  
 Butterfield & Co. (Corn) .A

**VA.—Norfolk**  
 Billups Son & Co., C. (Corn) A

**White & Bros, S. R.** (Corn) A

**Whitehurst Co., R. W.** (Corn and Corn Separators) ..B

**VA.—Richmond**  
 Cardwell Machine Co. (Corn; Corn Power) .....A

**WIS.—Janesville**  
 Rock River Machine Co. (Hand Corn) .....D

**WIS.—Manitowoc**  
 Smalley Mfg. Co. (Corn) .B

**WIS.—Marinette**  
 Stevens Co., A. W. (Power Corn) .....AA

**WIS.—Racine**  
 Freeman & Sons Mfg. Co., S. (Hand Corn) .....A

**WIS.—West Bend**  
 Silberzahn Bros. (Hand Corn) .....C

## SHELLS

See also Cartridges

**CONN.—Bridgeport**  
 Union Metallic Cartridge Co. (Paper and Brass Cartridge; Brass Shot; Paper Shot; Loaded Paper; Shot Gun) .....AAA

**CONN.—New Haven**  
 Winchester Metal Cartridge

**SHELLS (Con.)**  
 Co. (Shot Gun; etc.) AAAA

**CONN.—Torrington**  
 Union Hardware Co. (Push Button) .....AA

**CONN.—Waterbury**  
 Randolph Clowes Co. (Seamless Brass; Copper) AAA

**Scovill Mfg. Co.** (Brass) AAAA

**Waterbury Brass Co.** (Brass Shot; Paper Shot) AAAA

**ILL.—Alton**  
 Western Cartridge Co. (Shot Gun; etc.) .....A

**MASS.—Boston**  
 Baker & Co., Walter (Cocoa) .....AAAA

**MASS.—Chicopee Falls**  
 Stevens Arms & Tool Co., J. (Rifled Bullet) ....AAA

**MASS.—Lowell**  
 United States Cartridge Co. (Shot Gun; etc.) ....AA

**N. J.—High Bridge**  
 Taylor Iron & Steel Co., (Roll) .....AAAA

**New York City**  
 Tower & Lyon Co., 95 Chambers (Loaded Paper) B

**OHIO—Cincinnati**  
 Peters Cartridge Co. (Loaded Paper; Paper Shot; Shot Gun; etc.) AAAA

**PA.—Lancaster**  
 Hershey Chocolate Co. (Cocoa) .....AAAA

**PA.—Philadelphia**  
 Chester Steel Castings Co. (Roll) .....AA

**Janney, Steinmets & Co.,** Drexel Bldg. (Automobile, Marine Boiler; Seamless Ordinance) .....D

**Latrobe Steel Co., Girard** Bldg. (Rock Crusher Roll) AAAA

**Wilbur & Sons, H. O.** (Cocoa) .....AAA

**PA.—Pittsburg**  
 Scaife & Sons Co., Wm. B., (Tank; Automobile; Marine Boiler) .....AAA

**PA.—Washington**  
 Petroleum Iron Wks. Co. (Coke Oven) .....A

**PA.—York**  
 York Chemical Works (Crushed; Flint) .....A

**WIS.—Milwaukee**  
 Pressed Steel Tank Co. (Seamless Steel) .....B

## SHELVES

See Furniture

**CONN.—New Haven**  
 Atlas Mfg. Co. (Detachable) .....F

**ILL.—Edwardsville**  
 Illinois Marble Co. (Slate Refrigerator) .....O

**ILL.—Sterling**  
 Novelty Iron Works (Stove Pipe) .....E

**IND.—Indianapolis**  
 Tucker & Dorsey Mfg. Co. (Detachable) .....A

**IOWA—Dubuque**  
 Adams Co. (Stove Pipe) ...A

**MASS.—Boston**  
 Matthews Consolidated Slate Co., 199 Washn. (Slate Refrigerator) ...X

**MASS.—Worcester**  
 National Mfg. Co. (Stove Pipe) .....A

**VT.—Poultney**  
 Fleming Slate Co. (Slate Bracket) .....O

**WIS.—Milwaukee**  
 Milwaukee Mirror & Art Glass Wks. (Plate Glass) O

**SHELVING**

**ALA.—Stanton**  
 Dyer, W. C. (Store) ....E

**SHELVING (Con.)**

**ILL.**—Chicago  
Warren, Mfg. Co., J. D.  
Masonic Temple (Hard-  
ware Store) .....B  
**IOWA**—Glidden  
McNaught & Sons, G. W.  
(Store) .....D  
**MASS.**—Boston  
Library Bureau .....AA  
**MICH.**—Grand Rapids  
Grand Rapids Show Case  
Co. (Drug) .....A  
**OHIO**—Canton  
Berger Mfg. Co. (Steel  
Library) .....AA

**SHIELDS**

**CONN.**—Bridgeport  
Canfield Rubber Co. (Dress)  
AA  
Taylor, Thomas P. (Dress)  
A  
**CONN.**—Middletown  
Omo Mfg. Co. (Dress).....C  
**ILL.**—Chicago  
Andrews & Johnson Co., 280  
Washington Boul. (Radia-  
tor) .....B  
Monash-Younger Co., 201 S.  
Canal (Radiator) .....B  
Prentice Co., L. H., 34  
Sherman (Radiator) ...A  
**MD.**—Baltimore  
Brinkman & Co., A. H.  
(Dress) .....C  
**MASS.**—Andover  
Tyer Rubber Co. (Nipple)  
**MICH.**—Detroit  
Barnum Wire & Iron Works,  
E. T. (Radiator) .....B  
**N. J.**—Newark  
Transparent Cellulose Pro-  
ducts Co. (Vaccination).D  
**N. Y.**—Brooklyn  
Rindskoff Bros. (Dress)..B  
New York City  
Frank & Gutman (Dress).B  
Goodyear's India Rubber  
Glove Mfg. Co. (Dress;  
Nipple) .....AAAA  
Goodyear Rubber Co.  
(Dress) .....AAAA  
Hodgman Rubber Co.  
(Dress) .....AA  
Kleinert Rubber Co., I. B.  
(Dress) .....A  
Mattson Rubber Co. (Dress;  
Breast; Nipple) .....B  
Parker, Stearns & Sutton  
(Dress) .....AA  
Rauh & Co., C. S. (Dress).D  
Roche, Oroll & Co. (Dress)  
D  
Tutelman Bros. & Faggen  
(Men's) .....A  
Warner Bros. Co. (Dress;  
Corset) .....AAAA  
**OHIO**—Akron  
Faultless Rubber Co. (Rub-  
ber Breast) .....AA  
Goodrich & Co., B. F.  
(Dress) .....AAAA  
**OHIO**—Columbus  
Ironsides Co. (Gear).....C  
**OHIO**—Cincinnati  
Behrens & Co., F. D.  
(Buckle) .....F  
**PA.**—Philadelphia  
Pexson Co., J. W., 1021 No.  
Delaware Av. (Mica Eye)  
AA  
**R. I.**—Providence  
Daval Rubber Co. (Breast;  
Nipple) .....AA

**SHIFTERS**

See Hardware; Carriage

**CONN.**—Hartford  
Pratt & Whitney Co. (Belt)  
AAAA  
**MASS.**—Boston  
Mason Regulator Co., 158  
Summer (Belt Holder)..B  
**N. J.**—Newark  
Foster Engineering Co.  
(Belt) .....B  
New York City  
Brown Co., A. & F., 26  
Courtlandt (Belt) .....A

**SHIFTERS (Con.)**

**OHIO**—Cuyahoga Falls  
Falls Rivet & Machine Co.  
(Belt) .....A  
**PA.**—Philadelphia  
Cresson Co., Geo. V., 18th  
& Allegheny Av. (Belt)  
AA  
**R. I.**—Providence  
Builders Iron Foundry  
(Belt) .....AA

**SHINGLES**

See also Lumber

**FLA.**—Apalachicola  
Cypress Lumber Co.  
(Wooden) .....AA  
**FLA.**—Pensacola  
Wright Co., W. B. (Wood-  
en) .....AA  
**GA.**—Darlen  
Hilton & Dodge Lumber Co.  
(Wooden) .....AAAA  
**GA.**—Savannah  
Southern Pine Co. of Geor-  
gia (Wooden) .....AAA  
**ILL.**—Chicago  
Palmer, Fuller & Co. (Inc.)  
(Wooden) .....A  
**ILL.**—Moline  
Dimock, Gould & Co. (Wood-  
en) .....AA  
**ILL.**—Rock Island  
Rock Island Lumber & Mfg.  
Co. (Wooden) .....AA  
**IOWA**—Davenport  
Lindsay & Phelps Co.  
(Wooden) .....AAA  
**IOWA**—Dubuque  
Standard Lumber Co.  
(Wooden) .....AAAA  
**IOWA**—Muscatine  
Musser Lumber Co. (Wood-  
en) .....AA  
**MAINE**—Portland  
Berlin Mills Co. (Wooden)  
AAAA  
**MICH.**—Bay City  
Ross & Son, W. M.  
(Wooden) .....B  
**MICH.**—Cadillac  
Cummer, Diggins & Co.  
(Wooden) .....AAAA  
Mitchell Bros. Co. (Wood-  
en) .....AAA  
**MICH.**—Detroit  
Burton Co., W. J., 164 Lar-  
ned W. (Metallic).....C  
**MICH.**—Hermansville  
Wisconsin Land & Lumber  
Co. (Wooden) .....AAAA  
**MICH.**—Ludington  
Butters Salt & Lumber Co.  
(Wooden) .....A  
**MICH.**—Manistee  
Buckley & Douglas Lumber  
Co. (Wooden) .....AAAA  
Sands, Louis (Wooden)  
AAAA  
**MICH.**—Menominee  
Lindsley Bros. Co. (Wood-  
en) .....B  
**MICH.**—Osceola  
Louds Sons Co., H. M.  
(Wooden) .....AA  
**MINN.**—Anoka  
Reed & Sherwood Mfg. Co.  
(Wooden) .....C  
**MINN.**—Minneapolis  
Nelson Tuthill Lumber Co.  
(Wooden) .....AA  
**N. J.**—Camden  
Montross Metal Shingle Co.  
(Metallic) .....D  
**N. J.**—Jersey City  
National Sheet Metal Roof-  
ing Co., 339 Grand (Met-  
allic) .....C  
Ringle & Son, Jacob, 85  
Newark Av. (Metallic).A  
**N. Y.**—Brooklyn  
Miller & Doing, 83 Wash-  
ington (Metallic) .....F  
**OHIO**—Canton  
Berger Mfg. Co. (Metallic)  
AA  
**OHIO**—Cincinnati  
Cincinnati Stamping Co.  
(Metallic) .....B  
Hyndman Steel Roofing Co.  
(Metallic) .....C

**SHINGLES (Con.)**

**OHIO**—Cleveland  
Garry Iron & Steel Co.  
(Metallic) .....A  
**OHIO**—Salem  
Mullins, W. H. (Metallic) A  
**PA.**—Philadelphia  
Cortright Metal Roofing  
Co., 50 W. 23d (Metallic) B  
Gara, McGinley & Co.  
(Metallic) .....A  
Merchant & Co., 517 Arch  
(Metallic) .....AA  
Penn Metal Ceiling & Roof-  
ing Co., 23d & Hamilton  
(Metallic) .....B  
**PA.**—Pittsburg  
Iron City Metal Ceiling Co.,  
Schmidt Bldg. (Metallic) D

Schuette Co., Wm. H.  
(Wooden) .....A  
**TENN.**—Chattanooga  
Chattanooga Roofing & Fdy.  
Co. (Metallic) .....A  
Loomis & Hart Mfg. Co.  
(Wooden) .....AA  
**TEXAS**—Orange  
Lutcher & Moore Lumber  
Co. (Wooden) .....AAAA  
**VA.**—Norfolk  
Roper Lumber Co., John L.  
(Wooden) .....AAA  
W. VA.—Wheeling  
Wheeling Corrugating Co.  
(Galvanized; Tin) .AAAA  
**WIS.**—Eau Claire  
Shaw Lumber Co., Daniel  
(Wooden) .....AA  
**WIS.**—Green Bay  
Murphy Lumber Co.  
(Wooden) .....AAAA  
**WIS.**—Hayward  
North Wisconsin Lumber &  
Mfg. Co. (Wooden) .AA  
**WIS.**—Mason  
White River Lumber Co.  
(Wooden) .....A  
**WIS.**—Mosinee  
Dessert Lumber Co., Joseph  
(Wooden) .....AA  
**WIS.**—Oshkosh  
Gould Mfg. Co. (Wooden) .A  
Radford Bros. & Co.  
(Wooden) .....A  
**WIS.**—Rice Lake  
Rice Lake Lumber Co.  
(Wooden) .....AAA  
**WIS.**—Stevens Point  
Week Lumber Co., John  
(Wooden) .....A

**SHIPS**

See also Boats &amp; Vessels

**CAL.**—San Francisco  
Union Iron Works (War)  
(Steam) .....AAAA  
**DEL.**—Wilmington  
Harlan & Hollingsworth Co.  
(Iron; Steel; (Steam) .AAAA  
Pusey & Jones Co. (Iron;  
Steel; Steam) .....AAA  
**ILL.**—Chicago  
Chicago Ship Building Co.  
(Iron; Steel) .....AA  
**MAINE**—Bath  
Bath Iron Works (Iron;  
Steel; War) .....D  
New England Co. (Steam) D  
Sewall & Co., Arthur (Iron;  
Steel) .....AA  
**MASS.**—Boston  
Atlantic Wks. (Steam) .AA  
N. J.—Camden  
Dialogue & Son, John H.  
(Steam) .....AA  
N. Y.—Brooklyn  
Continental Iron Works  
(Iron; Steel) .....A  
New York City  
American Bridge Co., 42  
B'way .....A  
**OHIO**—Cleveland  
Globe Iron Wks. Co.  
(Steam) .....AAAA  
**PA.**—Chester  
Delaware River Iron Ship  
Building & Engine Wks.  
(Steam) .....AAA

**SHIPS (Con.)**

**PA.**—Philadelphia  
Cramp & Sons Ship & Eng.  
Bldg. Co., Wm. (Iron;  
Steel; War; Steam) .AAAA  
Neafie & Levy Ship & En-  
gine Bldg. Co. (Steam) .AAA  
**VA.**—Newport News  
Newport News Ship Bldg. &  
Dry Dock Co. (War)  
(Steam) .....AAAA

**SHIRTINGS**

See Cotton Goods

**SHIRTS**

See also Underwear

**ALA.**—Mobile  
Pollock & Bernheimer  
(Men's) .....AAA  
**CAL.**—Los Angeles  
Cohn, Goldwater & Co.  
(Men's Canton Flannel) .B  
**CAL.**—Oakland  
Eagleson & Co. (Br. of Eag-  
leson-Hawkins Co. of San  
Franc.) (Men's) .....A  
Keller, M. J. C. (Men's) .A  
**CAL.**—San Francisco  
Atkins, Robert C. & Sons  
(Men's) .....C  
Dinkelspiel & Sons, L. .A  
Eagleson-Hawkins Co. (Pa-  
cific Shirt Co.) (Men's) .A  
Elkus, Brenner Co. (Men's) B  
Goldstone Bros. (Men's) .A  
Greenebaum, Weil & Mich-  
els (Men's) .....AAAA  
Heynemann & Co. ....A  
Heger, D. C. (Men's) .D  
Hirsch, Leopold .....B  
Lowenberg & Co. (Men's) .AAA  
Neustadter Bros. (Men's) .AAA  
Strauss, Levi & Co. (Men's) .AAAA  
Uhlman, Seeligsohn &  
Brown (Men's) .....B  
**COLO.**—Denver  
Howe Allen & Kaul Merc.  
Co. (Men's) .....C  
Underhill Mfg. Co. (Men's) B  
**CONN.**—New Britain  
Parker Shirt Co. (Men's  
Dress; Negligee) .....C  
**CONN.**—Norwalk  
Hutchinson Pierce & Co.  
(Men's) .....AAA  
**CONN.**—Willimantic  
Thread City Collar Co. ....B  
**DEL.**—Laurel  
Fooks & Hastings (Men's;  
Boys') .....A  
D. C.—Washington  
Hall, Philip T. (Men's) .C  
**FLA.**—Jacksonville  
Kahn, Furchgott Co.  
(Men's) .....A  
**GA.**—Atlanta  
Loeb, Marcus & Co. (Men's) B  
Robinson Co., A. M.  
(Men's) .....A  
Wolf, H. (Men's) .....C  
**GA.**—Columbus  
Georgia Mfg. Co. (Men's) .A  
**GA.**—Dalton  
Smith, M. D. & H. L.  
(Work) .....D  
**GA.**—Savannah  
American Mfg. Co. (Men's) B  
**ILL.**—Chicago  
Bartlett Lincoln Co.  
(Men's) .....D  
Bernstein, Cohn & Co.  
(Men's) .....C  
Blackman, C. S. (Men's) .D  
Calumet Shirt Co. (Men's) C  
Castle Shirt Co. (Men's  
White & Colored) .....D  
Columbus Shirt Co. (Men's  
White; Fancy; Flannel;



# SHIRTS (Con.)

Silk) .....C  
 Cutter & Crossette .....B  
 Dessauer & Engel (Men's) .....A  
 Fifield & Stevenson (Men's) .....D  
 Harshberger, Chas. R. (Men's) .....D  
 Hart Bros. (Men's) .....AA  
 Kahn Bros. & Co. (Men's) .....A  
 Leaser Levi & Co. (Men's Flannel; Negligee) .....C  
 Lewin, A. & Son (Men's) .....C  
 Marcus Sohns & Son (Men's) .....A  
 Race Clothing Mfg. Co. (Men's) .....B  
 Reliance Mfg. Co. (Men's) .....A  
 Rosenfield & Peiser (Men's) .....B  
 Ruben Marcus (Men's) .....C  
 Sterling Mfg. Co. (Work) .....A  
 Thomas & Hayden (Men's White; Fancy) .....B  
 Vogue Shirt Co. (Men's) .....C  
 Wilson Bros. (Men's) .....AAAA  
 Woodbridge, J. R. & Co. (Men's) .....C  
**ILL.—Jacksonville**  
 Columbia Mfg. Co. (Men's) .....C  
**ILL.—Peoria**  
 Peoria Mercantile Co. (Men's) .....D  
 True Fit Mfg. Co. (Men's) .....C  
**ILL.—Quincy**  
 Hargadine-McKittick Dry Goods Co. (Men's) .....AAAA  
 Menke Dry Goods Co. (Men's) .....C  
 Whitney, White Co. (Men's) .....D  
**ILL.—Rockford**  
 Rockford Overalls Mfg. Co. (Men's) .....D  
**ILL.—Springfield**  
 Hall & Herrick (Work) .....C  
**ILL.—Streator**  
 Stranber Mfg. Co., A. (Men's) .....A  
**IND.—Ft. Wayne**  
 Hirsh & Co., A. (Men's) .....D  
**IND.—Indianapolis**  
 Cones & Son Mfg. Co., C. B. (Men's Laundered; Work) .....B  
 Efroymsen & Wolf (Men's) .....A  
 Havens & Geddes Co. (Men's) .....AA  
 Meier, Lewis & Co. (Men's) .....B  
 Murphy-Graffey Co. (Men's) .....C  
**IND.—Lafayette**  
 Curtis Sons & Co., S. C. (Men's) .....C  
 Lion & Deer Mfg. Co. (Men's) .....C  
**IND.—Logansport**  
 Uhl Bros. & Co. (Men's) .....A  
**IND.—New Albany**  
 Robinson, Norton & Co. (Men's) .....AAA  
**IND.—Portland**  
 Knocker Shirt Co. (Men's) .....D  
**IND.—Richmond**  
 Bartel Co., Adam H. (Work) .....A  
**IND.—Terre Haute**  
 Ehrmann Mfg. Co. (Men's) .....A  
 Stahl-Urban Co. (Work) .....A  
**IOWA—Burlington**  
 Connor Merc. Co. (Men's) .....C  
**IOWA—Davenport**  
 Davenport Garment Mfg. Co. (Men's) .....D  
 Krause Co., Robert (Inc.) (Men's) .....B  
**IOWA—Dubuque**  
 Bell Bros. Co. (Men's) .....B  
 Glover Co., J. B. (Men's) .....A  
 Rider-Wallis Co. (Men's) .....AA  
**IOWA—Fort Dodge**  
 Mulroney Mfg. Co. (Men's) .....C

# SHIRTS (Con.)

**IOWA—Keokuk**  
 Irwin-Phillips Co. (Men's Work; Laundered) .....A  
**IOWA—Oskaloosa**  
 Baker, H. A. (Men's) .....B  
**KANS.—Atchison**  
 Howard Mfg. Co., Frank (Men's) .....B  
**KANS.—Kansas City**  
 Western Gents Union Mfg. Co. (Men's) .....D  
**KY.—Louisville**  
 Carter Dry Goods Co. (Men's) .....AAA  
 Falls City Shirt Mfg. Co. (A. H. Simon & Co., Prop.) (Men's Negligee; Fancy) .....D  
 Mayer Shirt Co. (Men's Colored; White) .....D  
 Platt N. Sid Co. (Men's Custom; Stock) .....D  
**LA.—New Orleans**  
 Fraenkel, Max (Men's) .....C  
 Katz, S. & J. & Co. (Men's) .....A  
 Kory & Sons, A. (Men's) .....A  
 Lehmann & Co., A. (Men's) .....AA  
 Perry, S. B. (Men's) .....C  
**MAINE—Bangor**  
 Foster, Estabrooks Co. (Men's White; Work; Flannel) .....D  
**MAINE—Lewiston**  
 Bates Street Shirt Co. (White; Fancy; Negligee) .....G  
**MAINE—Waterville**  
 Hathaway & Co., C. F. (Men's) .....B  
**MD.—Baltimore**  
 Adams & Lefranc (Men's White; Fancy) .....D  
 Bentley & Melvin (Men's) .....D  
 Coblenz, Cahn & Co. (Men's) .....B  
 Fossett, F. C. & Son (Men's) .....D  
 Hardy, Geo. E. W. (Men's Custom) .....C  
 Heineman, Fred (Men's Dress; Night) .....D  
 Kiehne, E. A. & Co. (Men's Colored Negligee) .....D  
 Kirwan, Geo. W. & Co. (Men's Custom) .....B  
 Lauer, Lewis & Co. (Men's Fancy; Dress; Negligee) .....C  
 McPherson, John W. & Sons (Men's) .....B  
 Morris & Co. (Men's Flannel; Work; Night) .....B  
 Myer & Co., Hy (Men's) .....C  
 North Bros. & Strauss (Men's White) .....A  
 Oppenheim Oberndorf & Co. (Men's Cotton) .....AA  
 Schenthal, Jos. & Sons (Men's) .....C  
 Standaard Overall Co. (Men's) .....D  
 Steppacher & Stern (Men's) .....C  
 Stratton, T. S. & Son (Men's) .....C  
 Strauss Bros. (Men's) .....AA  
 Strauss Elsmann & Co. (Men's White; Colored) .....A  
 Stuart & Keith (Men's) .....B  
 Towles Mfg. Co., Wm. H. (Night) .....C  
 Wiltz Bros. & Co. (Men's) .....B  
**MD.—Choptank**  
 Wright & Co., W. M. (Men's) .....D  
**MASS.—Boston**  
 Drevfus, Jacob & Sons (Men's) .....A  
 Hawley, Folsom & Ronimus (Men's Work) .....A  
 Levenson's, L. Sons (Men's) .....C  
 Pearson Co., J. B. (Men's) .....C  
 Simon Mfg. Co. (Working) .....D  
 Simons, Hatch & Whitten Co. (Men's) .....AA  
**MASS.—Leominster**  
 Wachusett Shirt Co. (Men's Fine White; Fancy) .....A

**SHIRTS (Con.)****MASS.—Natick**

Edwards, E. &amp; Sons (Men's Negligee) .....D

Randall Bros. (Men's)....D

**MASS.—New Bedford**

Denham, T. M. &amp; Bros. (Men's White; Night)...D

**MASS.—Springfield**

M. &amp; M. Mfg. Co. (Rubber Bosom) .....E

**MASS.—Watertown**

Elm City Mfg. Co. (Men's) .....D

**MASS.—West Newton**

Martin Mfg. Co. (Men's) .....D

**MASS.—Worcester**

Hildreth &amp; Co., A. G. (Work) .....C

Rowell, W. P. &amp; Co. (Men's Custom) .....D

Thayer &amp; Co. (Men's)....D

**MICH.—Ann Arbor**

Mack &amp; Co. (Men's).....C

**MICH.—Detroit**

Imerman Bros. ....C

Peerless Mfg. Co (Men's).B

Rosen &amp; Co., A. D. (Men's) .....B

Rosenfield Monroe Co. (Men's) .....C

Stanton &amp; Co., M. M. (Men's) .....AAA

**MICH.—Grand Rapids**

Ideal Clothing Co. (Men's) .....B

Kelly Shirt Co. (Men's White; Colored) .....D

**MICH.—Lansing**

Flint Pantaloon Co. (Men's) .....C

**MICH.—Saginaw**

Wylie Mfg. Co. (Men's)...C

**MINN.—Duluth**

Christensen, Mendenhall &amp; Graham (Men's) .....C

**MINN.—Minneapolis**

Belden &amp; Evans (Men's White; Colored; Flannel) .....D

Plymouth Clothing House (Men's) .....AA

Robitskik, Frank &amp; Heller (Men's) .....A

Wyman Partridge &amp; Co. (Men's) .....AAAA

**MINN.—St. Paul**

Finch, Young &amp; Mc Conville (Men's) .....AAA

Gultermann Bros. (Men's)A

Lindeke, Warner &amp; Schurmeler (Men's) .....AAAA

Sternberg, Well &amp; Co. (Men's) .....B

**MINN.—St. Peter**

Johnson &amp; Co.....B

**MO.—Jefferson**

Star Clothing Co. (Men's).C

**MO.—Kansas City**

Burnham-Munger Mfg. Co. ....AAAA

Smith, McCord, Townsend Dry Goods Co. (Men's) .....AAA

Standard Mfg. Co. (Men's) .....D

Swofford Bros. Dry Goods Co. (Men's) .....AAA

Woolf Bros. Shirt Mfg. Co. Dry Goods Co. (Men's) .....D

**MO.—St. Joseph**

Brittain Dry Goods Co., John S. (Men's).....AA

Hundley Smith Dry Goods Co. ....AA

Mc Donald &amp; Co., R. L. (Men's) .....AAA

Richardson Roberts Dry Goods Co. (Men's)...AAA

Tootle Wheeler &amp; Motter Merc. Co. (Men's).AAAA

**MO.—St. Louis**

Bohm Bros. Furnishing Goods Co. (Men's).....A

Boulevard Shirt Mfg. Co. (Men's) .....D

Boyd, T. B. &amp; Co. (Men's) .....C

Buckley Custom Shirt Mfg. Co. (Men's Custom)....D

**SHIRTS (Con.)**

Casey, P. A. &amp; Co. (Men's) .....C

Ely &amp; Walker Dry Goods Co. (Men's) .....AAAA

Everett Mfg. Co. (Men's).D

Ferguson-Mc Kinney Dry Goods Co. (Men's).AAAA

Gilbert Bros. (Men's)....C

Hargadine Mc Kittrick Dry Goods Co. (Men's).AAAA

Lipshitz, M. &amp; Co., (Men's) .....C

New Era Mfg. Co. (Men's Negligee) .....B

Premium Mfg. Co. (Men's) .....AAAA

Red Diamond Clothing Co. (Work) .....C

Rice Stix Dry Goods Co. (Men's) .....AAAA

Well Julius (Men's).....C

Wolff, Paul E. Shirt Co. (Men's) .....B

**MO.—Sedalia**

Lamy Mfg. Co., J. A. (Men's) .....B

**MONT.—Helena**

Greenhood Benis Co. (Men's) .....B

**NEBR.—Lincoln**

Herman Bros. Mfg. Co. (Men's) .....A

Lincoln Overall &amp; Shirt Co. (Men's) .....D

**NEBR.—Omaha**

Byrne &amp; Hammer Dry Goods Co. (Men's) .....AAAA

King &amp; Smead (Men's)...C

Smith, M. E. &amp; Co. (Men's) .....AA

**N. H.—Canaan**

Barney Bros. (Men's)....C

**N. H.—Lebanon**

Carter &amp; Sons, H. W. (Men's) .....B

Carter &amp; Churchill Co. (Men's) .....B

**N. J.—Elizabeth**

Rosenstein, S. &amp; W. H. (Men's) .....D

**N. J.—Newark**

Shiner, Alexander W. (Men's) .....C

Smith-Linnett Shirt Co. (Men's White; Colored).C

Sutphen, Co., C. Edgar (Men's White; Fancy; Negligee) .....C

**N. J.—Paterson**

Levi, Jacob &amp; Co. (Men's).C

Manhattan Shirt Co. (Men's) .....AAA

**N. J.—South River**

Herrmann, Aukam &amp; Co. (Men's) .....AAAA

**N. J.—Trenton**

Murray, Griffith &amp; Messler (Men's) .....B

**N. Y.—Albany**

Albany Garment Co. (Men's) .....C

Munson, S. L. (Men's)....A

**N. Y.—Amsterdam**

Liddle Knitting Co. (Knit) .....D

**N. Y.—Binghamton**

Bennet-Morgan Co. (Men's) .....C

Mc Henry Shirt Co. (Men's Custom) .....D

Smith, Cray &amp; Davidge (Men's) .....B

Smith, Kinney &amp; Co. (Men's) .....B

**N. Y.—Brooklyn**

Men's Wear Co. (Men's Dress) .....D

**N. Y.—Buffalo**

Beyer Bros. (Men's).....B

Buffalo Shirt Co. (Men's; Boys') .....D

Humburch, W. C. (Men's Custom; Fancy; White).C

Kinne &amp; Kinne Co. (Men's) .....D

La Due, Tate Mfg. Co. (Men's) .....B

Lepper &amp; Ellwood (Men's) .....D

Niagara Overall &amp; Pants Co. (Men's) .....D

# SHIRTS (Con.)

**N. Y.—Chatham**  
Chatham Shirt Co. (Men's  
White; Colored; Night).B  
**N. Y.—Chestartown**  
Faxon Mfg. Co., C. H.  
(Men's) .....A  
**N. Y.—Danville**  
Hubertus, H. & Sons  
(Men's) .....D  
**N. Y.—Dunkirk**  
Dunkirk Shirt Co. (Men's)  
.....C  
**N. Y.—Ephratah**  
Yanney Levi (Men's) ....O  
**N. Y.—Glens Falls**  
Glens Falls Shirt Co.  
(Men's) .....C  
McMullen, Leavens Co.  
(Men's White; Fancy) ..C  
Robertson, D. L. & Co.  
(Men's) .....C  
Well, Haskell Co. (Men's;  
Boys) .....AAA  
**N. Y.—Homer**  
Newton & Co. (Cotton;  
Flannel) .....D  
**N. Y.—Jamestown**  
Logan, R. T. (Men's Cus-  
tom) .....D  
**N. Y.—Lockport**  
Dumville & Co. (Men's  
White; Colored) .....C  
Sillesky, D. R. & Co. (Men's  
White; Colored; Night)C  
Tothill Shirt Co (Men's  
White; Colored to order)D  
**N. Y.—Millerton**  
Eggleston Hanford & Co  
(Men's Working) .....D  
**N. Y.—Newburgh**  
Sweet, Orr & Co. (Men's)..  
AA  
**New York City**  
Abrams & Marcus (Men's)D  
Ballin, M. & Sons (Men's)D  
Ballin, J. H. & S. (Men's  
White; Colored; Negligee;  
Work; Blue; Fancy Flan-  
nel) .....D  
Bellamy, Geo. E. (Men's)C  
Bernheim, Dryfoos & Herri-  
man (Men's) .....B  
Biermann, Henry (Men's)D  
Broom & Meyer (Men's  
Negligee; Stiff Bosoms)C  
Carmichael, S. P. (Men's)D  
Dreyfus, J. & Sons (Men's)  
.....A  
Dublinsky, Louis (Men's)D  
Duclos, D. E. (Men's)  
Custom) .....D  
Elghmie Shirt Co. (Men's  
Dress; White; Colored;  
Negligee) .....B  
Elias Bros & Co. (Men's).A  
Fisk, Clark & Flagg  
(Men's) .....A  
Frank Lewis & Sons (Men's  
Cassimere; Work; Flan-  
nel; Outing) .....A  
Freezer & Cohen (The  
World Shirt Co.) (Men's  
Negligee) .....D  
Friend, Sol & Co. (Men's  
Work; Negligee) .....B  
Gittenstein, A. & Bro.  
(Men's) .....C  
Hauptner, Chas. & Co  
(Men's Custom) .....C  
Hutchinson, Pierce & Co.  
(Men's) .....AAA  
Jacobson & Gleitzman  
(Men's) .....B  
Kanlan, Joseph & Bro.  
(Men's Shirts; Boys  
Waists) .....C  
Kaskel & Kaskel (Men's)B  
Keep, H. V. Shirt Co.  
(Men's) .....D  
Keep Mfg. Co. (Men's Dress;  
Negligee; Night) .....A  
Kirker & Friedman (Men's)  
.....C  
Kohlenzer, Morris .....B  
Kommel, J. (Men's Negli-  
gee; Work; Flannel) ..D  
Lederer & Block (Men's)B  
Levin & Zatulove (Men's)C  
Liebovitz, S. & Son (Men's)  
.....A  
Loewy, J. & Co. (Men's) ..C  
Loewy, J. & Son (Men's)B  
McLaughlin, W. A.

# SHIRTS (Con.)

(Men's) .....B  
**Manheimer & Schwarz**  
(Men's Negligee; Flannel)  
.....D  
Meyerhoff, Sol. K. (Men's)  
.....D  
Michaelis & Rohman (Men's  
Custom) .....D  
Millen, E. & Co. (Men's  
Dress; Negligee; Night)  
.....A  
New Columbia Shirt Co.  
(Men's) .....C  
Newell, E. A. (Men's) ..B  
Noveck, S. & Co. (Men's  
Negligee; Fancy; Flan-  
nel) .....C  
Rice, L. H. & Co. (Men's)C  
Roggen & Eisenstein (Men's  
White; Colored) .....A  
Rosen, Morris H. & Co.  
(Men's Negligee; Plain;  
Fancy; Flannel) .....D  
Rosenstein, S. & W. K.  
(Men's) .....C  
Rothschild, V. Henry Co.  
(Men's Colored; Negligee;  
Laundered) .....B  
Salant & Salant (Men's) ..C  
Samuels, I. A. & Co.  
(Men's) .....C  
Sapovit & Rosenthal (Apex  
hirt Co) (Men's) .....D  
Scharps & Simon (Men's)D  
Schneer's Son & Co., Isaac  
(Men's) .....B  
Schmeidler, Rosen & Co.  
(Men's) .....D  
Scriven, J. A. Co. (Men's)B  
Shiner, Alex. W. (Men's)C  
Silberstein Bros. (Men's)A  
Simon, Julius (Men's Shirts;  
also Flannel Night Shirts)  
.....C  
Stern & Son (Men's).....D  
Sternburger, Samuel & Co.  
(Men's) .....A  
Werbin, S. & Son (Men's;  
Boys) .....D  
**N. Y.—Oneonta**  
Buckley Bros. Co. (Men's)C  
**N. Y.—Peekskill**  
Janowitz-Maxwell Co.  
(Men's Shirts; Boys  
Waists) .....D  
**N. Y.—Petersburg**  
Reynolds C. W. & Co. (Pet-  
ersburg Mfg. Co.) (Men's  
Fancy; White) .....A  
**N. Y.—Plattsburg**  
Plattsburg Shirt Co.  
(Men's) .....D  
**N. Y.—Port Chester**  
Simons Ernest Mfg. Co.  
(Men's White; Night)..B  
**N. Y.—Salem**  
Manhattan Shirt Co.  
(Men's) .....AAAA  
**N. Y.—Sandusky**  
Hayden Theo. (Men's  
Flannel) .....C  
**N. Y.—Spring Valley**  
Falkenberg, Chas. (Men's)  
.....B  
**N. Y.—Syracuse**  
Peters, C. A. (Men's)....D  
Negligee) .....D  
**N. Y.—Troy**  
Cluett, Peabody & Co.  
(Men's Linen) .....AAA  
Curtis, H. C. & Co.  
(Men's) .....B  
Earl & Wilson .....A  
Fellows & Co. (White  
Dress) .....B  
Hall, Hartwell & Co.  
(Men's White; Fancy).A  
Ide, Geo. P. & Co (Men's  
Shirts; Waists) .....A  
International Shirt & Collar  
Co. (Men's) .....A  
McClellan Co., C. H.  
(White Dress; Colored;  
Negligee) .....D  
Miller-Hale Shirt & Collar  
Co. (Men's) .....D  
Tim & Co. (Men's White;  
Colored) .....A  
United Shirt & Collar Co.  
(Men's) .....AAAA  
William Campbell Stephens  
Co. (Men's White; Fancy)  
.....A

**SHIRTS (Con.)**

**N. Y.—Utica**  
 Riverside Mfg. Co. (Rath-  
 bun & Co.) (Work) ....A  
**N. Y.—Warrensburg**  
 Empire Shirt Co. (Men's)..  
 AAA  
**N. Y.—Waterford**  
 American Shirt & Collar Co.  
 (Men's White) .....D  
**OHIO—Canton**  
 Moore, M. (Men's Muslin;  
 Flannelette; Night also  
 Work) .....D  
**OHIO—Cincinnati**  
 Eisenman & Co., Chas.  
 (Men's) .....A  
 Globe Overall Mfg. Co.  
 (Work) .....D  
 Goffton, Frank (Men's) ..D  
 Golde, Geo. & Co. (Men's)  
 D  
 Hanke Bros. (Men's) .AAA  
 Levine Bros. (Men's) ...C  
 Lowmans' Sons (Men's  
 White; Fancy; Negligee)  
 A  
 Martin, A., Jr. (Men's) ..D  
 Rauh & Mack Shirt Co.  
 (Men's; all kinds) ....D  
 Reiter & Co., Peter (Men's)  
 D  
 Roth & Roth (Men's) ...C  
 Victor Shirt Co. (Men's) .C  
 Wald Lewis & Co. (Men's;  
 Laundered; Fancy; Work)  
 A  
**OHIO—Cleveland**  
 Enterprise Mfg. Co. (Men's)  
 D  
 Fisher, B & Son (Men's) C  
 Halle Schwartz & Skall  
 Men's) .....A  
 Klein Lichtenstader & Co.  
 (Men's Work) .....A  
 Metropolitan Mfg. Co.  
 (Men's) .....D  
 Schwartz & Co. (Men's) ..D  
 Steifel, Holstein & Falk  
 (Men's) .....D  
**OHIO—Columbus**  
 Allen Mfg. Co. (Men's) ..D  
 Capitol Mfg. Co. (Men's) D  
 Columbus Mdse Co. (Men's)  
 A  
**OHIO—Dayton**  
 Gem Shirt Co. (Men's; all  
 kinds) .....A  
 Legler & Co. (Men's) ....A  
**OHIO—Hamilton**  
 Sommers Mfg. Co., J. A.  
 (Men's) .....C  
**OHIO—Lisbon**  
 Miller, Geo. L. (Men's) ..D  
**OHIO—Toledo**  
 Shaw & Welty Shirt Co.  
 (Men's; Negligee) ....C  
**OREGON—Portland**  
 Fleischner, Mayer & Co.  
 (Men's) .....AAA  
**PA.—Allentown**  
 Bittner, Hunsicker & Co.  
 (Men's) .....AA  
**PA.—Columbia**  
 Triumph Embroidery Co.  
 Kinds) .....C  
**PA.—Dillsburg**  
 Harrisburg Mfg. Co.  
 (Men's) .....D  
**PA.—Easton**  
 Correll, J. W. (Men's) ..B  
**PA.—Glen Rock**  
 Industrial Sewing Co.  
 (Men's) .....C  
**PA.—Hasleton**  
 Gerhardt Jacob & Co.  
 (Men's Negligee, &c.) ..B  
**PA.—Lebanon**  
 Rauch & Bro. (Men's  
 Boy's) .....D  
**PA.—Mt. Wolf**  
 Mt. Wolf Mfg. Co. (Men's;  
 Boy's) .....D  
**PA.—Norristown**  
 Quaker City Shirt Mfg Co.  
 (Men's; Boy's; Negligee;  
 Stiff Bosom) .....U  
 Stennacher, W. M. & Bro.  
 (Men's) .....B  
**PA.—Philadelphia**  
 Baxter, Thos E. & Co.  
 (Men's Negligee; Laund-  
 ered) .....C  
 Brandes & Bro. (Men's) ..P

**SHIRTS (Con.)**

Brownstein Segall & Co.  
 (Men's Shirts; Boy's  
 Waists) .....D  
 Brubaker & Son, E. (Men's)  
 D  
 Eiseman, B. & W. (Men's)  
 D  
 Eshleman & Craig Co.  
 (Men's Custom) .....B  
 Feingold, S. & Co. (Men's  
 Shirts; Boy's Waists) ..D  
 France, D. C. & Co. (Men's  
 Negligee) .....C  
 Gantert & Carpenter  
 (Men's) .....D  
 Greenebaum Bros. (Men's)  
 D  
 Gross & Raab (Men's Neg-  
 ligee; Dress) .....C  
 Hagedorn Merz Co. (Men's)  
 A  
 Karr, Jacob A. & Co.  
 (Men's) .....D  
 Lang & Co., H. A. (Men's)  
 C  
 Manifest Shirt Co. (Men's)  
 D  
 Meyerhoff Son & Co. (Men's  
 Negligee only) .....B  
 Meyerhoff & Jacobs (Men's  
 Laundered; Unlaundered  
 Negligee) .....B  
 Miller, John P. (Men's  
 Custom) .....C  
 Miller, Jacob Sons & Co.  
 (Men's; all kinds) ....AA  
 Miller Solomon & Co.  
 (Men's) .....A  
 Needles, L. & Co. (Men's  
 Negligee; Night) .....D  
 Robbins, J. S. (Men's Neg-  
 ligee; Boy's Waists) ..D  
 Roomberg Bros. (Men's) .D  
 Shedaker, Chas. E. (Men's;  
 all kinds) .....B  
 Steppacher, W. M. & Bro.  
 (Men's Dress; Negligee)  
 B  
 Sternberger, Samuel & Co.  
 (Men's) .....A  
 Tutelman Bros. & Faggen  
 Men's Negligee) .....A  
 Underdown, A. R. (Men's)  
 C  
 Weil, Bachrach & Co.  
 (Men's) .....B  
**PA.—Pittsburg**  
 Arbutnot Stephenson Co.  
 (Men's) .....AAA  
 Ferguson, Ferguson & Co.  
 (Men's) .....C  
 Hannah Bros. (Men's) ..D  
 Mansmann Bros. (Men's) D  
 Pittsburg Dry Gds Co.  
 (Men's) .....AAA  
 Rauh Bros. & Co. (Men's)  
 AAA  
**PA.—Pottsville**  
 Phillips, M. & Son  
 (Men's) .....A  
**PA.—Reading**  
 Brunsstar, Jas. S. & Co.  
 Men's) .....C  
 Mercer, James R. (Men's)  
 B  
**PA.—Scranton**  
 White Mfg. Co., Theo. A.  
 (Men's) .....D  
**PA.—Shippensburg**  
 Rummel Hines & Co.  
 (Men's) .....C  
**PA.—Telford**  
 Godshall, Jacob G. (Men's  
 White; Fancy) .....D  
**PA.—Waynesboro**  
 Waynesboro Mfg. Co.  
 (Work) .....D  
**PA.—York**  
 Rear Mfg. Co. (Men's) ..C  
 Williams, J. E. & Co.  
 (Men's Negligee) .....B  
**S. C.—Charleston**  
 Wilbur & Son, T. A.  
 (Men's) .....A  
**TENN.—Knoxville**  
 Briscoe Mfg. Co. (Men's) C  
**TENN.—Memphis**  
 Loeb, Henry Shirt Co.  
 (Men's) .....B  
 National Woolen Co.  
 (Men's) .....B  
**TENN.—Nashville**  
 Fish & Weil (Men's) ....C

**SHIRTS (Con.)**

Frank & Co. (Men's Custom) ..... C  
 O'Bryan Bros. (Work) ... A  
**TEXAS—Dallas**  
 Rose Mfg. Co. (Men's) ... B  
 Sanger Bros. (Men's) ..... A  
**TEXAS—Galveston**  
 Pierson, A. L. (Men's) ... C  
**VT.—Island Pond**  
 Gane, G. A. Shirt Co. (Men's White) ..... A  
**VA.—Norfolk**  
 Hatch & Dean (Men's Custom; White; Fancy) ... D  
 Steels Union Overall Co. (Work) ..... D  
**VA.—Urbana**  
 Urbana Mfg. Co. (Men's Work) ..... C  
**WASH.—Spokane**  
 Spokane Dry Gds. Co. (Men's) ..... A  
**W. VA.—Huntington**  
 Biggs Watts & Co. (Men's) ..... B  
**W. VA.—McMechen**  
 McMechen Mfg. Co. (Men's Work) ..... A  
**W. VA.—Parkersburg**  
 Case Mfg. Co. (Men's Cotton; Work; Flannel) D  
**WIS.—Appleton**  
 Appleton Shirt & Pants Co. (Men's) ..... C  
**WIS.—Fond Du Lac**  
 Fond Du Lac Shirt & Overall Co. (Men's Work) D  
**WIS.—Janesville**  
 Janesville Clothing Co. (Men's) ..... D  
**WIS.—La Crosse**  
 Martin Bros. Co. (Men's) ..... C  
**WIS.—Milwaukee**  
 Fein Bros. & Co., S. (Men's) ..... C  
 Goll & Frank Co. (Men's) ..... A  
**Landauer & Co. (Men's)** A  
 Mahler Allenberg & Co. (Men's) ..... A  
 Rice, J. H. & Friedmann Co. (Men's) ..... A  
**WIS.—Racine**  
 Alshuler Mfg Co., Chas. (Men's) ..... B

**SHODDIES**

See Woolen Goods

**SHODDY**

**CONN.—Stafford Springs**  
 Smith & Cooley ..... B  
**N. Y.—Albany**  
 Barret, Wm. .... B  
**N. Y.—Cohoes**  
 United Waste Mfg. Co. ... B  
**OHIO—Cincinnati**  
 Collings-Taylor Co. (All Wool) ..... A  
 Hey & Co., Benj. .... A  
**OHIO—Cleveland**  
 Acme Woolen Mill Co. (Wool) ..... C  
 National Woolen Co. (Woolen) ..... A  
**PA.—Philadelphia**  
 Adams & Co., Jos. M. (Wool) ..... A  
 Hall & Co. (Cotton; Woolen) ..... B  
 Kitchen & Co., Jas. G. ... A  
 Simister & Son, Chas R. ... B  
 Spink, M. .... B  
**PA.—Upland**  
 Wellworth & Sons, J. (Wool) ..... B

**SHOES**

See also Boots; Shoes; Horse Shoes

**ALA.—Selma**  
 Peacocks Iron Wks. (Brake) ..... C  
 Union Iron Works (Brake) ..... B  
**CAL.—San Francisco**  
 Hendy Machine Wks, John

**SHOES (Con.)**

(Stamp Mill) ..... AA  
**COLO.—Denver**  
 Colorado Iron Works Co., 721 17th (Stamp Mill) ..... AA  
 Davis Iron Wks. Co., F. M., 8th & Larimer (Stamp Mill) ..... AA  
**CONN.—Bristol**  
 Sessions Fdy. Co. (Brake) ..... AA  
 Sessions & Son, J. H. (Trunk) ..... AA  
**CONN.—Lime Rock**  
 Barnum, Richardson Co. (Brake; Gun Metal) AA  
**CONN.—Mt. Carmel**  
 Woodruff & Sons' Co., W. W. (Horse; Ox; Mule) ... X  
**CONN.—Plantsville**  
 Atwater Mfg. Co. (Ox) ... A  
**DEL.—Wilmington**  
 Diamond State Steel Co. (Horse; Mule; Cowboy, &c.) ..... X  
**ILL.—Chicago**  
 Allen & Morrison Brake Shoe Mfg. Co., Tacoma Bldg. (Brake) ..... C  
 Allis-Chalmers Co., Home Ins. Bldg. (Stamp Mill; Ore Crushing; Dies) ..... A  
 McCord & Co., Old Colony Bldg. (Brake) ..... D  
 McGuire Cummings Mfg. Co., 122 N. Sangamon (Brake) ..... A  
 Manufacturers' Railway Supply Co. (Brake; Drilling; Interlocking) ... X  
 Spear & Miller Co., Monadnock Bldg. (Brake) ... F  
**IND.—Logansport**  
 Dorner Truck & Fdy. Co. (Brake) ..... D  
**IND.—Montpelier**  
 National Steel Casting Co. (Stamp Mill) ..... X  
**MD.—Baltimore**  
 Baltimore Car Wheel Co. (Brake) ..... B  
 Diven-Deved Fdy. Co., 818 S. Howard (Brake) ... D  
 Levering Bros. (Brake) ... C  
**MASS.—Boston**  
 Neverslip Horseshoe Co. (Horse) ..... D  
 Standard Horseshoe Co. (Horse; Mule) ..... D  
**MASS.—Cambridge**  
 Barbour Stockwell Company (Brake; Electric Railway) ..... A  
**MASS.—Millers Falls**  
 Millers Falls Co. (Ox) ... AA  
**MASS.—Taunton**  
 Taunton Locomotive Mfg. Co. (Brake) ..... AA  
**WICH.—Detroit**  
 Monarch Brake Beam Co. Wight & Lesh (Brake) ... C  
 Pingree Co. (Plow) ... AA  
 Wheel Truing Brake Shoe Co., 108 Miami Av. (Brake) ..... D  
**WICH.—Hancock**  
 Portage Lake Fry. & Machine Co. (Stamp Mill) D  
**MO.—St. Louis**  
 American Car & Fdy. Co., 706 Chestnut (Brake) ..... A  
 Kunferle, John C. (Sleigh; Wagon Lock) ..... A  
 Pleuger & Henger Mfg. Co. (Sleigh; Wagon Lock) A  
 Western Forge Co., 520 Olive (Stamp Mill) ... B  
**N. J.—High Bridge**  
 Taylor Iron & Steel Co. (Stamp Mill; Ore Crushing; Dies) ..... AAAA  
**N. J.—Hoboken**  
 New York Switch & Crossing Co. (Brake) ..... A  
**N. J.—New Brunswick**  
 Neverslip Mfg. Co. (Horse) ..... AA  
**N. J.—Phillipsburg**  
 American Horse Shoe Co. (Horse; Jack; Mule) ... B

**SHOES (Con.)**  
**N. Y.—Brooklyn**  
Pollard, Jos. G., 141 Bay-  
mond (Steel Plank) ....F  
**N. Y.—Buffalo**  
New York Car Wheel Wks.,  
German Insurance Bldg.  
(Brake) .....AA  
**N. Y.—Hillburn**  
Ramapo Fdy. & Machine  
Wks. (Brake) .....AAA  
**N. Y.—Manlius**  
Cheney & Son, S. (Sleigh;  
Wagon Lock) .....A  
**N. Y.—Medina**  
Swett Iron Works, A. L.  
(Brake) .....A  
**New York City**  
American Brake Shoe &  
Fdy. Co., 170 Broadway  
(Brake) .....A  
Bemis Car Truck Co., 120  
Liberty (Brake) .....E  
Corning Brake Shoe Co., 26  
Cortlandt (Brake) .....H  
Koppel, Arthur, 68 Broad  
(Stamp Mill) .....A  
Wendell & McDuffie, 26  
Cortlandt (Brake) .....B  
**N. Y.—Poughkeepsie**  
Phoenix Horse Shoe Co.  
(Horse; Mule) .....AAA  
**N. Y.—Troy**  
Burden Iron Co. (Horse;  
Mule) .....AAAA  
Taylor Electric Truck Co.  
(Brake) .....B  
**OHIO—Akron**  
Goodvear Tire & Rubber Co.  
(Rubber; Horse) .....B  
Whitman & Barnes Mfg.  
Co. (Horse; Rubber) .....AAAA  
**OHIO—Cambridge**  
Cambridge Fdy. Co. (Brake)  
F  
**OHIO—Cincinnati**  
Eureka Foundry Co. (Brake)  
A  
Mowry Car Wheel Works,  
2401 Eastern Av. (Brake)  
B  
**OHIO—Cleveland**  
Fulton Fdy. Co. (Brake)..F  
Van Dorn & Dutton Co.,  
1796 E. Madison Av.  
(Brake) .....D  
**OHIO—Lima**  
Lima Locomotive & Machine  
Co. (Brake) .....AA  
**OHIO—Toledo**  
Vulcan Iron Wks. (Brake)  
A  
**PA.—Bellwood**  
Bellwood Mfg. Co. (Brake)  
C  
**PA.—Catasaugua**  
Bryden Horse Shoe Co.  
(Horse; Mule) .....AA  
**PA.—Fullerton**  
Lehigh Car Wheel & Axle  
Wks. (Brake) .....AAAA  
**PA.—Nazareth**  
Nazareth Fdy. & Machine  
Co. (Brake) .....B  
**PA.—Philadelphia**  
Brill Co., J. G., 62d &  
Woodland Av. (Brake)  
AAAA  
Chester Steel Castings Co.,  
407 Sansom (Stamp Mill;  
Brake; Ore Crushing;  
Dies) .....AA  
Janney, Steinmetz & Co.,  
Drexel Bldg. (Pile) ....D  
**PA.—Philadelphia**  
Wharton, Jr. & Co., Wm.,  
25th & Washington Av.  
(Brake; Electric Rail-  
way) .....AAA  
**PA.—Pittsburg**  
Pittsburg Brake Shoe Co.  
Farmers' Bank Building  
(Brake) .....C  
**PA.—Scranton**  
Scranton Forging Co. (Ox)  
A  
**PA.—South Bethlehem**  
Bethlehem Fdy. & Machine  
Co. (Brake) .....C  
**PA.—York**  
Hench & Dromgold Co.  
(Plow) .....B

**SHOES (Con.)**  
**R. I.—Providence**  
Rhode Island Perkins Horse  
Shoe Co. (Horse; Mule)  
AAAA  
**TENN.—Bristol**  
Virginia Iron, Coal & Coke  
Co. (Horse; Mule) ....A  
**TENN.—Chattanooga**  
Ross-Meehan Fdy. Co....A  
**TENN.—Memphis**  
Livermore Fdy. & Machine  
Co. (Mule) .....A  
**VA.—Richmond**  
Old Dominion Iron & Nail  
Wks. Co. (Horse; Mule)  
AA  
Tredegar Co. (Horse; Mule)  
AAA  
**WIS.—Beloit**  
Thompson & Sons Mfg. Co.,  
J. (Plow) .....AA  
**WIS.—Oudahy**  
Power & Mining Machin-  
ery Co. (Stamp Mill)  
AAA  
**WIS.—South Milwaukee**  
Eagle Horse Shoe Co.  
(Horse; Mule) .....B  
**SHOOFLYS**  
**MASS.—Leominster**  
Whitney Reed Chair Co.  
AAAA  
**MO.—St. Louis**  
Great Western Planing  
Mill Co. ....B  
**WIS.—Milwaukee**  
Meinecke & Son, A. ....AA  
**SHOOKS**  
See also Boxes: Wooden  
**LA.—Patterson**  
Cypress Tank & Mfg. Co.  
(Tub; Bucket, &c.; for  
Washing Machines Ice  
Cream Freezers) .....B  
**MAINE—Bangor**  
Stewart & Co., T. J. (Box)  
X  
**MAINE—Eastport**  
Blanchard Mfg. & Canning  
Co. (Box) .....D  
**MD.—Baltimore**  
Canton Box Co. (Box, Cy-  
press; Box, Poplar) ....B  
**MASS.—Carver**  
Bent, John (Box) .....D  
**MASS.—East Norton**  
Lincoln, Moses (Box)....F  
**MASS.—Worcester**  
Baker Co., Chas. (Box)..C  
**MICH.—Bay City**  
Vance Box Co., Ltd., E. J.  
(Box) .....B  
**MICH.—Bay Mills**  
Hall & Munson Co. (Box)  
X  
**MICH.—East Saginaw**  
Mershon & Co., Wm. B.  
(Box) .....A  
**N. J.—Jersey City**  
Dodge & Bliss Co. (Box)  
AA  
**N. Y.—Binghamton**  
Beman & Co. (Box) ....B  
**N. Y.—Buffalo**  
Buffalo Box Factory (Box)  
A  
**New York City**  
Estes & Sons, E. B. (Box)  
AA  
Patterson, T. G. (Box)..AA  
**N. Y.—North Tonawanda**  
Butts & Co., Chas. G. (Box)  
D  
**OHIO—Cincinnati**  
Cincinnati Cooperage Co.  
(White Oak) .....AAA  
**SHOT**  
**CAL.—San Francisco**  
Selby Smelting & Lead Co.  
(Drop; Chilled, &c.; Lead;  
Buck) .....AAA  
**ILL.—Chicago**  
American Shot & Lead Co.,  
70 N. Clinton (Buck;  
Chilled) .....AAAA

**SHOT (Con.)**

Chicago Shot Tower Works  
AAAA  
Raymond Lead Co., 55 W.  
Lake (See Amer. S. & L.  
Co.) (Buck; Chilled)  
AAAA  
MD.—Baltimore  
Robertson Mfg. Co., James,  
30 Hanover .....A  
MASS.—Boston  
Harrison Supply Co., 82  
India Wf. (Steel Chilled)  
B  
MINN.—St. Paul  
Northwestern Shot & Lead  
Works .....AAAA  
MO.—St. Louis  
American Shot & Lead Co.  
(Lead) .....AAAA  
Collier Shot Tower Works,  
319 N. 4th (See Amer.  
Shot & Lead Co.).....AAAA  
N. J.—High Bridge  
Taylor Iron & Steel Co.  
(Armor Piercing; Shell)  
AAAA  
N. Y.—Buffalo  
Shepard & Co., Sidney  
AAAA  
N. Y.—Fishkill on Hudson  
Hammond, Benj. (Slug)..D  
New York City  
American Shot & Lead Co.,  
71 B'way .....AAAA  
Colwell Lead Co., 63 Centre  
(Buck; Lead; Chilled).AA  
Leroy Shot & Lead Works,  
261 Water (See Amer.  
Shot & Lead Co.).....AAAA  
Orford Copper Co., 74  
B'way (Copper; Lead;  
Nickel) .....AAA  
Tatham Bros., 82 Beek-  
man (See Amer. Shot &  
Lead Co.) .....AAAA  
OHIO—Cincinnati  
Sportsman's Shot Works,  
Cor. Court & Harriet (See  
Amer. Shot & Lead Co.)  
AAAA  
PA.—Philadelphia  
Sparks, Thos. W., 121 Wal-  
nut (See Am. S. & L. Co.)  
AAAA  
Tatham Bros. (See Amer  
Shot & Lead Co.).....AAAA  
Tilghman, B. C. & R. A.  
(Chilled Iron) .....B  
PA.—Pittsburg  
Bailey, Farrel Mfg. Co.,  
615 Smithfield .....AA  
VA.—Austinville  
Wythe Lead & Zinc Mine  
Co. (Buck) .....AA

**SHOTS**

ILL.—Chicago  
Nicol & Co. (Sling) .....D

**SHOVELS**

See also Machinery

COLO.—Denver  
Montgomery Machinery Co.,  
J. H. (Steam) .....C  
CONN.—Collinsville  
Collins Co. (Coal; Contrac-  
tors') .....AAAA  
CONN.—Southington  
Peck, Stow & Wilcox Co.  
(Fire; Stove) .....AAAA  
ILL.—Alton  
Beall Shovel Co. ....A  
ILL.—Bradley  
Bradley Mfg. Co., David  
(Cultivator) .....AAA  
ILL.—Canton  
Parlin & Orendorff Co.  
(Cultivator) .....AAAA  
ILL.—Carpentersville  
Star Mfg. Co. (Cultivator)  
A  
ILL.—Chicago  
Caldwell & Son Co., H. W.,  
Western Av. & 17th  
(Power; Grain) .....A  
Channon Co., H., Market  
& Randolph (Contrac-  
tors') .....AA  
Law Railway Equipment

**SHOVELS (Con.)**

Co., Western Union Bldg.  
(Steam; Second Hand).F  
Shaw, Willis, N. Y. Life  
Bldg. (Steam; Second  
Hand Steam) .....D  
Webster Mfg. Co. (Power;  
Grain) .....AA  
ILL.—Freeport  
Arcade Mfg. Co. (Ice)....A  
Stover Mfg. Co. (Stove).AA  
ILL.—Harvey  
Austin Mfg. Co., F. C.  
(Steam) .....AA  
ILL.—Havana  
Havana Metal Wheel Co.  
(Cultivator) .....A  
ILL.—Moline  
Moline Plow Co. (Cultiva-  
tor) .....AAAA  
ILL.—Rockford  
Weyburn Co. (Cultivator).B  
ILL.—Streator  
Iwan Bros. (Drain; Tilling)  
D  
IND.—Anderson  
Wright Shovel Co. (Hand  
Iron) .....B  
IND.—Montpelier  
Jackson Shovel & Tool Co.  
(Hand Iron) .....B  
IND.—New Castle  
Indiana Rolling Mill Co...A  
IND.—South Bend  
Sandage Steel Skein Co...X  
IND.—Terre Haute  
Terre Haute Shovel & Tool  
Co. (Coal; Coke Screen-  
ing; Contractors'; Drain;  
Irrigating; Lime; Lipped;  
Mining; Moulders'; Saw-  
dust; Round Point; Tele-  
graph Line; Railroad;  
Mining; Machine) .....A  
IND.—Vincennes  
Star Shovel & Range Co.  
(Furnace; Tilling; Collier;  
Ore; Iron Hand) .....B  
IOWA—Ft. Madison  
Morrison Mfg. Co. (Cultiva-  
tor) .....A  
KANS.—Leavenworth  
Grant Western Mfg. Co.  
(Automatic Power Grain)  
AA  
KY.—Louisville  
Avery & Sons, B. F. (Cul-  
tivator) .....AAA  
Louisville Shovel Co. ....C  
MASS.—Boston  
Ames Shovel & Tool Co.,  
Ames Bldg. (Iron Hand)  
AAAA  
Souther & Co., John  
(Steam) .....D  
MASS.—Cambridge  
Rawson & Morrison Mfg.  
Co. (Automatic Steam).B  
MASS.—Greenfield  
Rugg Mfg. Co. (Wood;  
Steel Snow) .....B  
MASS.—Northampton  
Maynard, C. A. ....X  
VTCH.—Albion  
Gale Mfg. Co. (Cultivator)  
AA  
MICH.—Charlotte  
Renton Mfg. Co. (Snow)...A  
MICH.—Detroit  
Ireland & Matthews Mfg.  
Co. (Stove) .....A  
Mitschum Co., M., Cham-  
ber of Commerce (Steam,  
Second Hand) .....C  
MICH.—Fenton  
Phillips Co., A. J. (Wood  
Snow) .....A  
MICH.—Kalamazoo  
Harrow Spring Co. (Culti-  
vator) .....B  
Merrill-Stevens Mfg. Co.  
(Steel Snow) .....D  
MICH.—Owosso  
Owosso Mfg. Co. (Wood  
Snow) .....A  
VTCH.—St. Johns  
Mason Co., F. C. (Culti-  
vator) .....C  
WINN.—Minneapolis  
Howell & Co., R. R. (Pow-  
er Grain) .....B  
Kilgore Machine Company  
(Steam Railway Trac-

**SHOVELS (Con.)**  
tion; Mining) .....X  
**MO.—St. Louis**  
St. Louis Shovel Co. (Coffee; Contractors'; Lime; Mine; Sawdust; Tamping; Railroad) .....B  
**N. H.—Exeter**  
Lane, G. W. & C. A. (Automatic Power Grain)..D  
**N. J.—Newark**  
Lambert Holsting Engine Co., 115-121 Poinier (Steam) .....C  
Sommer's Son, John (Malt Wood) .....B  
**N. Y.—Albany**  
Kampf, Stephen (Malt)...E  
Osgood Dredge Co., 37 State (Steam) .....A  
Troy Nickel Works (Stove) C  
**N. Y.—Brooklyn**  
New York Stamping Co. (Stove) .....A  
Sweeney Mfg. Co., W. H. (Fire) .....B  
**N. Y.—Buffalo**  
Howard Iron Wks. (Grain) AA  
Shepard & Co., Sidney (Stove) .....AAAA  
**N. Y.—Elion**  
Ross & Co., A. M. (Iron Hand; Snow) .....A  
**N. Y.—Lockport**  
Norman & Evans (Steam) B  
**New York City**  
Davies, Frank, 68 Broad (Steam) .....X  
Fairbanks Co., 416 Broome (Furnace; Tiling; Clay; Brick; Excavating; Irrigating; Mining; Molders'; Ore; Ox; Power Grain; Railroad; Tamping; Sewer) .....AAAA  
Floyd's Sons, Jas. R. (Coke Screening) .....A  
Graf, Frank H., 322 7th Av. (Fireplace) .....D  
Haiss Mfg. Co., 363 Rider Av. (Steam) .....D  
Iron Clad Mfg. Co., 3 Cliff (Stove) .....AAA  
Konnel, Arthur, 68 Broad (Steam) .....AA  
Lalanc & Grosjean Mfg. Co. (Fire) .....AAAA  
Leavitt Co., C. W., 15 Cortlandt (Steam) .....D  
Mead Mfg. Co., Jno. A., 11 B'way (Automatic Steam) AA  
Russell & Erwin Mfg. Co., 43 Chambers (Stove) AAAA  
Sargent & Co., 151 Leonard (Stove) .....AAAA  
**N. Y.—Oswego**  
Kingsford Fdy. & Machine Wks. (Steam) .....AAAA  
**N. Y.—Troy**  
Troy Stamping Wks. (Contractors'; Fire) .....AAAA  
**N. Y.—West New Brighton**  
Hunt Co., C. W. (Automatic Steam) .....AA  
**OHIO—Akron**  
Akron Machine Co. (Cultivator) .....C  
Whitman & Barnes Mfg. Co. (Cultivator) .....AAAA  
**OHIO—Ashtabula**  
Rondberg & Co. ....X  
**OHIO—Bellevue**  
Ohio Cultivator Co. (Cultivator) .....AA  
**OHIO—Canton**  
Kohler & Co., F. E. (Fire; Snow; Steel Snow; Furnace) .....C  
Nev Mfg. Co. (Tiling)...B  
**OHIO—Cincinnati**  
Males Co., Aetna Bldg. (Steam. Second Hand)...F  
Obermayer Co., S. (Lipped. Molders') .....A  
**OHIO—Cleveland**  
Avery Stamping Co. (Steel; Snow; Furnace; Boys'; Tiling; Pole Hole; Brass;

**SHOVELS (Con.)**  
Bronze; Brick; Clay; Collier; Excavating; Irrigation; Mining; Ore; Railroad Tamping; Sewer; Special; Tunnel) .....B  
Chisholm & Sons, Wm., 358 Case Av. (Iron Hand)..AA  
Osborn Mfg. Co., 16 S. Water (Molders') .....A  
**OHIO—Columbus**  
Kilbourne & Jacobs Mfg. Co. (Ox) .....AA  
**OHIO—Dayton**  
Dayton Malleable Iron Co. (Passenger Coach Fire) AA  
**OHIO—Lorain**  
American Shovel & Stamping Co. (Iron Hand; Snow, &c.) .....B  
Thew Automatic Shovel Co. (Automatic Steam) ..AA  
**OHIO—Marion**  
Fairbank's Steam Shovel Co. (Steam) .....B  
Marion Steam Shovel Co. (Steam) .....AA  
**OHIO—Piqua**  
Wood Shovel & Tool Co. (Iron Hand) .....B  
**OHIO—Salem**  
Clark Co., W. J. (Fire; Steel Garden; Stove)....A  
**OHIO—Toledo**  
Ohio Steam Shovel Co. (Steam) .....D  
Toledo Fdy. & Machine Co., 203-218 Cherry (Steam) B  
Union Mfg. Co. (Snow)...X  
Vulcan Iron Works Co. (Steam) .....A  
**OHIO—Youngstown**  
Pollock Co., Wm. B. (Ore) AA  
**PA.—Beaver Falls**  
Meyers Co., H. M. (Iron Hand) .....AA  
**PA.—Corry**  
Penn Shovel Co. (Iron Hand) .....C  
**PA.—Johnstown**  
Cambria Fdy. & Machine Co. (Iron Hand) .....B  
Cambria Steel Co. (Cultivator) .....AAAA  
**PA.—Morrell**  
Union Furnace Mfg. Co. (Iron Hand) .....D  
**PA.—Mifflinsburg**  
Albright & Sons, Jas. H. (Cultivator) .....D  
**PA.—Mt. Pleasant**  
Mt. Pleasant Tool Co. (Furnace Tiling; Pole Hole; Collier; Lime; Mining; Molders') .....B  
**PA.—Philadelphia**  
Allen & Co., S. L., 1017 Market (Cultivator)...AA  
Griffiths Co., Geo., 515 Locust (Iron Hand) .....A  
Pfeifer & Co. (Ltd.), Jno., 226 Race (Asphalt) ....A  
Rowland, Maxwell & Co. (Inc.), 432 Market.....A  
Standard Supply & Equipment Co., 1710 Market (Steam) .....D  
**PA.—Pittsburg**  
Carlin Co., W. J., 25th & Av. R. R. (Steam)....A  
Hubbard & Co., Murtland Bldg. (Mining Machine) A  
Hussey, Binns & Co. (Ltd.), 541 Wood (Contractors'; Steel Garden; Mining; Railroad) .....AA  
Klein, Logan & Co. (Iron Hand; Fire Place) ....A  
Low & Co., Edgar S., Empire Bldg. (Steam, Second Hand) .....D  
Patton & Co., J. R., (Steam, Second Hand) .....D  
Pittsburg Shovel Co., Frick Bldg. (Iron Hand) .....B  
Russell Shovel Co., J. C. (Iron Hand) .....B  
**PA.—Wyoming**  
Wyoming Shovel Co. (Iron



## SHOVELS (Con.)

Hand) .....A  
PA.—York  
Hench & Dromgold Co. (Cultivator) .....A  
VA.—Norfolk  
White & Bro., S. R. (Cultivator) .....A  
W. VA.—Wheeling  
Laughlin Nail Co. (Iron Hand) .....AA  
Wheeling Hinge Co. (Fire) .....AA

WIS.—Fort Atkinson  
Hager, E. ....D  
WIS.—Madison  
Fuller & Johnson Mfg. Co. (Cultivator) .....AA  
WIS.—Oshkosh  
Jones, J. R. (Iron Hand).H  
WIS.—South Milwaukee  
Bucyrus Co. (Steam) ....B

## SHOW CASES

See Cases: Show

## SHOWERS

See also Baths

New York City  
Trageser Steam Copper  
Wks., John (Copper)....B  
PA.—Pittsburg  
Standard Mfg. Co. (Brass) .....AA

## SHREDDERS

See also Agricultural Implements

ILL.—Batavia  
Appleton Mfg. Co. (Corn) .....A

ILL.—Harvard  
Hunt, Helm, Ferris & Co. (Corn) .....AA

ILL.—Sterling  
Keystone Co. ....AA  
IND.—New Castle  
Safety Shredder Co. (Corn) .....A

MICH.—Ann Arbor  
Ann Arbor Machine Co. (Fodder) .....E

MICH.—Battle Creek  
Advance Thresher Company (Corn) .....AAAA

MICH.—Monroe  
Wilder-Strong Implement Co. (Fodder) .....B

N. J.—Newark  
National Saw Co. (Vegetable) .....B

New York City  
Newell Mfg. Co., 149 B'way .....D

OHIO.—Lancaster  
Eagle Machine Co. (Fodder) .....A

Hocking Valley Mfg. Co. ....A

OHIO.—Salem  
Silver Mfg. Co. (Dry Fodder) .....AA

PA.—Philadelphia  
Disston & Sons, Henry (Vegetable) .....AAAA

VT.—St. Albans  
St. Albans Fdy. & Implement Co. ....D

VT.—Wallingford  
Wallingford Mfg. Company (Corn) .....X

WIS.—Marinette  
Stevens Co., A. W. (Corn) .....AA

WIS.—Milwaukee  
Milwaukee Hay Tool Co. (Corn) .....A

## SHRIMP

See Canned Goods

## SHRINKERS

ILL.—Carpentersville  
Illinois Iron & Bolt Co. (Tire) .....AA

ILL.—Rockford  
Weyburn Co. (Tire) .....C

## SHRINKERS (Con.)

IND.—South Bend  
Sandage Steel Skein Co. (Tire) .....X  
MASS.—Greenfield  
Wiley & Russell Mfg. Co. (Tire) .....AA  
Worcester  
Boynnton & Plumber (Tire) .....B  
PA.—Lancaster  
Champion Blower & Forge Co. (Tire) .....AA

## SHUTES

See Chutes

## SHUTTERS

See also Woodwork

ILL.—Chicago  
Barbee Wire & Iron Works (Steel) .....B

Braumoeller & Son, Henry (Iron) .....B  
Dodge & Co., H. B., 108 La Salle (Steel & Wood Rolling) .....D

Smith Wire & Iron Co., F. P., 100 Lake (Steel; Iron) .....AA

Variety Mfg. Co., 77 W. Lake (Steel Rolling) ...D

IND.—Evansville  
Mesker & Co., George L. (Steel; also Iron Door) .....AA

IND.—Indianapolis  
Indianapolis Steel Roofing & Corrugating Co. (Steel) .....A

IOWA.—Des Moines  
Steel Roofing & Stamping Works (Steel) .....C

MICH.—Detroit  
Amos & Co., Charles (Steel) .....F

Barnum Wire & Iron Wks., E. T. (Steel) .....B

Bolles Iron & Wire Wks., J. E. (Iron) .....X  
Vulcan Co. (Steel) .....E

OH.—Kalamazoo  
Michigan Photo. Shutter Co. (Photographic) ...H

MINN.—St. Paul  
Perkins Mfg. Co., 1121 E. 7th (Steel) .....D

MO.—Kansas City  
Swearingen Mfg. Co. (Steel; Automatic Steel Rolling) .....X

MO.—St. Louis  
Christopher & Simpson Architectural Iron & Fdy. Co. (Iron) .....AA

N. H.—Milford  
Pierce & Co., W. E. (Wood Rolling) .....D

N. J.—Boonton  
Lincoln Iron Wks. (Iron) .....B

N. J.—Newark  
Plumb, D. S. (Photographic) .....D

N. Y.—Binghamton  
Roberson & Son, A. (Wooden) .....AA

N. Y.—Buffalo  
Churchyard, Joseph J. (Sliding) .....X

New York City  
Cornell Co., J. B. & J. M. (Iron, Rolling) .....AA

Dimond, Thomas (Iron Rolling) .....A

Fiske Iron Works, J. W. (Iron) .....B

Moseley Iron Bridge & Roof Co., 39 Cortlandt (Steel; Iron) .....B

Prosch Mfg. Co. (Photographic) .....F

Westervelt Co., A. B. & W. T. (Iron) .....B

Wilson Mfg. Co., Jas. G., 3 W. 29th (Steel; Iron; Wooden Rolling) .....A

N. Y.—Poughkeepsie  
Lane Bros. Co. (Automatic Fire) .....A

**SHUTTERS (Con.)**

**N. Y.—Rochester**  
 Bausch & Lomb Optical Co.  
 (Photographic) ....AAA  
 Siddons Co., John (Steel) B

**OHIO—Cambridge**  
 Cambridge Roofing Co.  
 (Steel) .....B

**OHIO—Canton**  
 Berger Mfg. Co. (Steel;  
 Iron) .....AA  
 Canton Steel Roofing Co.  
 (Steel) .....A  
 Eller & Co., J. H. (Steel) A

**OHIO—Cincinnati**  
 Schreiber & Sons, L., 8th &  
 Eggleston Av. (Steel) .AA

**OHIO—Cleveland**  
 Garry Iron & Steel  
 Co. (Iron) .....A  
 Van Dorn Iron Works Co.  
 (Iron) .....AA

**OHIO—Columbus**  
 Columbus Steel Rolling  
 Shutter Co. (Steel Roll-  
 ing) .....D  
 Kinnear Mfg. Co. (Steel;  
 Steel Rolling) .....AA

**OHIO—Forest**  
 Dickelman Mfg. Co. (Steel) A

**OHIO—Kenton**  
 Champion Iron Co. (Iron) AA

**OHIO—Middletown**  
 American Steel Roofing Co.  
 (Steel) .....AA

**OHIO—Niles**  
 Sykes Metal Lath & Roof-  
 ing Co. (Steel) .....B

**OHIO—Youngstown**  
 Youngstown Iron & Steel  
 Roofing Co. (Steel) .AA

**PA.—Philadelphia**  
 Darby & Sons, Edward  
 (Iron) .....AA  
 Gara, McGinley & Co., 23  
 S. 17th (Steel) .....A  
 Merritt & Co., 1024 Ridge  
 Av. (Steel) .....B  
 Pennsylvania Metal Ceiling  
 & Roofing Co. (Ltd.)  
 (Steel) .....B

**R. I.—Providence**  
 Clason Architectural Metal  
 Works (Inc.), 428 Kings-  
 ley Av. (Steel) .....C

**TENN.—Chattanooga**  
 Chattanooga Roofing & Fdy.  
 Co. (Iron) .....A

**WIS.—Milwaukee**  
 Willer Mfg. Co. (Wooden) A

**SHUTTLES**

**CONN.—Chester**  
 Bates, C. J. (Bone Tatting) D

**CONN.—Hartford**  
 Billings & Spencer Co.  
 (Sewing Machine) ...AA

**MASS.—Lawrence**  
 Sprague Co., L. ....AAAA  
 Union Shuttle Co. ....D

**MASS.—Lowell**  
 Lowell Shuttle Co. ....X  
 New England Shuttle Co.,  
 64 Leverett .....X

**MASS.—New Bedford**  
 New Bedford Shuttle Co. .B

**MASS.—Southbridge**  
 Litchfield Shuttle Co. .B

**MASS.—Wilkinsonville**  
 Dudley & Son Co., D. F. X  
 N. H.—Nashua

Murray, Chas. O. ....X  
 N. J.—Paterson

Hall & Co., I. A. ....A  
 Ulrich & Co. ....C

**New York City**  
 Domestic Sewing Machine  
 Co. (Sewing Machine) .X  
 Household Sewing Machine  
 Co. (Sewing Machine) .B

Kruse & Murphy Mfg. Co.  
 (Sewing Machine) ....D  
 New Home Sewing Machine  
 Co. (Sewing Machine) AAAA

Singer Mfg. Co. (Sewing  
 Machine) .....AAAA

**SHUTTLES (Con.)**

**N. Y.—Utica**  
 Williams Co., J. H. ....A  
 N. C.—Lincolnton  
 Grigg Mfg. Co. ....F

**OHIO—Cleveland**  
 Standard Sewing Machine  
 Co. (Sewing Machine) AAA

**PA.—Philadelphia**  
 Billington Co., H. ....A  
 Sergeson Co., R., 1704 Tu-  
 lip (Loom) .....D

**R. I.—Providence**  
 American Supply Co. ....AA  
 U. S. Bobbin & Shuttle Co. AAAA

**R. I.—Woonsocket**  
 Coburn, Fred S. ....X  
 Woonsocket Reed & Shuttle  
 Works .....E

Woonsocket Shuttle Co. ....X  
 S. C.—Westminster  
 Southern Shuttle & Bobbin  
 Co. ....B

**SICKLES**

See also Scythes

**ILL.—Peoria**  
 Herschel Mfg. Co., R.  
 (Mower; Reaper) .....A

**N. Y.—Auburn**  
 Henry & Allen (Mower;  
 Reaper) .....A

**New York City**  
 American Axe & Tool Co.,  
 253 B'way .....AAAA

**OHIO—Akron**  
 Whitman & Barnes Mfg.  
 Co. (Mower; Reaper) AAAA

**SIDEWALKS**

**MASS.—Boston**  
 Mathews Consolidated Slate  
 Co. (Slate) .....X

**MO.—Kansas City**  
 Kansas City Cement Side-  
 walk Co. (Cement) ...E

**N. Y.—Brooklyn**  
 American Metal Ceiling Co.,  
 215 Montague (Steel) .F  
 Brooklyn Metal Ceiling Co.  
 (Steel) .....C

Lyles & Mills Metal Ceiling  
 Co. (Steel) .....F

**New York City**  
 New York Metal Ceiling  
 Co., 537 W. 24th (Steel) B

**OHIO—Canton**  
 Berger Mfg. Co. (Steel) .AA

**VT.—Poultney**  
 Fleming Slate Co. (Slate) .C

**SIDEBOARDS**

See Furniture

**SIDES**

See also Woodwork: Car-  
 riage

**New York City**  
 Hopkins Co. (Wagon) ....C

**OHIO—Cleveland**  
 Standard Tool Co. (Fork;  
 Bicycle) .....AA

**SIDING**

See also Roofing; Iron;  
 Steel, etc.

**LA.—Lake Charles**  
 Bradley-Ramsay Lumber Co.  
 (Car) .....AAAA

**MICH.—Saginaw**  
 Mershon & Co., Wm. B.  
 (Car) .....A

**MO.—St. Louis**  
 Harry Steel Works, O. K.  
 (Brick Face; Rock Face) B

**N. Y.—Buffalo**  
 Churchyard Jos. J. ....X  
**New York City**  
 Sjöberg & Co., J. P. (Car) D

Wheeling Corrugating Co.  
 (Metallic; Brick Steel;  
 Stone; Tin) .....AAAA

**SIDING (Con.)**

**OHIO**—Canton  
Canton Steel Roofing Co.  
(Metallic) .....A  
**OHIO**—Cincinnati  
Hyndman Steel Roofing Co.  
(Metallic) .....C  
**OHIO**—Cleveland  
Garry Iron & Steel Co.  
(Metallic) .....A  
**OHIO**—Toledo  
Smith Co., W. H. H. (Car) .....B  
**PA.**—Philadelphia  
Cortright Metal Roofing Co. ....B

**SIENNA**

See also Colors

**PA.**—Easton  
Williams & Co., C. K. ....A

**SIEVES**

See Riddles

**SIFTERS**

**CONN.**—Georgetown  
Gilbert & Bennett Mfg. Co.  
(Ash; Flour; Coal; Drug-  
gists') .....AAA  
**ILL.**—Chicago  
Aitchison Perforated Metal  
Co., 303 Dearborn .....X  
Barbee Wire & Iron Wks.  
(Ash) .....B  
Harrington & King Perfo-  
rating Co., 224 N. Union  
(Sand) .....A  
**ILL.**—Harvey  
Whiting Foundry Equip-  
ment Co. (Rotary; Sand) .....AA

**ILL.**—Rockford  
Clark Mfg. Co., J. L.  
(Flour) .....D

**IND.**—Indianapolis  
Nurdyke & Marmon Co.  
(Flour) .....AAA

**IND.**—Mishawaka  
Dodge Mfg. Co. (Sand) .....AAA

**IND.**—Richmond  
Richmond City Mill Works  
(Flour) .....B

**KANS.**—Coffeyville  
Pioneer Flint Glass Co.  
(Glass; Sugar) .....C

**MASS.**—Amherst  
Allen, L. H. (Ash) .....C

**MASS.**—Bridgewater  
Perkins Co., Henry (Sand) .....B

**MASS.**—Cambridge  
Barbour-Stockwell Company  
(Sand) .....A

**MASS.**—Worcester  
Hill Dryer Co. (Ash) .....D  
National Mfg. Co. (Ash;  
Flour; Coffee) .....A

Parker Wire Goods Co.  
(Flour) .....D  
Wire Goods Co. (Flour) .....A

Wright Wire Co. (Ash) .....AA  
**MICH.**—Detroit  
Byram & Co. (Sand) .....D

Colton, Arthur (Pharma-  
ceutical) .....C  
Northern Engineering Wks.  
(Sand) .....A

**MINN.**—Minneapolis  
Schutz-O'Neill Co. (Gyrator) .....C

**MO.**—St. Louis  
Ludlow-Saylor Wire Co.  
(Sand; Ash; Flour) .....AA

**N. J.**—Newark  
Gould & Eberhardt (Sand) .....A

**N. J.**—Trenton  
Crossley Mfg. Co. (Clay) .....B

**N. Y.**—Brooklyn  
Ross & Son, Chas. (Coffee) .....D

**N. Y.**—Buffalo  
Buffalo Wire Works Co. ....D  
Noye Mfg. Co. (Mill) .....X

Shepard & Co., Sidney (Ash;  
Flour) .....AAAA

Western Wire Goods Co.  
(Flour) .....D

**SIFTERS (Con.)**

**N. Y.**—Cortland  
Wickwire Bros. (Flour;  
Coal; Ash) .....AAAA  
New York City  
Burns & Sons, Jabex (Cof-  
fee) .....B  
Estey Wire Works Co., 59  
Fulton (Flour) .....D  
Howard & Morse, 45 Fulton  
(Druggists') .....D  
Lalanc & Grosjean Mfg. Co.  
19 Cliff (Flour) .....AAAA  
Mundt & Sons, Chas., 441  
Pearl (Sand) .....B  
Niles-Bement-Pond Co., 111  
Broadway (Sand) .....AAAA  
**N. Y.**—Troy  
Troy Stamping Works (Ash) .....AAAA

**OHIO**—Cincinnati  
Bromwell Brush & Wire  
Goods Co. (Ash) .....AA  
Day Co., J. H. (Flour) .....A  
Forest City Steel & Iron  
Co. ....A  
Obermeyer Co., S., 647  
Evans (Sand) .....AA

**OHIO**—Cleveland  
Osborn Mfg. Co., 1331 Ham-  
ilton .....B  
Smith Foundry Supply Co.,  
J. D., 40 S. Water .....D  
Tyler Co., W. S. (Ash) .....AAAA

**OHIO**—Hamilton  
Meyers Mfg. Co., F. J.  
(Ash; Flour; Coal; Found-  
ry) .....B

**PA.**—Muncy  
Sprout, Waldron & Co.  
(Flour) .....A

**PA.**—Philadelphia  
Darby & Sons, E., 233 Arch  
(Ash; Flour) .....A  
Paxson Co., J. W. (Sand) .....AA

**R. I.**—Providence  
Towel, Rack & Novelty Co.  
(Ash; Automatic) .....F

**SIGHTS**

**CONN.**—Hartford  
Colts Patent Fire Arms  
Mfg. Co. (Firearm) .....AAAA

**CONN.**—Middletown  
Lyman Gun Sight Corpora-  
tion (Firearm) .....A

**CONN.**—New Haven  
Marlin Fire Arms Co. (Fire-  
arm) .....AA

Winchester Repeating Arms  
Co. (Firearm) .....AAAA

**MASS.**—Chicopee Falls  
Stevens Arms & Tool Co.,  
J. (Firearm; Gun; Rifle) .....AAA

**N. Y.**—Ilion  
Remington Arms Co. (Fire-  
arm) .....AAAA

**N. Y.**—Utica  
Savage Arms Co. (Firearm) .....A

**SIGNALS**

**COLO.**—Denver  
Flint-Lomax Electric &  
Mfg. Co. (Electric Mine) .....B

**ILL.**—Chicago  
Adams & Westlake Co., On-  
tario, cor. N. Franklin  
(Telegraph Train Order) .....AAAA

Burdett-Rountree Mfg. Co.,  
78 W. Jackson Bouf. (Elev-  
ator) .....B

Elevator Supply & Repair  
Co., 84 W. Monroe (Elev-  
ator) .....B

Miller Signal Co., Monad-  
nock Bldg. (Railway Cross-  
ing) .....D

Porter & Berg, 309 Dear-  
born (Electric Railway) .....D

Rowell-Potter Safety Stop  
Co., Rookery Bldg. (Auto-  
matic; Interlocking Sys-  
tem) .....D

**ILL.**—Peoria  
Acme Railway Signal &

**SIGNALS (Con.)**

Mfg. Co. (Railway Crossing) .....E  
**MD.—Baltimore**  
 Baltimore Enamel & Novelty Co., cor. Allen & Clement (Enamelled Steel; Railway Crossing) ....E  
**MASS.—West Newton**  
 United States Electric Signal Co. (Automatic Electric Railway) .....D  
**MICH.—Birmingham**  
 Willson Railway Gate Co. (Electric Railway; Railway Crossing) .....F  
**MICH.—Jackson**  
 Parish Bros. (Block System for Electric Railroads; Railway Crossing) .....H  
**MO.—St. Louis**  
 Handlan-Buck Mfg. Co., 212 N. 3rd (Railway Crossing) .....AA  
**N. Y.—Hillburn**  
 Ramapo Iron Wks. (Railway Crossing; Switch; Automatic) .....AAA  
**New York City**  
 American Flag Co. (Code) .....A  
 Boyle & Co., John (Code) .....AA  
 Detwiler & Street Fireworks Mfg. Co. (Railway Fog) .....A  
 Hall Signal Co., 25 Broad (Electric Railway; Railway Crossing; Automatic) .....A  
 Herzog Teleseme Co., 51 W. 24th (Elevator) ....D  
 Jordan Bros., 74 Beekman (Electric Railway) ....D  
 Koster Co., C. H. (Code) .D  
**OHIO—Cincinnati**  
 Vanduzen Co., E. W. (Fog) .....B  
 Weir Frog Co., cor. Front & Smith (Electric Railway) .....A  
**OHIO—Dayton**  
 Barney & Smith Car Co. (Switch; Train Order; Railway) .....AAAA  
**PA.—Allentown**  
 Allentown Rolling Mills (Block System; Interlocking System; Railway Crossing; Switch; Automatic; Mechanical; Junction; Station) .....AAA  
**PA.—Coatesville**  
 Taitte Railway Signal Co. (Railway Crossing) ...B  
**PA.—Pittsburg**  
 Pittsburg Electrical & Machine Wks. (Mine; Electric) .....E  
 Union Switch & Signal Co. (Railway) .....AAAA  
 Westinghouse Electric & Mfg. Co. (Electric Railway) .....AAAA  
**PA.—Scranton**  
 Everhart Brass Wks. (Mine; Pneumatic) .....A  
**PA.—Steelton**  
 Penna. Steel Co. (Railway Crossing; Switch) .AAAA  
**PA.—Swissvale**  
 Union Switch & Signal Co. (Block System; Electric Railway; Interlocking System; Pneumatic; Railway Crossing; Switch; Automatic Mechanical; Junction) .....AAAA

**SIGNS**

For Electric Signs, see also  
 Flashers

**COLO.—Denver**  
 Denver Novelty Work Mfg. Co. (Brass) .....D  
**CONN.—South Norwalk**  
 McKibbin Mfg. Co., G. N. (Glass) .....B  
**ILL.—Chicago**  
 Barbee Wire & Iron Wks. (Glass; Wire) .....B

**SIGNS (Con.)**

Gunning System (Enameled Iron) .....AAA  
 Marx Zero Sign Works (Enameled Iron Drug) ..E  
 Meyercord Co., Chamber of Commerce Bldg. (Window Transparency) .....A  
 Rawson & Evans, 151 W. Washn. (Glass) .....C  
 Sues Ornamental Glass Co., 54 N. Clinton (Glass) ..D  
 Tweed & Rau Co., 208 W. Madison (Glass) .....F  
 Western Sand Blast Co., cor. W. Jackson Boul. & S. Clinton (Glass) ...C  
 Winslow Bros. Co., 368 Carroll Av. (Bronze; also Brass & Iron) .....AA  
**ILL.—Joliet**  
 Adams, W. J. (Wire) ....D  
**IND.—Connersville**  
 Roots & Heineman (Enameled Iron) .....A  
**IND.—Kokomo**  
 Kokomo Fence Machine Co. (Wire) .....AAA  
**KY.—Louisville**  
 Dow Wire Works Co. (Wire) .....D  
**MD.—Baltimore**  
 Baltimore Enamel & Novelty Co., cor. Allen & Clement (Enameled Iron Station) .....B  
 Dorman Co., J. F. W. (Metal) .....F  
**MASS.—Waltham**  
 O'Hara Waltham Dial Co. (Enameled) .....C  
**MICH.—Detroit**  
 Barnum Wire & Iron Wks., E. T. (Wire) .....B  
 Bolles Iron & Wire Works, J. E. (Wire) .....X  
**MICH.—Grand Rapids**  
 Leonard Mfg. Co. (Porcelain) .....X  
**MO.—St. Louis**  
 Ludlow-Saylor Wire Co. (Wire) .....AA  
 Sentenne & Green (Enameled Iron) .....A  
**N. J.—Newark**  
 Electric Motor & Equipment Co., 13 Beaver (Electrically Illuminated) ....C  
**N. Y.—Brooklyn**  
 Union Porcelain Works (Porcelain) .....B  
**N. Y.—Buffalo**  
 Buffalo Last Works (Boot; Shoe) .....B  
 Buffalo Wire Works Co. (Wire) .....A  
**New York City**  
 Ashury Glass Sign Co., 43 John (Glass) .....F  
 Beck & Co., F. (Advertising) .....A  
 Caesar Bros., 112 Fulton (Enameled Iron; Glass; Advertising) .....D  
 Denzi & Phillips, 24 Dey (Glass; Advertising) ...C  
 Dorr, Wallie, 16 Reads (Enameled) .....E  
 Frink, I. P. (Illuminated) .....AA  
 Gleason Mfg. Co., E. P. (Illuminated) .....B  
 Gude Co., O. J. (Advertising) .....B  
 Herrlein & Henrich, 90 Hudson (Glass) .....D  
 Howard & Morse (Advertising) .....D  
 Hughes, Thomas, 51 E. 9th (Illuminating) .....D  
 Jackson Co., Wm. H., 29 E. 17th (Bronze) .....A  
 Jones & Co., Trevor F., 374 W. B'way (Bronze; also Silver; Metal) .....X  
 Kaufman & Strauss Co. (Tin) .....A  
 Mansfield & Co., 158 Chambers (Glass) .....F  
 Morris Electric Co., 15 Cortlandt (Car) .....D  
 Russell & Co., J. W. (Aluminum; Brass; Glass) ...E

**SIGNS (Con.)**  
 Spencer Optical Co.  
 (Watch; Spectacle) ....C  
 Stafford, Nelson (Brass;  
 Metal; Copper; Oxidized) F  
 Universal Electric Stage  
 Lighting Co. (Illumi-  
 nated) .....D  
 Upham & Co., Henry H.  
 (Brass) .....C  
 Washburn & Co., E. G.  
 (Emblematic; Watch;  
 Spectacle) .....E  
**OHIO—Akron**  
 Enterprise Mfg. Co. (Ad-  
 vertising; Luminous) ...A  
**OHIO—Cincinnati**  
 Hunter Illuminated Car  
 Sign Co. (Car) .....D  
 National Enameling Co.  
 (Enameled) .....C  
**PA.—Beaver Falls**  
 Ingram & Richardson Mfg.  
 Co. (Enameled Iron)....D  
**PA.—Bethlehem**  
 Strock & Co., L. W. (Met-  
 al) .....D  
**PA.—Ellwood City**  
 Glen Mfg. Co. (Sheet Met-  
 al; Wire) .....C  
**PA.—Philadelphia**  
 Brill Co., J. G., 62d &  
 Woodland (Reversible  
 Car) .....AAAA  
 Darby & Sons, Edward  
 (Wrought Iron; Ornamen-  
 tal; Wire) .....A  
 Gaumer Co., John L. ....C  
 Merritt & Co., 1024 Ridge  
 Av. (Illuminating) ....B  
**WIS.—Milwaukee**  
 American Sign Co., 51 Erie  
 (Adv. of Cloth; Oil Cloth;  
 Parchment Fibre; Paraf-  
 ined Card Board) .....A

## SILESIA

See also Cotton Goods

## SILEX

**N. J.—Lincoln**  
 Atlas Mineral & Machine  
 Co. ....D  
**N. Y.—Brooklyn**  
 Wiarda & Co., John C.  
 (Ground) .....AA  
**New York City**  
 Pettit Chemical Company  
 (Ground) .....B  
 Salomon & Bros., L. A.,  
 216 Pearl .....AA  
**OHIO—Piqua**  
 Ohio Marble Co. ....D  
**PA.—Philadelphia**  
 Nevins Co., Samuel, 109 S.  
 2d. ....D  
 Paxson C., J. W. (Ground)  
 AA

## SILICA

**ILL.—Chicago**  
 United States Silica Co. ...B  
**ILL.—Danville**  
 Western Silica Co. (Glass)  
 B  
**MICH.—Battle Creek**  
 Silver Star Mfg. Co. ....C  
**OHIO—Cleveland**  
 Grasselli Chemical Co. ....AAAA

## SILICO

**New York City**  
 Dana & Co., 32 Broadway  
 (Spiegel) .....A  
 Leavitt & Co., C. W., 15  
 Cortlandt (Spiegel)....D

## SILICON

**ALA.—Birmingham**  
 Tennessee Coal, Iron &  
 Railroad Co. (Ferro)  
 AAAA  
**New York City**  
 Roessler & Hasslacher  
 Chemical Co., 100 Will-  
 iam (Ferro) .....AA  
**N. Y.—Niagara Falls**  
 Carborundum Co. (Carbide

**SILICON (Con.)**  
 of) .....A  
**PA.—Pittsburg**  
 Carnegie Steel Co. (Ferro)  
 AAAA  
 Hooker & Co., H. M. (Fer-  
 ro) .....C

## SILK

See also Silk Goods: Thread

**Cal.—San Francisco**  
 Carlson-Currier Co., 6 Sutter  
 (Embroidery) .....B  
**MASS.—Athol**  
 Adams, D. E. (Twist; Em-  
 broidery; Floss) .....B  
**MASS.—Canton**  
 Eureka Silk Mfg. Co. (Em-  
 broidery; Floss; Twist) .A  
**MICH.—Belding**  
 Richardson Silk Co. (Em-  
 broidery; Twist, &c.) ..A  
**New York City**  
 Beolchi, V. M. (Raw)....C  
 China & Japan Trading Co.  
 (Raw) .....AAAA  
 Doherty & Wadsworth  
 (Raw) .....AA  
 Eurasia Silk Importing Co.  
 (Raw) .....X  
 Fraser & Co. (Raw).....X  
 Gerll & Co. (Raw) .....A  
 Guerin, Vve & Fils (Raw)  
 AAAA  
 Guichard & Co., A. (Raw)  
 C  
 Hadden & Co. (Raw)....AAAA  
 Hanszen, Herman J. (Raw)  
 X  
 Jardine, Matheson & Co.  
 (Raw) .....AAAA  
 Meyer & Co., Oscar B.  
 (Raw) .....X  
 Morimura & Co., Arai  
 (Raw) .....AAAA  
 Murray, Russell & Co.  
 (Raw) .....B  
 O'Donoghue & Co. (Raw) .D  
 Paladini & Co., E. (Raw)  
 A  
 Reimers & Co., Otto (Raw)  
 A  
 Rosenthal & Co., A. S.  
 (Imp. China & Japan) .A  
 Seabury & Johnson, 59  
 Maiden Lane (Oiled) .AA  
 Takal & Co. (Raw) .....A  
 Takata & Co. (Raw) .....B  
 Vivanti Bros. (Raw) ....AA  
 Walker & Co. (Raw) ....F  
 Woodhouse & Bopp (Com.)  
 A  
**PA.—Lansdowne**  
 General Artificial Silk Co.  
 (Artificial) .....B  
**PA.—Philadelphia**  
 Wright, W. P., 1514 N.  
 Marvine (Oiled) .....B

## SILK GOODS

**CONN.—Bridgeport**  
 Salts' Textile Mfg. Co.,  
 The (Seal; Upholstery)  
 A  
 Macfarlane, Jos. S. (Tram;  
 Twist) .....D  
**CONN.—New London**  
 Brainerd & Armstrong Co.  
 (Tailors' Silk Fabrics;  
 Satins, etc.) .....AAA  
**CONN.—Putnam**  
 Hammond, Knowlton & Co.  
 (Dress) .....B  
**CONN.—Shelton**  
 Specialty Weaving Co.  
 (Ribbons) .....AA  
**CONN.—South Manchester**  
 Cheney Bros. (Silk; Satin  
 Plushes; Velvets; Printed  
 Silk Pongees; Ribbons;  
 Fabric) .....AAAA  
**CONN.—Turnerville**  
 Turner & Co., P. W.  
 (Ribbons) .....O  
**CONN.—Warehouse Point**  
 Warehouse Point Silk Co.  
 (Art Silk) .....A  
**CONN.—Watertown**  
 Hemmway & Bartlett Silk  
 Co. (Embroidery) .....O

# **SILK GOODS (Con.)**

**CONN.—Winsted**  
 Winsted Silk Co. (Knitting;  
 Twist; Embroidery) ....A  
**DEL.—Dover**  
 Post & Sheldon Silk Co.  
 (Broad Goods) .....B  
**ILL.—Chicago**  
 Baum & Co., C. F., 220  
 Madison (Dress; Cloak;  
 Millinery Trimmings)....C  
**MD.—Ilchester**  
 Thistle Mills Co. (Plain;  
 Fancy) .....B  
**MASS.—Fitchburg**  
 Cornforth & Marx (Dress;  
 Tie) .....B  
**MASS.—Florence**  
 Nonotuck Silk Co. (Em-  
 broidery; Twist, etc)  
 AAA  
**MASS.—Holyoke**  
 Goetz Silk Mfg. Co. (Lin-  
 ings; Serges) .....C  
 Skinner Mfg. Co., Wm....AA  
**MASS.—Northampton**  
 Belding Bros. & Co. (Sat-  
 ins; Serges; Sewing;  
 Knitting) .....AAAA  
**MASS.—Worcester**  
 Thayer Mfg. Co., L. D.  
 (Ribbons) .....C  
**N. J.—Bloomfield**  
 Underhill, Wm. K. (Dress  
 Goods) .....B  
**N. J.—Carlstadt**  
 Sharg Bros. (Dress Goods)  
 D  
**N. J.—Hackensack**  
 Ashby & Shaw Silk Co.  
 (Organzine) .....B  
**N. J.—Hoboken**  
 Balas, Freres (Ribbons)..D  
 Hoboken Ribbon Co.  
 (Ribbons) .....D  
**N. J.—Jersey City**  
 Phalanx Silk Mill (Dress  
 Goods) .....A  
 Schaefer, L. B. (Dress  
 Goods) .....D  
 Sohn's Sons, C. (Dress;  
 Tie; Corset; Vestings;  
 Shoe; Button) .....A  
**N. J.—Midland Park**  
 De Gray & Co. (Dress; Tie)  
 E  
**N. J.—Newton**  
 Valentine & Bentley Silk  
 Co. (Dress Goods) .....B  
**N. J.—Paterson**  
 Altschuler Bros. (Satins;  
 Taffetas) .....D  
 Anderson Bros. (Dress;  
 Tie) .....B  
 Appel Bros. Mfg Co. (Tie;  
 Silk) .....B  
 Aronson, Sam'l J. (Dress;  
 Tie) .....B  
 Ashley & Bailey Co. (Dress;  
 Ribbons; Tie Goods)  
 AAAA  
 Audiger & Meyer Silk Co.  
 (Tie Silks) .....B  
 Augusta Silk Wks.  
 (Ribbons) .....B  
 Baker & Schofield Co.  
 (Broad) .....C  
 Ball, William (Ribbons)..C  
 Bamford Bros. Silk Mfg.  
 Co. (Ribbons) .....A  
 Banner Silk Co. (Plain;  
 Fancy Dress; Linings)..D  
 Becket Silk Co., David  
 (Ribbons) .....D  
 Bentley Bros. (Lining;  
 Neckwear; Dress; Trim-  
 ming) .....C  
 Brandes Mfg. Co., Julius  
 (Narrow Ribbons; Bind-  
 ings) .....A  
 Bristow, Mc Collum & Port  
 (Broad Silks) .....D  
 Cardinal & Becker (Broad  
 Silks) .....B  
 Cardinal Silk Co. (Dress  
 Goods; Linings) .....B  
 Cedar Cliff Silk Co. (Lin-  
 ing; Dress; Umbrella)  
 AA  
 Clifton Silk Mills (Broad)  
 AA  
 Clowes, Sothorn Co. (Dress;  
 Tie) .....C

**SILK GOODS (Con.)**  
 Collinge & Nolan Co. (Rib-  
 bons) .....C  
 Columbia Ribbon Co.  
 (Ribbons) .....C  
 Corbett, Reinhardt & Co.  
 (Ribbons) .....B  
 Dexter, Lambert & Co.  
 (Ribbons; Dress Goods)  
 AAAA  
 Doherty & Wadsworth Co.  
 (Broad; Ribbons; Silks)  
 AA  
 Empire Silk Co (Dress; Tie  
 Goods) .....A  
 Enterprise Silk Co. (Dress  
 Goods) .....B  
 Fairhurst & Co. (Tie)....O  
 Frank & Dugan (Ribbons)  
 AA  
 Grimshaw Bros. (Broad;  
 Millinery; Tie) .....C  
 Haemchen Bros. Silk Corp.  
 (Linings; Furrier Goods;  
 Tie; Umzrella) .....B  
 Hand & Sons, Jno. (Broad;  
 Tie; Ribbon) .....A  
 Harris, Wm. (Ribbons)..D  
 Helvetia Silk Mill (Rib-  
 bons) .....A  
 Hollbach & Co., Jno. (Tie;  
 Silks) .....C  
 Holmes Silk Co. (Dress  
 Goods) .....B  
 Holzman Silk Mfg. Co.  
 (Ribbons) .....C  
 Jansen & Pretzfeld (Dress  
 Goods) .....C  
 John, Cowdin & Co. (Rib-  
 bons) .....AAA  
 Kattermann & Mitchell  
 (Broad Goods) .....A  
 Laurel Silk Works (Dress  
 Goods) .....B  
 Levey, A. & M. (Ribbons)  
 AA  
 Little & Co., W. (Dress;  
 Tie) .....C  
 Mason Silk Mills (Fancy  
 Broad) .....AA  
 Mayhew Silk Mfg. Co.  
 (Dress Goods) .....C  
 Meding Mfg. Co. (Ribbons)  
 X  
 Meteor Silk Co.....D  
 Miesch Mfg. Co. (Ribbons)  
 B  
 Miller & Ward Co. (Broad)  
 D  
 Naef Bros. Co. (Broad  
 Silks) .....B  
 National Ribbon Co.  
 (Ribbons) .....B  
 Neuberger-Phillips Silk Co.  
 C  
 New Jersey Silk Co. (Dress  
 Goods) .....AA  
 Paragon Silk Co. (Broad)  
 R  
 Pelgram & Meyer (Broad  
 Silks; Ribbons) ..AAAA  
 Phoenix Silk Mfg. Co.  
 (Broad; Ribbons) ..AAAA  
 Post & Sheldon Silk Co.  
 (Broad) .....C  
 Potts Co., J. M. ....B  
 Ramsey & Gore Mfg. Co.  
 (Tram; Organzine; Chif-  
 fon; Crepe-de-chine) ...B  
 Reiling & Schoen, David  
 (Dress; Tie) .....AA  
 Simon, R. H. (Dress Goods;  
 Ribbons; Tie; Lining  
 Silks) .....AAAA  
 Simpson & Co., Jas. (Fancy  
 Dress Goods; Ribbons)  
 AA  
 Standard Silk Co. (Taffe-  
 tas; Gros-Grains; Failles;  
 Satins; Surahs; Crepe-de-  
 chine) .....A  
 Stern & Pohly (Broad  
 Silks) .....C  
 Strange Co., Wm. (Dress  
 Goods; Ribbons) ..AAA  
 Threlfall & Steele (Tie) ..O  
 Warner, Joseph (Ribbons)  
 C  
 Westerhoff Bros. & Napier  
 Co. (Dress; Tie; Organ-  
 zine) .....B  
**N. J.—Stirling**  
 Stirling Silk Mfg. Co. (Nov-

**SILK GOODS (Con.)**

eties; Broad Goods)....A  
**N. J.—Summit**  
 Summit Silk Mfg. Co. (Nov-  
 eties; Broad Goods)....A  
**N. J.—Town of Union**  
 Simon, R. & H. (Ribbons)  
 AAAAA  
**N. J.—Washington**  
 Washington Silk Mills (Um-  
 brellas; Dress; Fancy)..B  
**N. Y.—West Hoboken**  
 Givernaud Bros. (Black;  
 Colored Dress) .....AAA  
 Schwarzenbach, Huber &  
 Co. (Dress; Necktie; Lin-  
 ing; Umbrella) ..AAAA  
**N. J.—West New York**  
 North American Silk Co.  
 (Broad) .....D  
**N. Y.—Binghamton**  
 Binghamton Silk Co.  
 (Broad) .....D  
**N. Y.—Brooklyn**  
 Kaltenbach & Stephens  
 (Ribbons) .....B  
**N. Y.—Elmira**  
 Read & Lovatt Mfg. Co..A  
 Stearns & Co., J. N.  
 (Broad Silks) .....AAA  
**N. Y.—Haverstraw**  
 Home Silk Mills (Broad)..C  
**N. Y.—Hornellsville**  
 Steuben Silk Co. (Broad).B  
**N. Y.—Kenwood**  
 Oneida Community (Em-  
 broidery Silk) .....AAA  
**N. Y.—Long Island City**  
 Astoria Silk W'ks. (Broad  
 Silks; Satins) .....AA  
 Migel & Co., M. C. (Broad  
 Dress Silks) .....B  
**N. Y.—Newburgh**  
 Harrison & Gore Silk Co.  
 (Dress Goods; Pongees;  
 Tie Goods; Florentines)  
 C  
**New York City**  
 Abegg & Rusch (Com.)  
 AAAAA  
 Atlas Silk Co.....AAAA  
 Auffmordt & Co., C. A.  
 (Com.; also Import)  
 AAAAA  
 Bachmann, Emmerich &  
 Co. (Com.) .....B  
 Beckermann & Co.,  
 (Import) .....B  
 Bernhard & Son, B. (Im-  
 port) .....A  
 Bernstein, Mitchell B.  
 (Ribbons) .....B  
 Blum, J. A. (Import)...B  
 Boessneck, Broesel & Co.  
 (Com.) .....AAAA  
 Burgess & Co., W. H.  
 (Broad Goods) .....AAA  
 Caesar & Co., H. A. (Com.;  
 also Dress Goods)..AAA  
 Catoir Silk Co. (Broad  
 Silks) .....C  
 Cheney Bros. (Piece Goods;  
 Pongees; Ribbons) AAAA  
 Dazian & Son, D. W.  
 (Import) .....B  
 Derby & Co., W. E.  
 (Com.) .....A  
 Dexter, Lambert & Co.  
 (Dress Goods; Ribbons;  
 Trimmings) .....AAAA  
 Elsemann & Co., S.....X  
 Erskine & Co., J.....B  
 Erstein & Bro. (Ribbons;  
 Dress Goods) .....AAA  
 Eureka Silk Mfg. Co..AA  
 Fithian & Co., J. H.  
 (Com.) .....A  
 Fleitmann & Co. (Com.;  
 Dress Silks) .....AAAA  
 Frank & Dugan (Ribbons)  
 AA  
 Gartner & Friedenbelt (Rib-  
 bons) .....AAA  
 Givernaud Bros. (Broad  
 Goods) .....AAA  
 Gomprecht, M. (Ribbons).B  
 Graef & Co., Walter.....A  
 Gumbiner Co., Paul.....AAA  
 Hammond, Knowlton & Co.  
 (Twist) .....B  
 Hardt, von Bernuth & Co.  
 (Import; also Com.; Rib-  
 bons, etc.) .....AAAA

**SILK GOODS (Con.)**

Heinsheimer Bros. (Rib-  
 bons) .....B  
 Hertlein, Chr. E. (Ribbons)  
 A  
 Hill Bros. (Ribbons).....B  
 Hoeninghause & Curtiss  
 (Com. Ribbons, etc.; also  
 Import) .....AA  
 Hyman, S. ....B  
 Iselin & Co., Wm. (Com.)  
 AAAAA  
 Johnson, Cowdin & Co. (Rib-  
 bons) .....AA  
 Juillard & Co., A. D.  
 (Com.) .....AAAA  
 Kahn, H. H. (Ribbons)..B  
 Klingsenstein Bros. & Co.  
 (Import) .....AA  
 Krause & Son, R. (Ribbons)  
 C  
 Kridel Sons & Co., J.  
 (Ribbons) .....AAA  
 Levy, A. & M. (Ribbons)  
 AAA  
 Levy, E. & H. (Ribbons)  
 AA  
 Liberty Silk Co. (Broad  
 Silks & Satins) .....A  
 Loth & Co., Jos. (Ribbons)  
 AA  
 Lyon Silk Co. (Dress;  
 Tailors) .....C  
 Mason & Co., E. T. (Broad  
 Goods) .....AA  
 Mendelson & Co., H.....A  
 Menke & Co., Jno. (Broad  
 Goods) .....A  
 Morrisania Silk Mills (Rib-  
 bons) .....AA  
 Oelbermann, Dommerich &  
 Co. (Com.) .....AAAA  
 Openhym & Sons, Wm. (Im-  
 port) .....AAAA  
 Passavant & Co. (Com.)  
 AAAAA  
 Pearl, L. ....A  
 Pelgram & Meyer (Broad;  
 Ribbons) .....AAAA  
 Poncet & Neeser (Ribbons)  
 B  
 Relling & Schoen, David  
 (Dress; Tie) .....AA  
 Robertson, Wm. H. (Rib-  
 bons) .....B  
 Roessel & Co., Louis  
 (Broad Goods) .....A  
 Schefer, Schramm & Vogel  
 (Import; also Com.  
 Broad; Ribbons) ..AAAA  
 Schoolhouse & Son, Chas.  
 (Ribbons) .....A  
 Schroeder & Co., Wm.  
 (Dress Goods & Ribbons)  
 A  
 Schwarzenbach, Huber &  
 Co. (Import) .....AAAA  
 Simon & Co., J. R. (China;  
 Japanese) .....AAAA  
 Smith & Kaufman (Rib-  
 bons) .....AAA  
 Spielmann & Co., (also  
 also Com.) .....AAA  
 Springarn Bros. (Ribbons)  
 B  
 Star Ribbon Mfg. Co.  
 (Ribbons) .....C  
 Stearns & Co., Jno. N.  
 AAA  
 Steinfelder, Toplitz & Co.  
 B  
 Stieglitz & Sons, M. L.  
 (Linings) .....A  
 Strange Co., Wm. ....AAA  
 Sullivan, Drew & Co.....AA  
 Sundhomer Bros. (Ribbons)  
 B  
 Swan & Sons, Jos. (Rib-  
 bons) .....AA  
 Ullmann & Co., Bernhard  
 (Drapery) .....AAAA  
 Vietor & Achells, Fred  
 (Com.) .....AAAA  
 Williams Silk Mfg. Co.  
 (Serges; Satins; de Chin-  
 es; Linings) .....B  
 Woodhouse, Bopp & Co.  
 (Plain; Fancy Dress)..A  
 Wright & Graham (Rib-  
 bons) .....B  
**N. Y.—Ogdensburg**  
 Oswegatchie Mfg. Co.  
 AAAAA

**SILK GOODS (Con.)**

**N. Y.—Oneonta**  
Paragon Silk Co. (Broad) B

**N. Y.—Port Jarvis**  
Kattermann & Mitchell Co. A

**N. Y.—Rochester**  
Caldwell Mfg. Co. (Rib-  
bon) .....C

**N. C.—Rockingham**  
Roberdel Mfg. Co. ....A

**OHIO—Marion**  
Susquehanna Silk Mills  
(Broad Goods) .....B

**PA.—Alburtis**  
Hartley Silk Mfg. Co.  
(Broad; Tie) .....D

**PA.—Allentown**  
Adelaide Silk Mill. ....AAAA

**PA.—Allentown Silk Co. (Organ-  
zine; Ribbons) .....C**

**PA.—Givernaud Bros. (Broad)**  
AAA

**PA.—Lecha Silk Co. (Ribbons).D**

**PA.—Mack Silk Co., Jos. S....C**

**PA.—Palace Ribbon Mfg. Co.  
(Ribbons) .....A**

**PA.—Altoona**  
Schwarzenbach, Huber &  
Co. (Broad).....AAAA

**PA.—Athena**  
Tioga Silk Co. (Dress; Lin-  
ing Goods) .....D

**PA.—Avoca**  
Avoca Silk Co. (Dress; Lin-  
ings) .....D

**PA.—Bethlehem**  
Bethlehem Silk Co. (Organ-  
zine; Floss) .....A

**PA.—Duplan Silk Co., (Piece  
Dyed; Plain; Novelties)**  
B

**PA.—Fichter & Martin (Ribbons;  
Broad Goods) .....A**

**PA.—Grube, Geo. W. (Ribbons)**  
D

**PA.—Lehigh Valley Silk Mills  
(Broad Goods) .....C**

**PA.—Sauquoit Silk Mfg. Co.  
(Broad Goods) ....,AAAA**

**PA.—Bloomsburg**  
Bloomsburg Silk Mill...AA

**PA.—Butler**  
Butler Silk Mill (Broad  
Goods) .....C

**PA.—Carbondale**  
Empire Silk Co. (Broad).A

**PA.—Catsauqua**  
Dery, D. G. (Dress Goods) A

**PA.—Columbia**  
Ashley & Bailey Co.  
(Dress & Tie) ....AAA

**PA.—Danville**  
Colonial Spinning Mills...B

**PA.—Dickson City**  
Bliss, Valentine.....B

**PA.—East Greenville**  
Columbia Silk Mills (Rib-  
bons) .....C

**PA.—Easton**  
Phillipsburg Silk Mill Co.  
(Broad Silks) .....D

**PA.—Simon, R. & H. (Ribbons;  
Broad Goods) ....,AAAA**

**PA.—Emaus**  
Keystone Silk Mills (Dress)  
AAA

**PA.—Ephrata**  
Westerhoff Bros. & Napier  
Co. (Dress; Tie; Broad  
Goods) .....B

**PA.—Forest City**  
Harvey Silk Co., Alf.  
(Organzine) .....B

**PA.—Hamburg**  
Hamburg Silk Co. (Dress  
Goods) .....D

**PA.—Hanover**  
Hanover Silk Co. (Ribbons)  
A

**PA.—Harrisburg**  
Pelgram & Meyer (Ribbon;  
Broad Silks) .....AAAA

**PA.—Hawley**  
Bellmont Silk Mills (Tram;  
Organzine; Dress; Rib-  
bons) .....AAAA

**PA.—Hazleton**  
Boessel & Co., Louis (Um-  
brella Silks) .....A

**PA.—Honesdale**  
Dexter, Lambert & Co.

**SILK GOODS (Con.)**

(Dress Silks; Ribbons)...  
AAAA

**PA.—Lansdale**  
Lanza Silk Co. (Umbrella;  
Dress) .....D

**PA.—Lock Haven**  
Lock Haven Silk Co.  
(Broad; Dress; Lining)A

**PA.—Marietta**  
Ashley & Bailey Co....AA

**PA.—Mauch Chunk**  
Dery, D. G. (Dress Silks)  
A

**PA.—Meadville**  
Meadville Silk Mfg. Co.  
(Dress Goods) .....D

**PA.—Newberry**  
Holmes Silk Co. (Dress  
Silks) .....A

**PA.—New Hope**  
Simpson & Co., Jas. (Dress  
Silks) .....D

**PA.—Philadelphia**  
Pine Tree Silk Mills Co.  
(Ribbons; Broad Silks)C

**PA.—Read, Wm. F.....AA**

**PA.—Scherr Bros (Broad Silks;  
Ribbons) .....A**

**PA.—Phoenixville**  
Johnson, Cowdin & Co.  
(Ribbons) .....AA

**PA.—Pittston**  
Frost & Van Ripper.....C

**PA.—Valentine & Bentley Silk Co.  
(Broad) .....B**

**PA.—Pottsville**  
Tilt Silk Mill (Ribbons)...  
AAA

**PA.—Quakertown**  
Quakertown Silk Co.  
(Broad) .....D

**PA.—Reading**  
Grimshaw Bros. (Broad).B

**PA.—Scranton**  
Ashley, Wm. H. ....B

**PA.—Harvey Silk Co., Alfred  
(Tram; Organzine)....B**

**PA.—Relling & Schoen, David  
(Broad Goods) .....AA**

**PA.—Sauquoit Silk Mfg. Co.  
(Broad; Dress Silks) ...  
AAAA**

**PA.—Simpson & Co., Jas.  
(Dress Goods) .....D**

**PA.—Shamokin**  
Shamokin Silk Mills (Dress  
Goods) .....A

**PA.—Slatington**  
Slatington Textile Mfg. Co.  
(Broad Silks) .....C

**PA.—Sunbury**  
Susquehanna Silk Mills..A

**PA.—Taylor**  
Taylor Worsted Co. (Dress)  
C

**PA.—Titusville**  
Horn Silk Co., Chas. (Rib-  
bons) .....B

**PA.—Topton**  
Hartley Silk Mfg. Co.  
(Broad Silks) .....D

**PA.—Weatherly**  
Read & Lovatt Co. ....A

**PA.—Wilkesbarre**  
Hess & Goldsmith Co.  
Hess & Goldsmith Co.  
(Broad) .....A

**PA.—Williamsport**  
Stearns & Co., Jno. N.  
(Dress Silks; Ribbons)..  
AAA

**PA.—York**  
Monarch Silk Co. ....A

**PA.—York Silk Mfg. Co.....A**

**PA.—R. I.—Pawtucket**  
Royal Weaving Co.....AA

**PA.—Norfolk**  
Norfolk Silk Co. (Dress).A

**SILKERS****(CORN)**

**MD.—Baltimore**  
Maryland Mfg. & Construc-  
tion Co. ....X

**N. Y.—Syracuse**  
Hemingway Mfg. Co. ....A

**PA.—Merrill-Soule Co. (Inc.) ..A**

**SILLS**

See also Woodwork



## SILLS (Con.)

**CONN.—Berlin**  
Berlin Construction Co.  
(Iron; Door; Window) ..A  
**GA.—Savannah**  
Southern Pine Co. of Georgia (Car) .....AAA  
**LA.—Lake Charles**  
Bradley-Ramsey Lumber Co. (Car) .....AAAA  
**N. Y.—Brooklyn**  
Hecla Iron Wrks. (Iron; Door; Window) .....AA  
New York City  
Cornell Co., J. B. & J. M. (Iron; Door; Window) AA  
**OHIO.—Cleveland**  
Van Dorn Iron Krks. Co. (Iron; Door; Window) ..AA  
**OHIO.—Kenton**  
Champion Iron Co. (Iron; Door; Window) .....AA  
**PA.—Wilkesbarre**  
Vulcan Iron Wrks. (Iron; Door; Window) ....AAAA

## SILOS

**KY.—Louisville**  
Caldwell Co., W. E. (Pine; Cypress) .....AA  
**MASS.—Boston**  
Stearns Lumber Co., A. T. (Building) .....AA  
**N. Y.—Cobleskill**  
Harder Mfg. Co. (Round) ..B  
**N. Y.—Hamilton**  
Hamilton Lumber Co. (Round) .....E  
New York City  
Ellis & Bro., G. ....AA

## SILVER

**CAL.—San Francisco**  
Selby Smelting & Lead Co. (Smelted) .....AAA  
**COLO.—Denver**  
Boston & Colorado Smelting Co. (Smelted) .....AAA  
**CONN.—Bridgeport**  
Bridgeport Brass Co. (German) .....AAA  
**CONN.—Bristol**  
American Silver Co. (German Sheet) .....A  
**CONN.—Seymour**  
Seymour Mfg. Co. (German) ....AAA  
**CONN.—Torrington**  
Coe Brass Mfg. Co. (German Sheet) .....AAAA  
**CONN.—Waterbury**  
Benedict & Burnham Mfg. Co. (German Sheet) .....AAAA  
Holmes, Booth & Haydens Co. (Inc.) (German Sheet) .....AAAA  
Plume & Atwood Mfg. Co. (German Sheet) .....AAA  
Scovill Mfg. Co. (German) .....AAAA  
Waterbury Brass Co. (German Sheet) .....AAAA  
**MICH.—Detroit**  
Detroit Copper & Brass Rolling Mills (German Sheet) .....AAAA  
**MONT.—Butte**  
Boston & Mont. Cons. Copper & Sil. Mine Co. (Smelted) .....AAAA  
**N. J.—Newark**  
Balbach Smelting & Refining Co. ....AAA  
**N. J.—Riverside**  
Riverside Metal Co. (German) .....A  
**N. Y.—New York City**  
Ansonia Brass & Copper Co. (German) .....AAAA  
**R. I.—Providence**  
Wall & Co., A. T. (Sheet) ..C  
**UTAH.—Salt Lake City**  
Centennial Eureka Mining Co. (Smelted) .....B

## SILVERWARE

**CONN.—Bridgeport**  
Holmes & Edwards Silver Co. (Sterling) .....AAAA  
International Silver Co. (Plated) .....AAAA  
Jennings Bros. Mfg. Co. (Plated) .....AA  
Smith Silver Co., E. H. H. (Plated) .....B  
**CONN.—Bristol**  
American Silver Co. (Plated; Sterling) .....A  
**CONN.—Danbury**  
Rogers Silver Plate Co. (Plated) .....A  
**CONN.—Derby**  
International Silver Co. (Plated) .....AAAA  
**CONN.—East Haddam**  
Boardman & Son, Luther (Britannia; Plated) ..AA  
**CONN.—Hartford**  
Melrose Silver Co. (Plated; Sterling) .....B  
Rogers Co., Simon L. & Geo. H. (Plated) .....A  
**CONN.—Meriden**  
International Silver Co. (Britannia; Plated; Sterling) .....AAAA  
Bliss Co., E. A. (Plated; Novelties) .....B  
Manning Bowman & Co. (Plated Britannia Enameled; Hollow; Tole) ..AA  
**CONN.—Middletown**  
Middletown Silver Co. (Plated; Britannia) .....E  
**CONN.—Naubuc**  
Williams Bros. Mfg. Co. (Plated) .....A  
**CONN.—Wallingford**  
International Silver Co. (Plated) .....AAAA  
Simpson, Hall, Miller & Co. (Britannia) .....AAAA  
Wallace & Sons Mfg. Co., E. (Plated Sterling) .....AAAA  
Wallingford Co. (Plated) ..D  
Watrous Mfg. Co. (Sterling Silver) .....AAAA  
**CONN.—Waterbury**  
Holmes, Booth & Haydens Co. (Plated) .....AAAA  
**ILL.—Aurora**  
Aurora Silver Plate Mfg. Co. (Plated) .....A  
**ILL.—Chicago**  
International Silver Co., 195 State (Plated) .....AAAA  
Rogers Mfg. Co., W. F., 88 Wabash Av. (Plated) ..D  
Spaulding & Co. (Sterling) .....AAAA  
Wendell & Co., 57 Washington (Sterling) .....B  
**ILL.—Rockford**  
Rockford Silver Plate Co. (Plated) .....A  
**IND.—Muncie**  
Ontario Silver Co. (Plated) ..A  
**MAINE.—Portland**  
Colonial Silver Co. (Plated) ..O  
Woodman-Cook Co. (Plated) ..B  
**MD.—Baltimore**  
Florence Silver Plate Co. (Plated) .....D  
Kann Bros. Silver Co. (Plated) .....O  
Kirk & Son, Samuel (Sterling Novelties) .....A  
Klank & Sons Mfg. Co., C. (Plated) .....B  
**MASS.—Attleboro**  
Attleboro Mfg. Co. (Sterling Novelties) .....A  
Blake Co., Jas. E. (Sterling Novelties) .....A  
Doggett & Clap Co. (Sterling Novelties) .....A  
Fisher Co., J. M. (Sterling Novelties) .....A  
Marble, Forrester & Co. (Sterling Novelties) ...O  
Regnell, Bigney & Co. (Sterling Novelties) .....AA  
Watson & Newell Co.

**SILVERWARE (Con.)**

(Sterling Novelties) .AA

**MASS.—Attleboro Falls**

Fisher &amp; Co., W. N. (Sterling Novelties) .B

**MASS.—Boston**

Bigelow, Kennard &amp; Co. (Sterling) .AA

Goodnow &amp; Jenks, 221 Columbus Av. (Sterling) .O

Shreve, Crump &amp; Low Mfg. Co. (Sterling) .AA

**MASS.—Greenfield**

Bogers, Lunt &amp; Bowlen Co. (Sterling) .B

**MASS.—New Bedford**

Fairpoint Corporation (Plated) .AA

**MASS.—Newburyport**

Newburyport Silver Co. (Sterling) .C

Towle Mfg. Co. (Plated; Sterling) .AA

**MASS.—North Attleboro**

Blackinton &amp; Co., E. (Sterling Novelties) .A

Oodding &amp; Heilborn Co. (Sterling Novelties) .A

Curtis &amp; Co., H. H. (Sterling Novelties) .B

Richards &amp; Co., E. Ira (Sterling Novelties) .AAA

Riley, French &amp; Heffren (Sterling Novelties) .AA

Webster Co., A. (Sterling Novelties) .A

Whiting &amp; Co., Frank M. (Sterling Novelties) .B

**MASS.—Plainville**

Whiting &amp; Davis (Sterling Novelties) .A

**MASS.—South Attleboro**

Sadler Bros. &amp; Co. (Sterling Novelties) .B

**MASS.—Taunton**

Cohannet Silver Co. (Plated) .E

Poole Silver Co. (Plated) .B

Reed &amp; Barton Corp. (Plated Sterling) .AAA

West Silver Co. (Plated) .F

**MASS.—West Somerville**

Carr &amp; Co., M. W. (Plated Novelties) .AA

**MO.—St. Louis**

St. Louis Silver Co. (Plated) .C

**N. H.—Concord**

Durgin Co., Wm. B. (Sterling) .B

**N. J.—Elizabeth**

Finck Co., Wm. O. (Sterling Novelties) .A

**N. J.—Hoboken**

Schimper &amp; Co., Wm. (Plated; Sterling Novelties) .AA

**N. J.—Newark**

Battin &amp; Co. (Sterling Novelties) .B

Eastwood &amp; Park Co. (Sterling Novelties) .C

Hayden &amp; Co., W. W. (Sterling Novelties) .B

La Pierre Mfg. Co. (Sterling) .A

Lebknecher &amp; Co. (Sterling) .B

Long &amp; Koch Co. (Sterling) .B

Reeves &amp; Brown (Sterling) .B

Schmitz, Moore &amp; Co. (Sterling Novelties) .C

Schwarzkopf &amp; Dorer (Sterling Novelties) .B

Stevens &amp; Leithoff (Sterling Novelties) .A

Strobell &amp; Orone (Sterling Novelties) .A

Unger Bros. (Sterling Novelties) .A

**N. J.—Plainfield**

Rogers Corp., Wm. H. (Plated) .D

**N. Y.—East Syracuse**

Benedict Mfg. Co., M. S. (Plated; Sterling) .AA

**New York City**

Adelphi Silver Plate Co. (Plated) .A

Alvin Mfg. Co., 41 Union Sqr. (Sterling) .B

**SILVERWARE (Con.)**

Aberbeck, M. T., 19 Maiden Lane (Sterling Novelties) .A

Bass, E. J., 575 B'way (Sterling Novelties) .AA

Carter, Howe &amp; Co., 9 Maiden Lane (Sterling Novelties) .A

Cohen, L. H., 28 E. 22d (Plated Photo Frames) .B

Deutsch Bros., 14 E. 17th (Sterling Novelties) .AA

Deutsch, I. N., 15 E. 17th (Plated Photo Frames) .E

Dominick &amp; Haff, 7 W. 29th (Sterling) .AA

Feeley Co., W. T., 6 E. Monroe (Sterling Church Work) .B

Gorman Mfg. Co., 19th &amp; B'way (Plated Sterling) .AAAA

Graff, Washbourne &amp; Dunn, 142 W. 14th (Sterling) .O

Kerr &amp; Thiery, 860 B'way (Sterling) .A

Kronheimer &amp; Oldenbusch Co. (Plated Photo Frames) .B

Lott &amp; Schmitt, 112 Walker (Sterling) .O

Mausser Mfg. Co., 31st &amp; 5th Av. (Sterling) .AA

Rice Sons, Bernard 542 B'way (Plated) .A

Rogers, Wm. A., 12 Warren (Plated) .AA

Shlebler &amp; Co., Geo. W., 5 Maiden Lane (Sterling Novelties) .A

Starr, Theodore B. (Sterling) .AA

Sternau &amp; Co., S., 204 Church (Plated) .A

Tiffany &amp; Co. .AAAA

Todd &amp; Co., Edwd., 208 5th Av. (Sterling Novelties) .O

Webster &amp; Son, E. G., 10 Maiden Lane (Plated) .AA

Whiting Mfg. Co., 18th &amp; B'way (Sterling of all (Kinds) .AAAA

Woodside Sterling Co., 11 John St. (Sterling) .B

**N. Y.—Port Jervis**

Knickerbocker Silver Co. .N. Y.—Rochester

Van Bergh Silver Plate Co. (Plated) .A

**N. Y.—Sag Harbor**

Fahys Watch Case Co. (Sterling) .A

**OHIO—Cincinnati**

Holman Silver Plate Co. (Britannia) .A

Miami Silver Co. (Plated) .D

Queen City Silver Co. (Plated) .O

**PA.—Philadelphia**

Davis &amp; Galt, 780 Sansom (Sterling) .B

Ledig Co. (Britannia) .X

Simons Bros. &amp; Co., 611 Sansom (Sterling) .A

**R. I.—Providence**

Adams, D. F. (Sterling Novelties) .C

Barstow &amp; Williams (Sterling Novelties) .O

Bassett Jewelry Co. (Sterling Novelties) .B

Braltsch &amp; Co., W. J. (Sterling Novelties) .O

Feeley &amp; Co., Wm. F. (Sterling Novelties) .B

Fessenden &amp; Co. (Sterling Novelties) .B

Ford &amp; Carpenter (Sterling Novelties) .B

Foster &amp; Bro. Co., Theo. W. (Sterling Novelties) .AA

Hamilton &amp; Hamilton, Jr. (Sterling Novelties) .A

Knowles Co., J. B. &amp; S. M. (Sterling Novelties) .B

Manchester Mfg. Co. (Sterling Novelties) .B

Providence Stock Co. (Sterling Novelties) .A

**SILVERWARE (Con.)**  
 Stern & Co., Louis (Sterling  
 Novelties) .....B  
 Waite, Thresher Co. (Ster-  
 ling Novelties) .....A  
 Williams Silver Co., Roger  
 (Sterling) .....A

## SINGLE TREES: HAY

See also Woodwork: Car-  
 riage

**ILL.**—Ottawa  
 Porter Co., J. E. ....A  
**IOWA**—Fairfield  
 Loudon Mchry Co. ....C  
**OHIO**—Ashland  
 Myers & Bro., F. E. ....AAAA

## SINKERS

**MICH.**—Battle Creek  
 American Steam Pump Co.  
 (Pump) .....AAA  
**MO.**—St. Louis  
 Reliance Machine & Tool Co.  
 (Pump) .....AAA  
**N. H.**—Franklin  
 Franklin Needle Co. ....B  
**N. H.**—Laconia  
 Mayo Machine Co. ....D  
**OHIO**—Akron  
 Enterprise Mfg. Co. (Ad-  
 justable) .....A  
**OHIO**—Cincinnati  
 Vanduzen Co., E. W.  
 (Pump) .....B

## SINKS

**ALA.**—Anniston  
 Hercules Iron & Supply Co.  
 (Br. Boston; Cast Iron) .....A  
**CONN.**—Middletown  
 Douglas, W. & B. (Iron) .....A  
**ILL.**—Chicago  
 Cribben, Sexton & Co. (Br.  
 Stand. Sanitary Mfg. Co.,  
 Pittsburg, Pa.) (Enamell-  
 ed) .....AAAA  
 Illinois Malleable Iron Co.  
 (Iron) .....AAAA  
 Wolff Mfg. Co., L., 117 W.  
 Lake (Cast Iron; Steel;  
 Porcelain; Lined; Gray  
 Enamelled; Slate; Soap  
 stone) .....AAAA  
**ILL.**—Edwardsville  
 Illinois Marble Co. (Slate) .....C  
**ILL.**—Moline  
 Moline Pump Co. (Cast Iron;  
 Steel) .....A  
**ILL.**—Peoria  
 Culter & Proctor Stove Co.  
 (Iron) .....A  
**ILL.**—St. Charles  
 Glenn Mfg. Co. (Kitchen;  
 Slop) .....D  
**MAINE**—Bath  
 Monson Consolidated Slate  
 Co. (Br. Monson, Me.)  
 (Slate) .....B  
**MD.**—Baltimore  
 Weiskittle & Son, A. Alice-  
 anna & Washington  
 (Enamelled) .....A  
**MASS.**—Boston  
 Dalton-Ingersoll Co. (Iron;  
 Steel) .....X  
 Magee Furnace Co. (Iron) .....AA  
 Murdock Corp., 156 Boy-  
 lston (Marble Composite) .....B  
 Sturtevant Co., B. F. (Cast) .....AAA  
**MASS.**—Boston Highlands  
 Highland Foundry Co. (Iron) .....B  
**MICH.**—Detroit  
 Northwestern Fdry. & Sup-  
 ply Co., Orleans & Grand  
 Boul. (Cast Iron Slop) .....D  
**MO.**—St. Louis  
 Evens & Howard Fire Brick  
 Co., 920 Market (Earth-  
 enware) .....AAAA  
**N. J.**—Burlington  
 Stuart & Peterson Co. (Iron;

**SINKS (Con.)**  
 Steel) .....A  
**N. J.**—Perth Amboy  
 Perth Amboy Ceramic Co.  
 (Ceramic) .....D  
**N. J.**—Trenton  
 Brian Pottery Co. (Porce-  
 lain) .....D  
 Maddock & Sons, Thomas  
 (Earthenware) .....AA  
 Monument Pottery Co. ....A  
 Trenton Potteries Co.  
 (Earthenware; Solid Porce-  
 lain) .....AAA  
**N. Y.**—Brooklyn  
 Graham Chemical Pottery  
 Wrks., Chas., 1018 Metro-  
 politan Av. (Earthenware) .....D  
 Minns Sink & Specialty Co.,  
 349 Court (& Tubs Com-  
 bined) .....F  
 Ronalds & Johnson Co., 51  
 Bourum Pl. (Copper) .....AA  
**N. Y.**—Medina  
 Swett Iron Wrks., A. L.  
 (Cast Iron) .....A  
 New York City  
 Alberene Stone Co., 393  
 Pearl (Soapstone) .....B  
 Central Fdry. Co., 116 Nas-  
 sau (Cast Iron) .....AAA  
 Haydensville Co. (Iron) ....A  
 Lalance & Grosjean Mfg.  
 Co., 19 Cliff (Seamless  
 Wrought; Steel Enamell-  
 ed) .....AAAA  
 Mayer, Lane & Co., 123  
 White (Iron; Steel) .....A  
 Meyer-Sniffen Co. (Ltd.)  
 (Earthenware) .....A  
 Mott Iron Wrks., J. L., 88  
 Beekman (Steel; Porce-  
 lain Enamelled; Iron  
 Enamelled) .....AA  
 National Enamelling &  
 Stamping Co., 81 Fulton  
 (Iron; Steel) .....AAAA  
 New York Slate Wrks., 493  
 E. 138th (Slate) .....D  
 Steeger, Henry (Copper;  
 Iron) .....A  
 Stein, Henry, 48 Cliff (Mfr.  
 Agt. Enamelled Iron) .....E  
 Trageser Steam Copper  
 Wrks., Jno., 447 W. 26th  
 (Copper) .....B  
**N. Y.**—Rochester  
 Enterprise Fdry. Co., 48  
 Olean (Cast Iron) .....B  
**N. Y.**—Rome  
 Rome Sanitary Wrks. ....B  
**N. Y.**—Seneca Falls  
 Gleason & Bailey (Steel) .....B  
 Goulds Mfg. Co. (Iron) .....AAA  
 Rumsey & Co. (Ltd.) (Iron) .....A  
**N. Y.**—Syracuse  
 Stearns & Co., E. C. (Iron;  
 Steel) .....AA  
**OHIO.**—Ashtabula  
 Barber Mfg. Co. (Cast Iron;  
 White Enamelled; &c.) .....C  
**OHIO.**—Cleveland  
 Auld & Conger Co., 262  
 Prospect (Soapstone) .....A  
 Cleveland Co-operative Stove  
 Co. (Iron) .....AA  
 Norcross Co. (Stone) .....A  
**OHIO**—Columbus  
 Kilbourne & Jacobs Mfg. Co.  
 (Wrought Steel; Wrought  
 Iron; Oval) .....AAAA  
**OHIO**—Mansfield  
 Barnes Mfg. Co. (Steel;  
 Enamelled; Iron Enamell-  
 ed; Cast) .....A  
 Humphreys Mfg. Co. (Cast) .....B  
**PA.**—Braddock  
 McVay & Walker (Enam-  
 elled) .....A  
**PA.**—Erie  
 Griswold Mfg. Co. (Iron) .....A  
**PA.**—New Brighton  
 Amer. Porcelain Co. (Porce-  
 lain) .....C  
**PA.**—Philadelphia  
 Blessing, C. A., 516 Mont-  
 gomery Av. (Iron; Steel) .....AA  
 Cooper Brass Wrks., Wm.  
 S. 437 N. 12th (Brass) .....B

**SINKS (Con.)**  
**Fleck Bros. Co., 44 5th**  
 (Iron; Steel) .....A  
**Horner Sanitary Mfg. Co.,**  
 121 & 123 N. 6th .....F  
**McCambridge & Co. (Ltd.)**  
 525 Cherry (Copper; Iron;  
 Steel) .....B  
**Sheppard & Co., Isaac A.**  
 1801 N. 4th .....AAA  
**PA.—Pittsburg**  
**Harris Pump & Supply Co.,**  
 820 2d Av. (Enamelled  
 Iron) .....B  
**Iron City Sanitary Mfg. Co.,**  
 German Nat'l Bank Bldg.  
 (Enamelled Iron) .....A  
**Standard Sanitary Mfg. Co.,**  
 Arrott Bldg. (Enamelled  
 Iron) .....AAAA  
**United States Sanitary Mfg.**  
 Co., Arrot Bldg. (Enam-  
 elled Iron) .....A  
**PA.—Pittston**  
**Pittston Stove Co. (Iron)...**  
**PA.—Reading**  
**Reading Stove Wrks. (Iron)**  
 AA  
**PA.—So. Bethlehem**  
**Bethlehem Fdy. & Mach. Co.**  
 (Cast) .....O  
**R. I.—Providence**  
**Phillips Co., Thos. (Copper)**  
 C  
**TENN.—So. Pittsburg**  
**Blacklock Fdy. Co. (Cast**  
 Iron; Stamped) .....O  
**VT.—Fair Haven**  
**Allen's Sons, S. (Slate)...**  
 D  
**Fair Haven Marble & Mar-**  
 bleized Slate Co. (Slate)  
 B  
**Pelkey, W. H. (Slate)....**  
 E  
**WIS.—Milwaukee**  
**Bundle Mfg. Co. (Enamell-**  
 ed Iron) .....O  
**WIS.—Sheboygan**  
**Kohler Sons Co., J. M.**  
 (Enamelled Iron) .....A

## SIRENS

**N. Y.—New York City**  
**Brown Co., A. & F. ....**  
 A

## SIZE

**MASS.—Boston**  
**Babcock & Co., John (Gold)**  
 B  
**Morrill & Co., Geo. H.**  
 (Gold) .....AAA  
**MASS.—Lowell**  
**Holt & Co., Jonathan ....**  
 D  
**MICH.—Detroit**  
**Berry Bros. (Ltd.) (Gold)**  
 AAAA  
**N. Y.—Albany**  
**Diamond Paste Co. (Vege-**  
 table) .....C  
**N. Y.—New Brighton**  
**Muralo Co. ....**  
 A  
**New York City**  
**Amer. Type Founders Co.**  
 (Gold) .....AAAA  
**Chase, John S. (Gold) ....**  
 D  
**Devoe, F. W. & O. T. Ray-**  
 nolds Co. ....AAAA  
**Fox & Co., M. E. 186th &**  
 Rider Av. (Paperhangers)  
 D  
**Gillespie, L. C. (Gold) ...**  
 AA  
**Hoyt, Arthur S. ....**  
 B  
**Longman & Martinez (Gold)**  
 AAA  
**Matheson & Co., Wm. J.**  
 (Ltd.) .....A  
**Mayer & Loewenstein (Gold)**  
 AAA  
**Pierce Co., F. O., 170 Fulton**  
 (Gold) .....A  
**Salamon & Bro., L. A.**  
 (Gold) .....AA  
**OHIO.—Cincinnati**  
**Ault & Wiborg Co. (Gold)**  
 AAAA  
**OHIO.—Cleveland**  
**Cleveland Varnish Co.**  
 (Gold) .....AA

## SIZERS

**FLA.—De Land**  
**Cairns, J. T. (Orange)....**  
 X

## SIZERS (Con.)

**ILL.—Chicago**  
**Aitchison Perforated Metal**  
 Co., R. (Ore; Coal).....X  
**ILL.—Downers Grove**  
**Dicke Tool Co. ....**  
 O  
**KANS.—Fort Scott**  
**Fort Scott Fdy. & Mach. Co.**  
 (Ore; Coal) .....F  
**N. J.—Newark**  
**Kraeuter & Co. (Wood Turn-**  
 ers' .....E  
**N. Y.—New York City**  
**Amer. Wood Working Mach.**  
 Co. (Timber) .....AAA  
**Tower & Lyon ....**  
 B  
**PA.—Carbondale**  
**Hendrick Mfg. Co. (Lds.)**  
 (Ore; Coal) .....AA  
**PA.—Wilkesbarre**  
**Vulcan Iron Wrks. (Ore;**  
 Coal) .....AAAA

## SKATES

**CONN.—Torrington**  
**Union Hdw. Co. (Ice; Roll-**  
 er) .....AA  
**ILL.—Chicago**  
**Richardson Ball Bearing**  
 Skate Co. (Roller) .....F  
**IND.—Richmond**  
**Henley, M. C. (Ice Roller)**  
 A  
**MASS.—Springfield**  
**Barney & Berry (Ice; Roll-**  
 er) .....A  
**MASS.—Worcester**  
**Winslow Skate Mfg. Co.,**  
 Saml. (Ice; Roller) ....A  
**N. J.—Newark**  
**Lowentrant, P. (Ice; Rol-**  
 ler) .....A  
**N. Y.—Buffalo**  
**Crosby Co., (The) (Ice)...**  
 A  
**New York City**  
**Cycle Skate Co., 128 Liber-**  
 ty (Roller) .....X  
**Graham & Co., John H.**  
 113 Chambers (Ice) ...AA  
**Spaulding & Bros., A. G.**  
 (Ice; Roller) .....AAAA  
**OHIO.—Cleveland**  
**Avery Stamping Co. (Ice)**  
 B  
**PA.—Bloomsburg**  
**Richard Mfg. Co. (Roller)**  
 B

## SKEINS

See Hardware; Carriage

**ILL.—Belleville**  
**Belleville Pump & Skein**  
 Wrks. (Wagon) .....A  
**ILL.—Carpentersville**  
**Illinois Iron & Bolt Co.**  
 (Wagon; Thimble; Thim-  
 ble Steel) .....AA  
**IND.—South Bend**  
**Sandage Steel Skein Co.**  
 (Wagon Steel) .....B  
**N. Y.—Utica**  
**Giblin & Co. (Wagon)....**  
 B  
**OHIO.—Cincinnati**  
**Haven Co., Jas. L. (Thim-**  
 ble) .....B  
**OHIO.—Defiance**  
**Defiance Machine Wrks.**  
 (Wagon) .....A  
**OHIO.—Ravenna**  
**Williams, A. C. (Thimble)**  
 A  
**WIS.—Kenosha**  
**Bain Wagon Co. (Wagon)**  
 AAA

## SKELETONS

**CONN.—Winsted**  
**Empire Knife Co. (Steel)**  
 B  
**N. J.—Newark**  
**Wiss & Sons Co., J. (Iron)**  
 A  
**WIS.—Milwaukee**  
**Western Bottlers Supply Co.**  
 (Liquor Dealers) .....D

## SKELP

See also Iron & Steel

**SKELP (Con.)**  
**DEL.**—Wilmington  
 Seidel & Hastings Co. ....A  
**OHIO**—Steubenville  
 La Belle Iron Works.AAAA  
**OHIO**—Youngstown  
 Youngstown Iron Sheet &  
 Tube Co. ....AAAA  
**PA.**—Harrisburg  
 Harrisburg Pipe & Pipe  
 Bending Co. ....AAA  
**PA.**—Philadelphia  
 Houston & Co., C. B., Gi-  
 rard Bldg .....B

## SKETCHES

**New York City**  
 Hickok & Pate (Water  
 Color) .....E

## SKEWERS

**CONN.**—Meriden  
 Meriden Britannia Co. ....AAAA  
**CONN.**—New Britain  
 Landers, Frary & Clark  
 ....AAAA  
**GA.**—Toccoa  
 Reeves Spool & Bobbin Co.  
 (Bobbin) .....D  
**IND.**—Muncie  
 Weis & Lesh Mfg. Co.  
 (Butchers) .....A  
**MASS.**—Lawrence  
 Hale, T. J. (Cop) ..AAAA  
**MASS.**—Lowell  
 Parker, Frank (Cop).....F  
**MASS.**—Winchendon  
 Winchendon Spool & Bobbin  
 Co. ....A  
**MASS.**—Worcester  
 Hamblin & Russell Mfg. Co.  
 (Steel) .....B  
 Parker Wire Goods Co.  
 (Steel Butcher) .....D  
**N. Y.**—New York City  
 Lalance & Grosjean Mfg. Co.  
 ....AAAA  
**PA.**—Bradford  
 Union Dish Co. ....D  
**PA.**—Philadelphia  
 Nittinger, August .....A  
**R. I.**—Pawtucket  
 Payne & Co., Geo. W. (Cop)  
 .....D  
**S. C.**—Greenville  
 Mallard Lumber & Bobbin  
 Co. ....C

## SKIDS

**ILL.**—Chicago  
 Borden & Selleck Co., 48  
 Lake .....B  
**MASS.**—Arlington  
 Wood & Co., Wm. T. (Ice)  
 .....A  
**MASS.**—Boston  
 Boston & Lockport Block Co.  
 .....A  
**MICH.**—Detroit  
 Anderson & Sons, W. H. C  
**MICH.**—Lansing  
 Lansing Wheelbarrow Co. ....AAA  
**N. Y.**—New York City  
 Fairbanks Co., 186 Elm  
 ....AAAA  
**OHIO**—Columbus  
 Kilbourne & Jacobs Mfg. Co.  
 ....AAAA

## SKIFFS

See also Boats

**N. Y.**—New York City  
 Smith, John T. ....E  
**N. Y.**—Ogdensburg  
 Spalding St. Lawrence Boat  
 Co. ....O  
**N. Y.**—Skaneateles  
 Skaneateles Boat & Canoe  
 Co. ....C

## SKILLETS

See also Holloware

**ALA.**—Mobile  
 Mobile Stove & Pulley Mfg.  
 Co. ....B

**SKILLETS (Con.)**  
**MO.**—St. Louis  
 St. Louis Stamping Co. ....AAAA  
**N. Y.**—New York City  
 Central Stamping Co. ...AA  
**OHIO**—Cleveland  
 Avery Stamping Co. ....B  
**OHIO**—Toledo  
 Toledo Stamping Co. ....X  
**PA.**—Erie  
 Griswold Mfg. Co. ....A

## SKIMMERS

**ILL.**—Chicago  
 Barbee Wire & Iron Wks  
 .....B  
**MASS.**—Worcester  
 National Mfg. Co. ....A  
 Wire Goods Co. (Wire) ..A  
**MO.**—St. Louis  
 St. Louis Stamping Co.  
 ....AAAA  
**N. Y.**—Buffalo  
 Shepard & Co., Sidney  
 ....AAAA  
**N. Y.**—Cortland  
 Wickwire Bros. (Wire)  
 ....AAAA  
**New York City**  
 Lalance & Grosjean Mfg. Co.  
 ....AAAA  
 Reilley Bros. (Tin Oil Float).  
 .....D  
**N. Y.**—Troy  
 Troy Stamping Wks. (War-  
 ren & Co., J. M., Prop.)  
 ....AAAA  
**OHIO**—Cleveland  
 Cleveland Stamping & Tool  
 Co. (Wire) .....A  
**PA.**—Pittsburg  
 McCullough Dalzell Crucible  
 Co. ....A

## SKINS

See also Hides

**N. H.**—Manchester  
 Kimball & Brown (Roller)  
 .....A  
**N. Y.**—New York City  
 Young Co., Richard (Pig)  
 ....AA  
**PA.**—Philadelphia  
 Drueding Bros. Co., 427 W.  
 Master (Chamols) ....AA  
**R. I.**—Providence  
 Stone Co., O., Moulton  
 (Roller) .....B  
**VT.**—Hyde Park  
 Page, Carroll S. (Calf; Deer;  
 Dog) .....A

## SKIPS

**CAL.**—Stockton  
 Globe Iron Wrks. (Inc.)  
 (Ore; Water Mining) ..B  
**ILL.**—Chicago  
 Allis-Chalmers Co., Home  
 Ins. Bldg. (Mining)AAAA  
**MICH.**—Three Rivers  
 Sheffield Car Co. (Mine)  
 ....AA  
**OHIO**—Zanesville  
 Griffith & Wedge Co.  
 (Mine) .....A  
**PA.**—Pittsburg  
 Ritter-Conley Mfg. Co.  
 (Mine) ....AAAA  
**PA.**—Wilkesbarre  
 Vulcan Iron Wrks. (Mine)  
 ....AAAA  
**WIS.**—Oudahy  
 Power & Mining Machy Co.  
 (Mining) .....AAAA  
**WIS.**—Milwaukee  
 Allis-Chalmers Co. (Mine)  
 ....AAAA

## SKIRTINGS

See Cotton Goods  
 Woolen Goods

## SKIRTS

See Clothing: Ladies'

## SKIS

**MAINE**—South Paris  
Paris Mfg. Co. ....A

## SKIVERS

See also Leather

**ILL.**—Chicago  
Eagle Tanning Wrks. ....AA  
**MASS.**—Brookton  
Tuck Mfg. Co. ....E  
**N. Y.**—New York City  
Garner & Co., Thos. (Oak;  
Bark) .....AA  
Neumann & Co., R. ....A  
U. S. Leather Co. ....AAAA  
Young Co., Richard ....AA  
**OHIO**—Cincinnati  
Trautman & Co., O. ....A  
**WIS.**—Milwaukee  
Trostel & Sons, Albert  
AAAA

## SKYLIGHTS

**CONN.**—Bridgeport  
Drouve Co., G. (Metal) ....B  
**GA.**—Atlanta  
Dowman-Doxier Mfg. Co.  
(Metal) .....D  
**ILL.**—Chicago  
Winslow Bros. Co., 368 Car-  
roll Av. (Ornamental  
Iron) .....AA  
**MD.**—Baltimore  
Vaile & Young .....O  
**MASS.**—Boston  
Badger & Sons Co., E. B.  
63 Pitts (Metal) .....B  
Van Noorden Co., E., 944  
Mass. Av. (Metal) ....C  
**MASS.**—Lowell  
Mack & Co., W. A. ....C  
**MO.**—St. Louis  
Southern Iron Co., E. E. B

**N. J.**—Jersey City  
National Steel Metal Roof-  
ing Co. ....C  
**N. Y.**—Brooklyn  
Hecla Iron Wrks., N. 11th &  
Berry (Ornamental Iron) AA  
**N. Y.**—New York City  
Bickelhaupt Skylight Wrks.  
Geo., 243 W. 47th (Or-  
namental Iron) .....F  
Hayes Co., Geo., 71 8th Av. B

**OHIO**—Canton  
Berger Mfg. Co. ....AA  
Canton Steel Roofing Co. A

**OHIO**—Cincinnati  
Kiechler Mfg. Co. ....C

**OHIO**—Cleveland  
Garry Iron & Steel Co.  
(Metal) .....A  
Shackleton Bros. ....F

**OHIO**—Salem  
Mullins, W. H. ....A

**PA.**—Philadelphia  
Gara, McGinley & Co., 23 S.  
17th .....A

Luptons' Sons, David ....AAA  
**R. I.**—Providence  
Clason Architectural Metal  
Co. ....C

**TENN.**—Chattanooga  
Chattanooga Roofing & Fdy.  
Co. ....A

## SLABBERS: LOG

**N. H.**—Keene  
Humphrey Machine Co. ..C  
**ILL.**—Chicago  
Olmstead & Co. (Marble ..C  
**ILL.**—Edwardsville  
Illinois Marble Co. (Marble)  
O

## SLABS

**KY.**—Ashland  
Ashland Steel Co. (Steel)  
AAAA

**MASS.**—Boston  
American Soda Fountain Co.  
(Marble) ....AAAA

**MO.**—St. Louis  
Nelson Mfg. Co., N. O.

## SLABS (Con.)

(Marble) .....AAA  
**N. Y.**—New York City  
Sizer Forge Co. (Iron) ...A  
Dana & Co., 82 B'way  
(Steel) .....AA  
Graf, Frank H., 322 7th  
Av. (Soapstone) .....D  
Leavitt & Co., O. W., 15  
Cortland (Steel) .....D  
Mayer, Lane & Co., 128  
White (Marble) .....A  
**PA.**—Allentown  
Blue Valley Slate Co. (Uri-  
nal Slate) .....B  
**PA.**—Bangor  
American Slate Co. (Urinal  
Slate) .....AA  
Bangor Crescent Slate Co.  
(Urinal Slate) .....B  
Bangor State Mining Co.  
(Urinal Slate) .....B  
**PA.**—Delta  
Peerless Slate Co. (Urinal  
Slate) .....B  
**PA.**—Pen Argyl  
Crown Slate Co. (Slate) O  
**PA.**—Philadelphia  
Pennsylvania Steel Co.  
(Steel) .....AAAA  
**PA.**—Pittsburg  
Carnegie Steel Co. (Ltd.)  
(Steel) .....AAAA  
**PA.**—Pottstown  
Potts Bros. Iron Co.  
(Steel) .....A  
**PA.**—Slatington  
Slatington-Bangor Slate  
Syndicate (Urinal Slate) D  
**VT.**—Proctor  
Vermont Marble Co. (Print-  
ers Imposing; Plumbers')  
AAAA  
**W. VA.**—Wheeling  
Laughlin Nail Co. (Inc.)  
(Steel) .....AA  
Portsmouth Steel Co.  
(Steel) .....A

## SLASHERS

**ILL.**—Chicago  
Allis-Chalmers Co., Home  
Ins. Bldg. (Saw) AAAA  
**MASS.**—Boston  
Riley & Co., C. E., 65  
Franklin .....A  
**MASS.**—Lowell  
Entwistle Co., T. C. ....C  
Lowell Mach. Shop ....AAAA  
**MICH.**—Bay City  
Garland Co., M. (Saw) ...C  
**N. Y.**—Cohoes  
Cohoes Iron & Fdry. &  
Machine Co. ....A  
**PA.**—Philadelphia  
Bement-Niles-Pond Co.  
AAAA

**R. I.**—Pawtucket  
Howard & Bullough Amer.  
Machine Co. (Ltd.) AA

**R. I.**—Providence  
Textile Finishing Mchry.  
Co., 17 Exchange Pl. ....AAA

**WIS.**—Milwaukee  
Allis-Chalmers Co. (Slab)  
AAAA  
Filler & Stowell Co. (Saw  
Slab) .....AAA

## SLATE

**ILL.**—Chicago  
Aitchison Perforated Metal  
Co., R. (Roofing) .....X

**ILL.**—Edwardsville  
Illinois Marble Co. (for  
Electrical Purposes) ..C

**MAINE**—Bath  
Monson Consolidated Slate  
Co. (for Electrical Pur-  
poses) .....B

**MASS.**—Boston  
Mathews Consolidated Slate  
Co., 199 Washn. (Decorative;  
for Backing Litho-  
graphic Stones; for Elec-  
trical Purposes; Monu-  
mental; Sculptural Unfading  
Purple) .....X

Munson Maine Slate Co.,  
118 Devonshire (for Elec-  
trical Purposes) ....X

**SLATE (Con.)**

**MASS.—Lowell**  
 Lowell Slate Co. (Roofing) X

**MASS.—Worcester**  
 Algonquin Red Slate Co.  
 (for Electrical Purposes) B  
 Brownville Maine Slate Co.  
 (for Electrical Purposes;  
 Roofing) ..... B

**MO.—St. Louis**  
 Mesker & Bro. (Roofing) AA

**N. J.—Lincoln**  
 Atlas Mineral & Machine  
 Co. (Flour) ..... X

**N. Y.—Brooklyn**  
 Wiarda & Co., John C.  
 (Ground) ..... AA

**N. Y.—Granville**  
 Norton Bros. (Roofing) A

**OHIO—Cleveland**  
 Auld & Conger (Roofing) A

**PA.—Allentown**  
 Madoc Slate Co. (for Elec-  
 trical Purposes) ..... X

**PA.—Bangor**  
 Bangor Crescent Slate Co.  
 (for Electrical Purposes) B  
 Bangor Peerless Slate Co.  
 (Roofing) ..... C  
 Bangor Slate Mining Co.  
 (for Electrical Purposes) B  
 North Bangor Slate Co. (Br.  
 Newark, N. J.) (For Elec-  
 trical Purposes) ..... X

**PA.—Danielsville**  
 Hower, J. K. (Roofing; for  
 Electrical Purposes) .. B

**PA.—Delta**  
 Peerless Slate Co. (for  
 Electrical Purposes) .. B

**PA.—East Bangor**  
 East Bangor Consolidated  
 Slate Co. (Roofing) .. AA

**PA.—Easton**  
 Bangor Excelsior Slate Co.  
 (Roofing) ..... A

**Penna. Structural Slate Co.**  
 (for Electrical Purposes) B

**Williams & Co., C. K.**  
 (Ground; Powdered) ... A

**PA.—Lynnport**  
 Ontalawaunee Slate Mfg.  
 Co. (for Electrical Pur-  
 poses) ..... C

**PA.—Pen Argyl**  
 Lobb's Sons, Wm. (Roof-  
 ing) ..... C

**PA.—Philadelphia**  
 Emack, John D., S. Girard  
 Bldg. (Roofing) ..... C

**Kimes & Co., J. B., 1822**  
 Filbert (Unfading Purple) C

**PA.—Slatington**  
 Blue Mountain Slate Co.  
 (Roofing) ..... B

**Eureka Slate Mfg. Co.**  
 (Roofing) ..... E

**McKenna, David** (for Elec-  
 trical Purposes; School) E

**Slatington Slate Co.** (for  
 Electrical Purposes; Roof-  
 ing Purposes) ..... B

**Washington Slate Co.** (for  
 Electrical Purposes) ... C

**PA.—Wind Gap**  
 Pelican Slate Mfg. Co. (for  
 Electrical Purposes) ... E

**VT.—Fair Haven**  
 Allen's Sons, S. (for Elec-  
 trical Purposes) ..... D

**Coulman & Westcott** (for  
 Electrical Purposes) .. D

**Fair Haven Marble & Mar-  
 bleized Slate Co.** (for  
 Electrical Purposes) ... B

**M'Namara Bros.** (for Elec-  
 trical Purposes) ..... D

**Pelkey, W. H.** (for Elec-  
 trical Purposes) ..... E

**Young, A. B.** (for Elec-  
 trical Purposes) ..... F

**PA.—Poutiney**  
 Fleming Slate Co. (for Elec-  
 trical Purposes) ..... C

**Griffith & Nathaniel** (Roof-  
 ing) ..... B

**SLATES**

**CONN.—East River**  
 Munger & Son (Paper) .. C

**SLATES (Con.)**

**ILL.—Chicago**  
 Kane & Co., Thos. (Noise-  
 less) ..... B

**New York City**  
 Galt & Sons, John (School) A

**New York Silicate Book**  
 Slate Co. (Noiseless;  
 Book; Silicate) ..... D

**PA.—Bangor**  
 Bangor Peerless Slate Co.  
 (School) ..... C

**Dernberger, Isaac D.**  
 (School) ..... D

**Wise School Slate Co.**  
 (School) ..... D

**PA.—Bethlehem**  
 National School Slate Co.  
 (School) ..... A

**PA.—Portland**  
 Gardner, John (School) ... F

**Wise & Co., J.** (School) B

**PA.—Slatington**  
 Blue Valley Slate Co.  
 (School) ..... B

**SLATING**

**CONN.—East River**  
 Munger & Son (Blackboard,  
 Liquid) ..... C

**New York City**  
 New York Silicate Book  
 Slate Co. (Blackboard,  
 Liquid) ..... D

**SLATS**

**MASS.—Athol**  
 Tyler, Arthur F. (Blind) C

**MICH.—Bay City**  
 Vance Box Co., E. J.  
 (Ltd.) (Ash Can) ..... B

**MICH.—Mount Pleasant**  
 Gorham Bros. Co. (Trunk) A

**MICH.—New Lathrop**  
 Hess & Prouty (Fence) .. A

**MO.—St. Louis**  
 St. Louis Basket & Box  
 Co. (Trunk) ..... A

**N. J.—Newark**  
 Gould & Sons Co., M.  
 (Trunk) ..... A

**N. Y.—Poughkeepsie**  
 Chapinville Wheel Co.  
 (Binder) ..... D

**OHIO—Youngstown**  
 Youngstown Iron & Steel  
 Roofing Co. (Louver) AA

**TENN.—Chattanooga**  
 Heron Iron Bedstead Co.  
 (Iron Bed) ..... D

**VT.—Burlington**  
 Vermont Shade Roller Co.  
 (Shade) ..... A

**VA.—Norfolk**  
 Roper Lumber Co., John L.  
 (Bed) ..... AAA

**SLEDGES**

See also Hammers

**CONN.—Collinsville**  
 Collins Co. .... AAAA

**CONN.—Wallingford**  
 Wallace & Sons Mfg. Co.,  
 R. .... AAAA

**ILL.—Chicago**  
 Union Drop Forge Co., 66  
 E. Ohio (Drop Forged) . A

**ILL.—Streator**  
 Iwan Bros. .... C

**IND.—Evansville**  
 Evansville Tool Wks. (Coal;  
 Blacksmith's; Stone, etc.) A

**IOWA—Ottumwa**  
 Hardsocg Mfg. Co. (Coal) B

**MASS.—Boston**  
 Harvey, H. H. (Stone) ... D

**MICH.—Detroit**  
 Anderson & Sons, W. H. C

**Detroit Steel & Spring Co.**  
 (Stone) ..... B

**N. J.—Mohawk**  
 American Brake Shoe &  
 Fdy. Co. .... A

**N. J.—Newark**  
 Atha Tool Co. (Railroad  
 Stone) ..... A

**Heller Bros. Co., 879 Mt.**

**SLEDGES (Con.)**

Prospect Av. ....AA  
**N. Y.—Norwich**  
 Maydole Hammer Co.,  
 David (Stone) .....B  
**PA.—Frankford**  
 Plumb, Fayette R. (Inc.)  
 (Stone) .....AA  
**PA.—Ogontz**  
 Hammond & Son, C .....A  
**PA.—Pittsburg**  
 Anderson, Du Puy & Co. X  
 Gerber & Sons, L. (Coal) D  
 Hubbard & Co., Murland  
 Bldg. ....AA  
 Iron City Tool Wks., 32nd  
 & Smallman (Solid Cast  
 Steel; Railroad; Stone) A  
 Klein-Logan Co., So. 13th &  
 Broad .....A  
 Pittsburg Tool & Drop  
 Forge Co., Arrott Bldg.  
 (Miners'; Blacksmiths') D  
**W. VA.—Wheeling**  
 Warwood Tool Co. ....B

**SLEDS**

See also Sleights

**ILL.—Bradley**  
 Bradley Mfg. Co., David  
**ILL.—Chicago**  
 Staver Carriage Co. (Bob)  
 AA  
 Weber Wagon Co. (Bob)AA  
**ILL.—Galesburg**  
 Cotton & Co., G. D. (Bob)C  
**ILL.—Marseilles**  
 Marseilles Mfg. Co. (Bob)  
 A  
**ILL.—Sterling**  
 Sterling Mfg. Co. (Bob) A  
**IND.—Bremen**  
 Wright, John J (Bob) ....B  
**IND.—Indianapolis**  
 Over, Ewald (Bob) .....C  
**IND.—South Bend**  
 Cogullard Wagon Wks.  
 (Bob) .....A  
**MAINE—South Paris**  
 Paris Mfg. Co. (Childrens')  
 A  
**MASS.—Boston**  
 Harvey, H. H. (Coasting) D  
**MICH.—Charlotte**  
 Benton Mfg. Co. (Hand) A  
**MICH.—Kalamazoo**  
 Kalamazoo Sled Co.  
 (Childrens') .....A  
**MICH.—Lansing**  
 Bement & Sons, E. (Bob)X  
 Lansing Wagon Wks.  
 (Bob) .....A  
**MINN.—Minneapolis**  
 Howell & Co., R. R. (Bob)  
 B  
**MINN.—Sauk Center**  
 Keller Mfg. Co. (Bob) ...B  
**MINN.—Winona**  
 Winona Wagon Co. (Bob)  
 AA  
**N. J.—Hightstown**  
 Shangle, Serin & Son (Fur-  
 rowing) .....D  
**New York City**  
 Fellows & Lathrop Co., 104  
 Reade (Boys') .....D  
**N. Y.—Watertown**  
 Union Carriage & Gear Co.  
 (Bob) .....B  
**OHIO—Ashtabula**  
 Barber Mfg. Co. (Oscilla-  
 ting Bob) .....C  
**OHIO—Toledo**  
 Hickox, Mull & Hill Co.  
 (Logging) .....A  
**PA.—Columbia**  
 Columbia Wagon Co. (Bob)  
 A  
**PA.—Philadelphia**  
 McHenry, W. J. (Chil-  
 drens') .....D  
**VT.—Brattleboro**  
 Smith & Co., S. A. (Chil-  
 drens' Coasting) .AAA  
**VT.—Hartford**  
 Ruzbee, Chas. L. (Bob) H  
**WASH.—Tacoma**  
 West Coast Wagon Co  
 (Dog) .....E  
**WIS.—Boscobel**  
 Ruka Bros. Mfg. Co. (Ltd.)  
 (Bob) .....C

**SLEDS (Con.)**

**WIS.—Fon-du-Lao**  
 Sweet Co., B. F. & H. L.  
 (Bob) .....A  
**WIS.—Fort Atkinson**  
 Northwestern Mfg. Co.  
 (Bob) .....AA  
**WIS.—Madison**  
 Fuller & Johnson Mfg. Co.  
 (Bob) .....AAA  
**WIS.—Racine**  
 Dickey Mfg. Co., A. P.  
 (Bob) .....F  
**WIS.—Sheboygan**  
 Garton Toy Co. (Coasting)A  
**WIS.—Stoughton**  
 Stoughton Wagon Co. (Bob)  
 AA  
**WIS.—Whitewater**  
 Weyher & Son, Theo. (Bob)  
 E

**SLEEVES**

**MASS.—Cambridge**  
 Boston Woven Hose &  
 Rubber Co. (Rubber  
 Dredging) .....AAAA  
**MASS.—Chelsea**  
 Carr & Co., J. H. (Iron) X  
**N. J.—Bloomfield**  
 Combination Rubber Mfg.  
 Co. (Dredging) .....B  
**N. Y.—Buffalo**  
 Keystone Mfg. Co. (Taper  
 Drill) .....X  
**OHIO—Akron**  
 Faultless Rubber Co. (Rub-  
 ber) .....AA  
**OHIO—Barberton**  
 Pure Gum Specialty Co.  
 (Rubber) .....B  
**OHIO—Bucyrus**  
 Blair Husking Glove Co.  
 (Corn Harvester) .....D  
**PA.—Bradford**  
 Dresser, S. R. (Iron Pipe)  
 AA  
**PA.—Philadelphia**  
 Pressed Steel Mfg. Co.,  
 Ridge Av. & Willow (Ball  
 Bearing Loose Pulleys) D  
**PA.—Pittsburg**  
 McCullough-Datzell Crucible  
 Co. (Plumbago) .....A

**SLEEVEING:****COTTON**

**PA.—Philadelphia**  
 Moore, Alfred F., 202 N.  
 3rd .....AAAA

**SLEIGHTS**

See also Sleds; Carriages

**MAINE—South Paris**  
 Paris Mfg. Co. (Childrens')  
 A  
**MICH.—Kalamazoo**  
 Kalamazoo Sled Co. (Chil-  
 drens') .....A  
**N. Y.—Buffalo**  
 Heinz & Munschauer (Chil-  
 drens') .....A  
**N. Y.—Cortland**  
 Ellis Omnibus & Cab Co.  
 (Railroad) .....D  
**N. Y.—Nyack**  
 Christie, A. E. & J. H.  
 (Russian) .....D  
**N. Y.—Rome**  
 Bingham Harness Co.  
 (Pony) .....D  
**N. Y.—Troy**  
 Troy Carriage Wks.  
 (Russian) .....B  
**VT.—Brattleboro**  
 Smith & Co., S. A. (Chil-  
 drens') .....AAA  
**WIS.—Milwaukee**  
 Meinecke & Sons, A. (Chil-  
 drens', Perambulator)AA

**SLICERS****CONN.—New Britain**

Landers, Frary & Clark  
 (Bread; Cake; Potato)  
 AAA



**SLICERS (Con.)**

**ILL.—Chicago**  
 American Fdy. & Mchry.  
 Co., Monadnock Bldg.  
 (Beet) .....AA  
**IND.—Indianapolis**  
 Atkins & Co., E. C. (Vege-  
 table; Fruit) .....AAAA  
 Tucker & Dorsey Mfg. Co.  
 (Bread; Vegetable; Fruit)  
 .....A  
**MD.—Baltimore**  
 Sinclair-Scott Co. (Pine-  
 apple) .....E  
**MASS.—Southbridge**  
 Harrington Cutlery Co.  
 (beef) .....C  
**MASS.—Worcester**  
 Parker Wire Goods Co.  
 (Vegetable; Fruit) ....D  
**MICH.—Grand Ledge**  
 Vanator Edge Tool Wks.  
 (Ham) .....D  
**N. H.—Antrim**  
 Goodell Co. (Potato) ....A  
**New York City**  
 Houchin Co., Thos. W.  
 (Revolving) .....D  
 Jennings Co., C. E., 42 Mur-  
 ray (Vegetable; Fruit) .B  
 Lalance & Grosjean Mfg.  
 Co. (Egg) .....AAAA  
 Peck, Stow & Wilcox Co.,  
 27 Murray (Vegetable;  
 Fruit) .....AAAA  
**N. Y.—Rochester**  
 Streeter & Co., N. R.  
 (Fruit) .....A  
**N. Y.—Silver Creek**  
 Howes Co., S. (Bean for  
 Canners) .....A  
**OHIO—Clyde**  
 Clyde Cutlery Co. (Ham) C  
**PA.—Lancaster**  
 Eagle Machine Co. (Ear  
 Corn) .....A  
 National Mfg. Co. (Revolv-  
 ing) .....C  
**PA.—Philadelphia**  
 Disston & Sons, Hy. (Vege-  
 table; Fruit) .....AAAA  
 Enterprise Mfg. Co. of  
 Penn. (Vegetable; Fruit)  
 .....AAAA  
**TENN.—Johnson City**  
 Johnson City Fdy. & Mach.  
 Wks. (Veneer) .....D

**SLICKERS**

**MASS.—Boston**  
 Tower & Co., A. J. ....AA  
**MASS.—Cambridge**  
 Sawyer & Son, H. M. ....B  
**N. J.—Newark**  
 National Saw Co. ....B  
**N. Y.—Buffalo**  
 White Co., L. & I. J. ....A  
**New York City**  
 Standard Oiled Clothing Co.,  
 152nd & Union Av. ....A

**SLICKS**

**CONN.—Seymour**  
 Swan Co., Jas. ....A  
**MASS.—Millbury**  
 Buck Bros. (Carpenters') A  
**N. Y.—Buffalo**  
 White Co., L. & I. J. (Car-  
 penters') .....A  
**New York City**  
 Peck, Stow & Wilcox Co.,  
 27 Murray (Carpenters')  
 .....AAAA

**SLIDES**

**CONN.—New Britain**  
 North & Judd Mfg. Co.  
 (Blanket; Breast Strap;  
 Rein) .....AA  
 Stanley Works (Desk)AAA  
**CONN.—Seymour**  
 Matthews Mfg. Co., H. A.  
 (Damper) .....B  
**ILL.—Chicago**  
 McIntosh Stereopticon Co.,  
 85 Randolph (Lantern) E  
**IND.—Wabash**  
 Walter & Co., B. (Table)D  
**MASS.—Worcester**  
 Hamblin & Russell Mfg. Co.  
 (Wire, Oven) .....B

**SLIDES (Con.)**

**MICH.—Detroit**  
 Parke Davis & Co. (Micros-  
 copical) .....AAAA  
**MICH.—Grand Rapids**  
 Grand Rapids Brass Co.  
 (Desk) .....A  
**MICH.—Northville**  
 Dubuar Mfg. Co., J. A.  
 (Tent) .....X  
**MINN.—St. Paul**  
 Ingersoll, T. W. (Lantern)D  
**New York City**  
 Colt & Co., J. B. (Magic  
 Lantern) .....B  
 Folmer & Schwing Mfg. Co.  
 (Magic Lantern) .....B  
 McAllister, T. H. (Magic  
 Lantern) .....B  
**N. Y.—Syracuse**  
 Stearns & Co., E. C. (Breast  
 Strap) .....AA  
**OHIO—Cleveland**  
 Fanner Mfg. Co. (Hame  
 Strap) .....A  
**OHIO—Dayton**  
 Dayton Table Slide Co.  
 (Table) .....O  
**OHIO—Youngstown**  
 Finished Steel Co. (Eleva-  
 tor Shape) .....A  
**PA.—Philadelphia**  
 Briggs, C. W. (Magic  
 Lantern) .....E  
**PA.—Pittsburg**  
 Ingersoll Construction Co.,  
 307 4th Av. (Toboggan)B  
**WIS.—Watertown**  
 Watertown Table Slide Co.  
 (Table) .....E

**SLINGS**

**ILL.—Harvard**  
 Hunt, Helm Ferris & Co.  
 (Hay) .....AA  
**ILL.—Ottawa**  
 Porter Co., J. E. (Centre  
 Trip Hay) .....A  
**IND.—Goshen**  
 Goshen Mfg. Co. (Hay) .B  
**IOWA—Fairfield**  
 Loudon Mchry. Co. (Hay) O  
**MICH.—Detroit**  
 Byram & Co. (Chain) ....D  
**N. Y.—Rochester**  
 Kicker Mfg. Co. (Hay) .E  
**OHIO—Akron**  
 Whitman & Barnes Mfg. Co.  
 (Hay) .....AAAA  
**OHIO—Ashland**  
 Myers & Bro., F. E. (Hay)  
 .....AAAA  
**OHIO—Canton**  
 Ney Mfg. Co. (Hay) ....B  
 Ney Co., V. L. (Hay) ....O  
**PA.—Philadelphia**  
 Paxson Co., J. W. (Rope for  
 lifting Hasks) .....AA  
**TENN.—Memphis**  
 Rodley Wagon Co. (Cane) A  
**WIS.—Janesville**  
 Rock River Machine Co.  
 (Hay) .....D  
**WIS.—Milwaukee**  
 Milwaukee Hay Tool Co.  
 (Hay) .....A

**SLIPPERS**

See Boots &amp; Shoes

**SLITTERS**

See also Machy

**CONN.—Ansonia**  
 Farrell Foundry & Machine  
 Co. (Rubber Belt) AAAA  
**CONN.—Derby**  
 Birmingham Iron Foundry  
 (Rubber Belt) .....AA  
**ILL.—Chicago**  
 Board-Crosby Co., 176 So.  
 Clinton (Power) .....X  
**MO.—St. Louis**  
 Amer. Roll Paper Co. ....B  
**N. J.—Salem**  
 Ayars Machine Co. (Can  
 Body) .....B  
**N. Y.—Amsterdam**  
 Inman & Amer. Box Ma-  
 chine Co. (Envelope  
 Band) .....AA

**SLITTERS (Con.)**  
**N. Y.—Rochester**  
 Knowlton Co., M. L. (Card-board) .....AA  
**OHIO—Hamilton**  
 Black & Clawson Co. AAA

## SLOTTERS

See also Machy  
**CONN.—Bridgeport**  
 Grant Mfg. & Machine Co.  
 (Bench, Screw) .....E

## SLUGS

**ILL.—Chicago**  
 Barnhart Bros. & Spindler  
 (Printers') .....AA

## SLUNG SHOTS

See Catapults

## SMALT

**ILL.—Chicago**  
 Central Commercial Co. ..C  
**N. Y.—Brooklyn**  
 Wiarda & Co., John C. AA  
 New York City  
 Longman & Martinez...AAA  
 Tiemann & Co., D. F. ....A

## SMELTERS

**PA.—Allegheny**  
 Pittsburg Clay Pot. Co.  
 (Enamel) .....AA

## SMOKERS

**CAL.—Petaluma**  
 Petaluma Incubator Co.  
 (Bee) .....B  
**OHIO—Cincinnati**  
 Muth, Mrs. Anna (Bee) ..F  
**IOWA—Red Oak**  
 Kretschmer Mfg. Co. (Bee)C  
**MICH.—Farwell**  
 Bingham, T. F. (Bee) ..A  
**OHIO—Medina**  
 Root Co., A. I. (Bee) AA

## SMOKESTACKS

See also Stacks

**CAL.—Sacramento**  
 Schaw-Batcher Co. ....A  
**IOWA—Waterloo**  
 Tallerdar Steel Pipe &  
 Tank Co. ....C  
**N. J.—Paterson**  
 East Jersey Pipe Co. ....B  
 New York City  
 Koven & Bro., L. O., 50  
 Cliff .....A  
**PA.—Pittsburg**  
 Scaife & Sons Co., Wm. B.  
 AAA

## SMOOTHERS

**MICH.—Detroit**  
 Anderson & Sons, W. H.  
 (Asphalt) .....C  
 New York City  
 Sheridan, T. W. & C. B.  
 (Bookbinders' Case) ...A  
**PA.—Harrisburg**  
 Hickok Mfg. Co., W. O.  
 (Bookbinders' Case) ...AA

## SNAPS

**CONN.—Bridgeport**  
 Bridgeport Chain Co. (Halter Harness) .....A  
**CONN.—Hartford**  
 Billings & Spencer Co.  
 (Halter Harness) ...AA  
**CONN.—New Britain**  
 North & Judd Mfg. Co.  
 (Strap Buckle; Halter; Harness) .....AA  
**MASS.—Westfield**  
 Bay State Whip Co. (Br. U. S. Whip Co.) (Whip)AAA  
 U. S. Whip Co. (Whip)AAA  
**MASS.—Worcester**  
 Wire Goods Co. (Safety Lock, Wire) .....A

## SNAPS (Con.)

**N. J.—Newark**  
 Jenkinson & Co., R. C.  
 (Halter, Harness) ...AA  
 Marson, Arthur (Jewelers')  
 F  
 Taylor, Wm. H. (Jewelers')  
 F  
**N. Y.—Kenwood**  
 Oneida Community (Ltd.)  
 (Halter, Harness) ...AAA  
 Sargent & Co., 151 Leonard  
 (Halter, Harness) AAAA  
**N. Y.—West Troy**  
 Covert Mfg. Co. (Halter, Harness) .....A  
**N. Y.—Windsor**  
 Coburn Whip Co. (Whip) AAA  
**OHIO—Cleveland**  
 Eberhard Mfg. Co. (Breeching) .....AA

## SNATHS

**IND.—Anderson**  
 Fisher, Thos. C. ....C  
**IND.—Seymour**  
 Seymour Mfg. Co. ....B  
**IOWA—Fort Madison**  
 Iowa Farming Tool Co. ...A  
**MICH.—Jackson**  
 Withington & Cooley Mfg. Co. ....AA  
**OHIO—Cleveland**  
 American Fork & Hoe Co. AAAA  
**OHIO—Columbus**  
 Brown, Hinman & Hunting-ton Co. ....A  
**VT.—Bellows Falls**  
 Derby & Ball .....B

## SNIPS

See also Shear; Scissors

**CONN.—Bridgeport**  
 Acme Shear Co. (Tinners')B  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co.  
 Tinners'; Cotton Bale) AAAA  
**N. J.—Newark**  
 Heinischs Sons Co., R.  
 (Tinners') .....A  
 Wiss & Sons, J. (Tinners')A  
**N. Y.—Buffalo**  
 Buffalo Dental Mfg. Co.  
 (Dental) .....C  
 Niagara Mach. & Tool Wks.  
 (Tinners') .....AAA  
 West Mfg. Co. (Tinners') D  
 New York City  
 Peck, Stow & Wilcox Co.,  
 27 Murray (Cotton Bale)  
 AAAA  
**OHIO—Fremont**  
 Clauss Shear Co. (Dental)  
 AAA  
 Herbrand Co. (Tinners') .B  
**PA.—Philadelphia**  
 National Cutlery Co., 3rd &  
 Lehigh Av. (Dental) ...C

## SNUFF

**ALA.—Birmingham**  
 McNamara-Lord Co. ....C  
**ILL.—Galesburg**  
 Peterson, N. ....A  
**MD.—Baltimore**  
 Starr & Co., R. ....C  
**MICH.—Detroit**  
 Scotten-Dillon Co., Fort W.  
 & Campan. ....AAAA  
 Williams-Davis-Brooks &  
 Hinchmans Sons, 26 Congress E. ....AA  
**N. J.—Helmetta**  
 Helme & Co., G. W., (Br. Amer. Snuff Co.) .AAAA  
**N. J.—Jersey City**  
 Goetze & Bro. Co., F. A. D  
 Laneland Co., P. ....AAAA  
**N. J.—New Brunswick**  
 Parsons, J. M. ....B  
 New York City  
 American Snuff Co., 111  
 5th Av. ....AAAA  
 American Tobacco Co., 509  
 W. 22nd .....AAAA  
 Scharlin & Son, S., 110  
 Division .....C

**SNUFF (Con.)**Weyman & Bro., 11 Bway. **A****N. C.—Durham**Morris & Son, R. F. .... **B****PA.—Philadelphia**Garrett & Sons, W. E. .... **AAA**Weyman & Bro. .... **AA****PA.—Pittsburg**

Weyman &amp; Bro., 1112 Park

Bldg. .... **A****TENN.—Clarksville**

Meriweather Snuff &amp; Tobac-

co Co. .... **A**Stewart Snuff Co. .... **A**Standard Snuff Co. .... **A****VA.—Petersburg**Venable & Co., W. L. .... **A****SNUFFLES****CONN.—New Britain**North & Judd Mfg. Co. .... **AA****SOAKERS:****BOTTLE**

See Machinery

**SOAP****ALA.—Birmingham**Bremer, W. P. .... **AA****CAL.—Berkeley**Standard Soap Co. .... **AA****CAL.—Los Angeles**Los Angeles Soap Co. .... **AA****CAL.—Sacramento**Sacramento Soap Co. .... **O****CAL.—San Francisco**Everding & Co. J., 48 Clay **A**

Fishbeck Soap Co., 214

Sacramento .... **A**

Horstman, John, 667 Bry-

ant (Wash Powder) .... **B**Lucy & Co., 123 Calif .... **A**

Lukin &amp; Co., O., 117

Diamond .... **O**

Mission Soap &amp; Candle Co.,

16-1 .... **B**Newell & Bros., 217 Davis **B****N. E. Soap Co., 214 Sacra-**mento .... **A**(Wash Compound) .... **AAAA**

Pioneer Soap Co., 220 Calif

(L.; T.) .... **B****San Fran. Candle Co., 402**Front .... **A**

Seidel, F. E., 1779 San

Bruno Av. .... **O**

Standard Soap Co., 113 Sac-

ramento .... **AA****CAL.—Stockton**Williams & Moore .... **X****COLO.—Denver**Dunwoody Bros. Soap Co. **B**Geyserite Soap Co. .... **A****CONN.—Bridgeport**Fairchild & Shelton .... **AA****CONN.—Clinton**

Pratt Chemical Co.

(Toilet) .... **A****CONN.—Glastonbury**

Williams Co., J. B. (Toilet;

Laundry; Shaving) .... **A****CONN.—Middletown**Allison Bros. .... **O****CONN.—New Britain**Taplin Mfg. Co. (Toilet) **D****CONN.—New Haven**

Elm City Mfg. Co., 379 State

**O**Hemingway & Co., L. R. **O****DEL.—Wilmington**Kelly & Co. .... **B****D. C.—Washington**

Weaver, Kengla &amp; Co., 3244

K. N. W. .... **B****FLA.—Jacksonville**Florida Soap Co. .... **B****GA.—Atlanta**Carlton Co., Jas. .... **B**Georgia Soap Co. .... **O**Trepoline Mfg. Co. .... **O****GA.—Macon**McCaw Mfg. Co. .... **AAA****GA.—Savannah**Juehter, J. .... **O****ILL.—Aurora**Shedd, O. N. .... **B****ILL.—Chicago**

Armour Soap Works, 205

**SOAP (Con.)**

Lasalle (Toilet; Laundry)

**AAAA**

Atwood &amp; Steele, 18 River

(Toilet) .... **O**

Babbitt, B. T., 37 N. State

Soap; Powder) .... **AAAA**

Burr &amp; Co., David, 125

Indiana (Toilet) .... **O**

Colgate &amp; Co., 56 5th Av.

**AAA**

Conkling Chemical Co., 96

Erie Av. .... **AA**

Cosmo Buttermilk Soap Co.,

315 Dearborn .... **B**

Crofts &amp; Reed, 842 Austin

Av. .... **O**

Fairbanks Co., N. K. (Soap

Powder; Laundry; Wash

Compound) .... **AAAA**

Fitzpatrick Co., J., 424 W.

Canal .... **B**

Geyserite Soap Co., 13 S.

Center Av. .... **A**

Globe Soap Co., 21 River

Br. Cinn O.) .... **A**

Graham Bros. &amp; Co., 421

W. Lake (Toilet) .... **A**

Jergens &amp; Co., A. 171

Randolph .... **AA**

Kendall Mfg. Co., 260 W.

Van Buren (Soap Powder)

**AAA**

Kirk &amp; Co., Jas. S., 360

W. Water (Laundry;

Toilet) .... **AAA**

Liberty Mfg. Co., Kingsbury

& Superior .... **A**Nelson Mfg. Co., 12 State **B**

Pacific Coast Borax Co.,

Ashland Bk. .... **AAAA**

Schmidt &amp; Co., G. A., 405

North Av. .... **O**

Strong &amp; Co., C. H., 218

Washg (Arnica; Tooth) **D**

Swift &amp; Co., Union Stock

Yards .... **AAAA**

Turner Co., C., 39th &amp; Iron

**B**

Wrisley Co., A. B., 477 5th

Av. (Toilet; Laundry) .... **A****ILL.—Monmouth**Maple City Soap Works .. **B****ILL.—Pearia**Mexican Amole Soap Co. .... **O****ILL.—Quincy**Flacks & Co. .... **O****ILL.—Rock Island**Warnock & Ralston .... **B****ILL.—Springfield**

Zwicky's Sons, M. (Toilet;

Laundry) .... **B****IND.—Evansville**Melzer Bros. (Toilet) .... **A****IND.—Ft. Wayne**Berghoff, G. A. .... **O**Summit City Soap Works **O****IND.—Gothen**

Cosmo Buttermilk Soap Co.

**B****IND.—Indianapolis**

Kingman &amp; Co. (Laundry

Chip) .... **AAAA**

Williams, W. M., 448 S.

Meridian .... **A**Williams & Hunt .... **A****IND.—Lafayette**Schnaible, M. & J. .... **B****IND.—Logansport**Heppe & Sons, W. .... **O**

Lynas &amp; Sons, J. B. (Toilet)

**O****IND.—Michigan City**Union Soap Works .... **O****IND.—Wabash**Spricker & Rees Co. .... **B****IOWA—Burlington**

Iowa Soap Co. (Inc.)

(Toilet; Laundry) .... **O****IOWA—Des Moines**Prouty Barber Soap Co. .... **O****IOWA—Dubuque**

Beach &amp; Sons, Jas. (Laun-

dry; Powder) .... **A****IOWA—Iowa City**Nelson Mfg. Co. .... **O****IOWA—Marshalltown**Marshall Vinegar Co. .... **O****IOWA—Sioux City**Haskins Bros. & Co. .... **A****KANS.—Kansas City**Morris, Butt & Muller .... **AA**Peet Bros. Mfg. Co. .... **AA**

# SOAP (Con.)

**KANS.—Leavenworth**  
National Soap Co. .... B  
**KANS.—Ottawa**  
Sheldon, E. M. .... C  
**KANS.—Wichita**  
Wichita Soap Mfg. Co.  
(Laundry) .... C  
**KY.—Lexington**  
Allen & Thompson .... A  
**KY.—Louisville**  
Globe Refg. Co. (Laundry;  
Scouring) .... A  
Kentucky Refg. Co.  
(Scouring) .... AAAA  
Louisville Soap Co. (Laun-  
dry) .... AA  
**LA.—New Orleans**  
Fairbank Co., N. K., 430  
Graiver (Br. Chicago, Ill)  
AAAA  
Keeler's Soap Works, 528  
Graiver .... A  
**MD.—Baltimore**  
Armstrong Soap Co. .... AA  
Babbitt, B. T., 39 S.  
Holiday (Br. N. Y. City)  
AAAA  
Fairbanks Co., N. K., 44  
South .... AAAA  
Hoefner & Sons, 403 Exch.  
Place (Laundry; Toilet;  
Scouring; Castile; Powder)  
AA  
Lipps Co., C., Hollins, near  
Calvert Rd. .... A  
Proctor & Gamble Co., 406  
Exch. Pl. .... AAAA  
Resinol Chemical Co.  
(Medicinal) .... B  
**MD.—Salisbury**  
Standard Chemical Co.  
(Scouring) .... B  
**MASS.—Boston**  
Davis & Son, J. G., 200 N.  
Beacon .... C  
Fickin, G. E., 30 Broad B  
Gregory & Co., F. W., 162  
High .... C  
Hanson & Co., P., 218 State  
(Castile) .... C  
Marsh & Co., G. E., 69 Com-  
merce .... A  
Marse & Co., J. F., 66 Nor-  
folk Av. (Laundry) .... C  
Nathan, Jo. J., 71 Prentiss B  
Potter Drug & Chemical  
Corpn. (Medicinal) .... A  
Reardon & Sons, J. (Corpn.)  
24 Commerce .... A  
Schulz & Co., 69 Broad  
(Laundry) .... AAAA  
Spear's Sons Co., Alden  
(Laundry) .... AA  
Whitney, E. W., 59 Long  
Wharf (Powder Castile) C  
Wing, Mitchell Co., 111  
Broad .... C  
**MASS.—Cambridge**  
Davis & Sons, Jas. C. .... C  
Dow & Co., J. C. .... C  
E. Cambridge Mfg. Co. .... A  
Kemp & Son, L. .... C  
Reardon & Sons, John .... A  
Savina Mfg. Co. (Soap  
Powder) .... B  
**MASS.—Haverhill**  
Beach Soap Co. .... B  
**MASS.—Holyoke**  
Abbott, W. H. .... C  
**MASS.—Lawrence**  
Beach Soap Co. .... B  
Glennie & Co., J. .... C  
**MASS.—Lowell**  
Lowell Rendering Co. .... C  
**MASS.—Lynn**  
Marsh & Co. G. E. .... A  
**MASS. Walden**  
Robinson Bros & Co. .... AA  
Robinson, Willard .... C  
**MASS.—New Bedford**  
Herson & Co., Thos. .... B  
Robinson & Co., W. A.  
(Whale Oil) .... B  
**MASS.—Somerville**  
Norton, G. W. .... C  
**MASS.—Springfield**  
Bartlett & Holmes .... C  
Castle, W. A. .... B  
Fisk Mfg. Co. (Laundry;  
Mill) .... B  
**MASS.—Worcester**  
Albertson, W. R. (Harness)  
A

# SOAP (Con.)

**MICH.—Detroit**  
Babbitt, B. T., 83 Shelby  
AAAA  
Detroit Soap Co., Foot  
Leib (Laundry) .... A  
Parke, Davis & Co.  
(Medicinal) .... AAAA  
Schuette Soap Co., 945  
River (Laundry) .... B  
Sylvan Toilet Co., Foot W.  
& Trumbull Av. .... E  
**MICH.—Grand Rapids**  
Challenge Soap Co. .... B  
**MICH.—Houghton**  
Lake Superior Soap Co. C  
**MICH.—Jackson**  
Central City Soap Co. .. A  
**MICH.—Saginaw**  
Passolt, Henry .... B  
**MINN.—Duluth**  
Elliot & Co., H. R. .... C  
**MINN.—Minneapolis**  
Armour Soap Works, 219 N.  
5th .... AAAA  
Kleansall Soap Co. .... A  
Minnesota Soap Co., Bk. of  
Commerce Bldg. .... A  
Northwestern Soap Co.  
(Laundry; Toilet) .... D  
**MINN.—St. Paul**  
Minnesota Soap Co. .... A  
Proctor & Gamble Co. AAAA  
**MO.—Kansas City**  
Clark & Co., H. H. .... A  
Cudahy Packing Co. .... AAAA  
Morris, Butt & Miller .... AA  
Peet Bros. Mfg. Co. (Toilet)  
AA  
**MO.—Poplar Bluff**  
Arbor Oil Chemical Co. .. C  
**MO.—St. Louis**  
Bell Mfg. Co., 943 N. 2nd  
(Scouring) .... B  
Fairbank Co., 3rd & Convent  
AAAA  
Haas Soap Co., J. J., 5020  
Benedict Av. .... A  
Hygienic Chemical Co., 518  
N. Main .... A  
Schaeffer Bros. & Powell  
Mfg. Co., 325 N. 2nd  
(Toilet) .... A  
Tripollum Soap Co., 411  
Olive .... B  
Walke & Co., W. H., 2nd  
near E. Grand Av. .... AA  
**NEBR.—Omaha**  
Cudahy Packing Co. AAAA  
Haskins Bros. & Co. .... A  
Proctor & Gamble Co. .... AAAA  
**NEBR.—So. Omaha**  
Cudahy Packing Co. AAAA  
**N. H.—Dover**  
Beach Soap Co. .... B  
**N. H.—Manchester**  
Holt & Co., J. S. .... C  
**N. H.—Portsmouth**  
Freeman, H. J. .... C  
**N. J.—Camden**  
Baxter's Sons, J. .... C  
Camden & Phila. Soap Co.  
A  
Dobbins Soap Mfg. Co. AA  
**N. J.—Gloucester**  
Baxter's Sons, J. .... C  
**N. J.—Hoboken**  
Stenken & Sons, A. .... A  
**N. Y.—Jersey City**  
Colgate & Co. .... AAA  
Oakley Soap & Perf. Co. C  
**N. Y.—Newark**  
Babbitt, B. T., 667 Broad  
AAAA  
Brown & Co., D. S., 100  
Bank .... AAA  
Peters Harness & Saddlery  
Co. (Harness) .... C  
**N. Y.—Albany**  
Mendleson & Sons, A  
(Powdered) .... A  
**N. Y. Brooklyn**  
Baar Bros., 102 Rihardson  
(Laundry) .... C  
Babbitt, B. T., 699 Bway  
(Laundry) .... AAAA  
Brown & Co., D. S., 33  
Thornton .... AAA  
Chesebrough Mfg. Co.,  
Delevan & Dwight .... AAA  
Columbia Chemical Works  
(Ammonia Laundry) ... B  
Gill Soap Co., 711 Kent Av.

# SOAP (Con.)

(Borax) ..... B  
 Kirkman & Son, 227 Water  
 (Laundry) ..... AA  
 Rutherford & Barnes, 400  
 Driggs Av. (Laundry) .. B  
 M. Y.—Buffalo  
 Baker & Co., H. H. .... B  
 Erie Preserving Co., 941 N.  
 Ferry ..... AA  
 Faxon, Williams & Faxon,  
 399 Main ..... A  
 Gowans & Sons, 213 Chicago  
 AA  
 Harris Jabesh Mfg. Co., 5  
 Stetson ..... B  
 Hoefner Sons, A. .... A  
 Larkin Soap Mfg. Co. AA  
 Lantz Bros. & Co. .... AAA  
 M. Y.—Cohoes  
 Amer. Soap & Washholme  
 Co. .... B  
 M. Y.—Elmira  
 White, J. Frank ..... B  
 M. Y.—Newburgh  
 Belknap, W. C. .... B  
 Granite City Soap Co.  
 (Laundry; Toilet) .... O  
 New York City  
 Amer. Cotton Oil Co. (Cot-  
 ton Seed Oil) .... AAAA  
 Amer. Soap Co., 78 Murray  
 AA  
 Archibald & Lewis (Castile)  
 O  
 Atlas Soap Co., 81 Beach O  
 Babbitt, B. T., 82 Washn  
 AAAA  
 Bon Ami Co., 10 Battery  
 Place ..... A  
 Brown & Co., D. C., W. 51st  
 AAA  
 Carbolie Soap Co., 280  
 Pearl (Laundry; Medicinal;  
 Toilet; Dog; Animal; Dis-  
 infecting) ..... O  
 Caswell, Massey & Co.  
 (Tar) ..... X  
 Colgate & Co., 55 John  
 (Toilet; Laundry) .... AAA  
 Condon & Co., T. F., 220  
 Bway ..... C  
 Daggett, W. H., 383 W. 12th  
 O  
 Fairbank Co., N. K. Prod.  
 Exch. .... AAAA  
 Fay Bros., 92 Monroe .. AA  
 Gaunt & Janvier, 365 Canal  
 B  
 Gross & Co., A., 75 Murray  
 AA  
 Holbrook Mfg. Co., 470  
 Washn. (Toilet) ..... B  
 Jergens & Co., A., 365 Bway.  
 AA  
 Jones Chemical Co., 51 Jay  
 B  
 Manhattan Soap Co., 550 W.  
 56th ..... A  
 Miller Co., Frank (Harness)  
 A  
 Moore Co., 288 Greenwich C  
 Morgan's Sons, E., 439 West  
 AA  
 N. Y. Soap Works, 6 Des-  
 broses (Castile Chips) B  
 Nordlinger, J. D., 77  
 Chambers ..... AA  
 Pacific Coast Borax Co., 100  
 William ..... B  
 Packer Mfg. Co., 81 Fulton  
 (Toilet) ..... B  
 Palmer Solon (Toilet) ... D  
 Pinner, W. H., 521 W. 30th  
 (Medical) ..... B  
 Pyle & Sons, Jas., 436  
 Greenwich (Pealine) .. A  
 Recamier Mfg. Co. (Toilet)  
 D  
 Reichhend & Sons, 539 W  
 43rd ..... C  
 Ricksecker Co., Theo. (Ani-  
 mal; Shaving; Toilet) O  
 Rohe & Bro., Produce Ex-  
 change ..... AAA  
 Rosenblatt & Co., 6  
 Desbrosses ..... C  
 Schultz & Co., 105 Hudson  
 AAAA  
 Seabury & Johnson  
 (Medicinal) ..... AA  
 Smith, Chas. W. (Est.) 119  
 Elizabeth ..... AA  
 Stanley, J. T., 650 W. 30th  
 AA

# SOAP (Con.)

Starace, Achille, 76 Pearl  
 B  
 Tomson & Co., P. C., 114  
 5th Av. (Laundry) AAAA  
 Troy Laundry Mich Co., 33  
 Warren ..... AA  
 N. Y.—Poughkeepsie  
 Scott & Co., W. E. .... B  
 M. Y.—Rochester  
 Rochester Chemical Co. .. B  
 M. Y.—Rome  
 Rome Soap Mfg. Co. .... B  
 M. Y.—Syracuse  
 Finn's Sons, G. .... B  
 N. Y.—Troy  
 Troy Laundry Machy. Co.  
 AA  
 OHIO—Canton  
 Biechele Soap Co., Jas.  
 (Laundry; Toilet; Castile)  
 A  
 OHIO—Cincinnati  
 Babbitt, B. T., 304 Race  
 AAAA  
 Colgate & Co., Neave Bldg.  
 AAA  
 Eureka Soap Wks., 2261 Sp.  
 Grove ..... A  
 Globe Soap Co., 121 E.  
 Water ..... A  
 Hall Capsule Co. (Toilet)  
 D  
 Hunnewell H. G. 1606  
 Plumb (Powd.) ..... B  
 Jergens & Co., A., Sp. Gar-  
 den & Alfred ..... AA  
 Lease Soap Co., 41 Race A  
 Long, J. M., Co., 309 E. 2nd  
 C  
 Proctor & Gamble Co.,  
 United Bk. Bldg. AAAA  
 Remmers Soap Co., 1456  
 Harrison Av. .... C  
 Themann Anton, 113 N.  
 Canal ..... B  
 Waters Laundry Supply Mfg.  
 Co. .... B  
 Werk Co., M., 411 Poplan  
 AA  
 OHIO—Cleveland  
 Buchan Soap Co., Leonard  
 & Hume ..... C  
 OHIO—Columbus  
 Janton & Co., Fred ..... B  
 Janton & Sons, G. .... B  
 Ross, Thos. .... C  
 OHIO—Dayton  
 Beaver Soap Co. .... AAAA  
 Brown Soap Co. .... C  
 Davies, J. P. .... B  
 Hewett Bros. Soap Co. .. B  
 OHIO—Findlay  
 Happer & Co., O. H. .... B  
 OHIO—Ironton  
 Wiehl Soap Co. .... C  
 OHIO—Newark  
 Styron Briggs & Co. .... A  
 OHIO—Toledo  
 Bell & Co., L. W. .... C  
 OHIO—Washn. C. H.  
 Ludlow Soap Mfg. Co. .... B  
 OHIO—Zanesville  
 Schultz & Co. .... AAAA  
 OREGON—Oregon City  
 Oregon City Soap Wks. ... AA  
 OREGON—Portland  
 Luckel King & Cake Soap  
 Co. .... B  
 Portland Soap & Chemical  
 Co. .... C  
 PA.—Allegheny  
 Hasley & Sons, Geo. .... A  
 Walker, W. & H. .... AAAA  
 PA.—Bethlehem  
 De Journo Bros. Co. (Silk) E  
 PA.—Chester  
 Rocver Co., Hy ..... A  
 PA.—Darby  
 Thayer-Harvey Soap Co.  
 (Naptha) ..... B  
 PA.—Lancaster  
 Penns. Soap Co. .... AA  
 PA.—McKeesport  
 Patterson, Warren & Co. C  
 PA.—Philadelphia  
 Babbitt, B. T., Co. 9th &  
 Jeff ..... AAAA  
 Champion & Co., J. W.  
 (Toilet) ..... D  
 Colgate & Co., 700 Arch  
 AAA  
 Day & Frick, 1760 N. Ho-  
 ward ..... B

**SOAP (Con.)**

Dobbins Soap Mfg. Co., 119 S. 4th (Laundry) .....AA  
 Eavenson & Sons, J., 320 N. 20th .....A  
 Becker & Co., 2111 E. Susq. Av. ....B  
 Elkinton, J. S. & T., 121 So. 3rd .....A  
 Fels & Co., 73rd & Woodland (Toilet; Laundry) A  
 Hamilton & Son, R., 709 Tasker .....C  
 Kendall Mfg. Co., 1207 Fairmount Av. ....AAA  
 Kirk & Co., J. S., 207 S. Front .....AAA  
 Kranskopf, L., 430 N. 3rd B  
 Lantz Bros. & Co., 18 S. Front (Laundry) .....AAA  
 Leberman & Son, A. 2229 No. 12th .....B  
 Lever Bros., 2314 Wood .....AAA  
 Mason Chemical Co., 515 Arch (Animal) .....B  
 Miller, C. F., 45 N. Front (Toilet) .....A  
 Parker, Oliver 1095 G'town Av. ....B  
 Reiner & Rees, 1631 North B  
 Schultz & Co., 2 S. Front (Laundry) .....AAAA  
 Taylor Milne Co., 23 S. Front .....B  
 Thayer & Co., P. W., 23 S. Front .....B  
 Tomson & Co., P. C. 25.... Wash Av. ....AAAA  
 Tully, James, 179 Washn. A  
 Vail Bros. (Toilet) .....C  
 Warren Soap Mfg. Co., 118 Chestnut .....B  
 Wrigley Mfg. Co., 4478 Green .....B  
 Young & Co., O. W., 1251 N. 26th .....B  
**PA.—Pittsburg**  
 Babbitt, B. T., 414 Liberty Av. ....AAAA  
 Fairbank, N. K. Co., McCance Bk. ....AAAA  
 Pittsburg Soap Co., 23rd & Josephine .....A  
 Stunz & Son, S., 716 Bingham .....C  
 Walker, W. & H. (Laundry) AAAA  
 Wilson & Gorman, 543 4th Av. ....A  
**PA.—Reading**  
 Leaman, W. K. ....C  
**PA.—Stony Creek Mills**  
 Hunter & Co., No. D. (Laundry; Castile) ....A  
**PA.—Titusville**  
 Natl. Soap Works .....B  
 Rice Soap Co. ....C  
**PA.—Warren**  
 Warren Specialty Co. ....B  
**PA.—Wilkesbarre**  
 Ahlborn Bros. ....B  
 Bauer, Frank .....C  
**PA.—Williamsport**  
 Thrall & Co., F. R. ....B  
**PA.—York**  
 Rupp, D. ....B  
 R. I.—Pawtucket  
 Draper & Co., J. O. ....B  
 Perry Oil Co. (Harness) ..C  
 R. I.—Providence  
 Kendall Mfg. Co. (Powder) AAA  
 Place Mfg. Co., W. H. B  
 Union Oil Co. (Cotton Seed Oil) .....AAA  
 Woodley Soap Mfg. Co. ...C  
 S. C.—Charleston  
 Palmetto Soap Mfg. Co. ...C  
 Stoen, W. J. ....C  
 S. C.—Chattanooga  
 Scholze Bros. & Co. ....A  
 Steward Mfg. Co., D. M. B  
 S. C.—Nashville  
 Cassett Oil Co. ....B  
 Enterprise Soap Works ...A  
**UTAH—Salt Lake City**  
 Utah Soap Co. ....C  
**VT.—Bennington**  
 Adams Co., E. ....C  
**VA.—Richmond**  
 Crew & Co., P. J. ....C  
**WASH.—Seattle**  
 Seattle Soap Co. ....C

**SOAP (Con.)**

**W. VA.—Parkersburg**  
 Upson Oil & Soap Co. (Laundry; Toilet) .....B  
**WIS.—Green Bay**  
 Green Bay Soap Co. ....C  
**WIS.—Kenosha**  
 Charles, J. H. ....C  
**WIS.—Marinette**  
 Marinette Soap Co. ....C  
**WIS.—Milwaukee**  
 Crystal Soap Co., 56 5th Av. C  
 Delaney Oil & Lubricant Co. (Laundry) .....X  
 Johnson Soap Co., 4th & Fowler .....A  
 Sercomb Mfg. Co., O. A., 52 3rd .....AA  
 Trenkamp & Co., F., 209 Mich. ....C  
 Wadhams Oil & Grease Co., 211 National Av. ....B  
**WIS.—Sheboygan**  
 Aladdin Soapp Co. ....C

**SOAPSTONE**

**ILL.—Chicago**  
 Barrett & Co., M. L., 219 Lake .....A  
**MASS.—Boston**  
 Bowker Toirev & Co. ...AA  
 Troy Bros. & Co., 91 Haverhill .....C  
 Union Soapstone Co., 14 Marshall .....C  
**New York City**  
 Alberene Soapstone Co., 393 Pearl .....B  
 Hammell & Gillespie, 240 Front .....A  
 Pettit Chemical Co. ....B  
**N. Y.—Marietta**  
 Fairfax Soapstone Co. ....F  
**PA.—Easton**  
 Williams & Co., C. R. ...A  
**PA.—Philadelphia**  
 Wetherill Co., S. P., 925 Chestnut .....B  
**PA.—Pittsburg**  
 McCormick Co., J. S. ....B  
**VT.—Chester Depot**  
 Amer. Soapstone Finish Co. (Concrete Dressing) ....F  
**VT.—Ludlow**  
 Francetown Soapstone Finish Co. ....B  
**VT.—Pittsfield**  
 New England Talc Co. ...D  
**VA.—Schuyler**  
 Virginia Soapstone Co. Kitchen Sinks; Laundry Tubs; Slabs; Hearths, etc.)...B

**SOCKETS**

See also Hardware; Carriage

**CONN.—Bridgeport**  
 Bryant Electric Co. (Electric Lamp) .....B  
 Hubbell, Harvey (Incandescent Lamp) .....D  
 Perkins Electric Switch Mfg. Co. (Electric Lamp) ....B  
**CONN.—Danielsonville**  
 Scott, E. W. (Whip) ....C  
**CONN.—Hartford**  
 Billings & Spencer Co. (Drill) .....A  
**CONN.—Mount Carmel**  
 Woodruff & Sons, Walter W. (Pole) .....A  
**CONN.—New Britain**  
 Corbin, P. & Y. (Sash) AAAA  
**CONN.—New Haven**  
 Cowles & Co. (Inc.) (Canopy; Whip) .....A  
 Fitch Co., W. E. & T. (Whip) .....AA  
 Hoggson & Pelks Mfg. Co. A  
 Seward & Son, M. (Canopy) A  
**CONN.—Stamford**  
 Yale & Towne Mfg. Co. (Sash) .....AAAA  
**CONN.—Worcester**  
 Fowler & Co. (Curtain Rod) B  
**ILL.—Chicago**  
 Burdett-Rowntree Mfg. Co., 85 W. Jackson Bnld'd (Incandescent Lamp Ball) .C

**SOCKETS (Con.)**

**IND.—Indianapolis**  
Automatic Grip Neck Yoke Co. (Spoke) ..... B

**IND.—Peoria**  
Peoria Electric Mfg. Co. (Electric Lamp) ..... A

**IOWA.—Sioux City**  
Electrical Supply Co. (Incandescent Lamp) ..... E

**MASS.—Boston**  
Bernstein Elect. Mfg. Co. 288 Roxbury (Electric Lamp) ..... B

**MASS.—New Bedford**  
Morse Twist Drill & Mach. Co. (Drill) ..... AAA

**MASS.—South Boston**  
Gilmore Electric Co. (Incandescent Lamp) ..... A

**MASS.—Taunton**  
New Process Twist Drill Co. (Drill) ..... E

**MASS.—West Somerville**  
New England Elec. Mfg. Co. (Incandescent Lamp) E

**MO.—St. Louis**  
Leschen & Sons, Rope Co. (Wire Rope) ..... AA

**N. J.—Newark**  
Searless Mfg. Co. (Whip) .B

**N. Y.—Auburn**  
Clapp Mfg. Co., E. D. (Canopy) ..... A

**N. Y.—Binghamton**  
Crandall Stone & Co. (Bow; Canopy) ..... A

**N. Y.—Brooklyn**  
Williams & Co., J. H. (Wire Rope) ..... AA

**N. Y.—Buffalo**  
Keystone Mfg. Co. (Drill; Wire Rope) ..... C

**Pratt & Letchworth (Whip)** AA

**New York City**  
Estes & Sons, E. B., 45 John (Whip) ..... AA

**Etna Mfg. Co., 253 Bway.** (Drill) ..... D

**Johns-Manville Co., H. W.** (Electric Lamp) .AAAA

**Judd & Co., H. L.** (Carpet Pins; Pole; Window Rod) X

**Kinsman Electric & Railway Supply Co., 91 Liberty** (Electric Lamp) ..... C

**Metal Stamping Co. (Bow; Whip)** ..... B

**Peck, Stow & Wilcox Co., 27 Murray (Whip)** AAAA

**Tiebout, N. & J., 118 Chambers** (Hay Pole) ..... B

**N. Y.—Niagara Falls**  
Oneida Community (Ltd.) (Drill) ..... AAA

**N. Y.—Rochester**  
Crescent Elect. Mfr. Co. (Waterproof Incandescent Lamp) ..... F

**N. Y.—Schenectady**  
General Electric Co. (Incandescent Lamp) AAAA

**N. Y.—Syracuse**  
Crouse-Hinds Elec. Co. (Waterproof Incandescent Lamp) ..... A

**Pass & Seymour (Electric Lamp; Porcelain Incandescent Lamp)** ..... A

**OHIO—Cincinnati**  
Cincinnati Screw & Tap Co. (Drill) ..... B

**OHIO—Cleveland**  
Cleveland Hdw. Co. (Canopy) ..... A

**Cleveland Twist Drill Co.** (Drill) ..... A

**Standard Tool Co., 1260 Central Av. (Drill)** AAA

**Topliff Mfg. Co. (Bow)** AA

**OHIO—East Liverpool**  
Brunt, G. F. (Incandescent Lamp) ..... B

**OHIO—Elyria**  
Topliff & Ely Co. (Bow) A

**OHIO—Toledo**  
Yost Electric Mfg. Co. (Electric Lamp) ..... D

**PA.—Allegheny**  
Sawyer-Man Electric Co. (Electric Lamp) ..... X

**SOCKETS (Con.)**

**PA.—Mechanicsburg**  
Wilcox Mfg. Co., D. (Canopy) ..... B

**PA.—Philadelphia**  
Paiste & Co., H. T., 8101 Ludlow (Electric Lamp) B

**Pringle, W. T. (Regulating; Incandescent Lamp)** .D

**Stow Flexible Shaft Co., 26th & Callowhill (Drill)** B

**VT.—Barre**  
Trow & Holden (Wire Rope) B

**WIS.—Racine**  
Imperial Bit & Snap Co. (Drill) ..... B

**Racine Malleable & Wrought Iron Co. (Whip)** ..... X

**SODA**

See also next Heading

**COLO.—Denver**  
Hutchinson & Son, Wm. H. (Sal) ..... A

**MD.—Baltimore**  
Baltimore Chrome Wks (Bichromate) ..... AA

**Thomsen Chemical Co.** (Phosphate; Sulphate; Sal; Hypophosphite Caustic; Bi-Carbonated) .B

**MASS.—Boston**  
Cochrane Chemical Co. (Acetate; Bi-Sulphite; Hypo-Sulphite; Sulphate) AA

**Linder & Meyer (Caustic)** A

**Merrimac Chemical (Acetate; Bi-Sulphite; Hypo-Sulphite; Sulphate)** .AA

**MICH.—Bay City**  
North American Chemical Co. (Chlorate) ..... A

**MCH.—Wyandotte**  
Ford Co., J. B. (Washing) A

**Michigan Alkali Co.** (Caustic) ..... AAAA

**MO.—St. Louis**  
Mallinckrodt Chemical Co. (Caustic) ..... AAAA

**N. Y.—Buffalo**  
Schoelkopf, Hartford & Hanna (Chlorate) AAAA

**New York City**  
Battele & Renwick (Nitrate) ..... AA

**Beggs & Co., E. J., 101 Beekman (Dry Bi-Sulphite)** ..... D

**Church & Dwight Co. (Sal)** (Bicarbonate) ..... AAAA

**Colgate & Co. (Sal)** .AAA

**Fries Bros., 92 Reade (Salicylate)** ..... A

**Fuerst Bros. & Co. (Chlorate; Caustic)** ..... D

**General Chemical Co.** (Acetate; Bi-Sulphate; Sulphate; Caustic) AAAA

**Heller, Hirsh & Co.** (Nitrate) ..... AA

**Heyden Chem. Wks., 40 Pine (Salicylate; Benzozate)** ..... A

**Hill's Sons Co., Edw (Bi-Carbonate; Caustic)** .AA

**Jones Chemical Co., Enos F., 51 Jay** ..... C

**Klipstein & Co., A (Hypo-Sulphite; Chlorate; Caustic)** ..... AA

**Kuttruff, Pickhardt & Co.** (Bi-Sulphite; Chlorate; Hypo-Sulphite) ..... A

**Lee & Co., James (Caustic; Sal; Hypo-Phosphate)** .A

**Pyle & Sons, James** ..... A

**Riker, J. S. & D. S.** (Chlorate) ..... A

**Roessler & Hasslacher Chem. Co.** (Acetate; Benzozate; Caustic; Chlorate) .AA

**Selling Co. (The) (Acetate; Bi-Sulphite; Hypo-Sulphite)** ..... C

**Sholes Co., C. E. (Sal)** X

**Williamson & Co., D. D.** 14 Dev (Bi-Carbonate) B

**Wing & Evans (Ash; Caustic; Sal)** ..... AAA

**SODA (Con.)**  
**N. Y.—Niagara Falls**  
 Acker Process Co. (Caustic) D  
**N. Y.—Syracuse**  
 Solvay Process Co. (Caustic; Ash) AAAAA  
**OHIO—Cincinnati**  
 Amer. Chemical Co. (Bicarbonate; Caustic Sal) F  
 Berghausen Chem. Co., The E. (Benzonate) B  
 Winkler & Co., Isaac (Caustic) A  
**OHIO—Cleveland**  
 Clark Co., Fred G. (Caustic) A  
 Grasselli Chemical Co. (Acetate, Bi-Sulphite; Sal; Hypo-Sulphite; Silicate) AAAAA  
 Harshaw, Fuller & Goodwin Co. (Acetate) AA  
**PA.—Philadelphia**  
 Elkinton's Sons, L. M. (Sal) D  
 Harrison Bros. & Co. (Cyanide; Nitrate) AAAAA  
 Keller, Robt. (Bi-Sulphate) D  
 Hempstead & Sons, O. G. (Borate) A  
 Hollingsworth & Peterson (Caustic; Sal) B  
 Kalion Chemical Co. (Bichromate) AA  
 Phila. Quarts Co. (Silicate) AA  
 Pennsylvania Salt Mfg. Co. (Caustic; Sal Ash; Bi-Carb) AAAAA  
 Powers - Weightman-Rosengarten Co. (Bicarbonate; Bi-Sulphate; Sulphate) AAAAA  
**PA.—Pittsburg**  
 Columbia Chemical Co. (Caustic) AAAAA  
**PA.—Finkelt**  
 Hachmeister Chemical Co. (Caustic) D  
**R. I.—Providence**  
 Arnold, Hoffman & Co. (Caustic) AA  
**WIS.—Milwaukee**  
 Diamond Soda Wks. (Bi-Carb.; Cal) AAAAA

## SODA & SALERATUS

**CAL.—San Francisco**  
 Griswold & Co., E., 16th & R. I. B  
 Hortsman, J., 667 Bryant B  
 Kittle & Co., 202 Calif. AAAAA  
 Stauffer Chemical Co., 818 Front AA  
 Schilling & Co., A., 2nd & Folsom AAAAA  
**GA.—Savannah**  
 Moorhouse Mfg. Co. C  
**ILL.—Chicago**  
 Atwood & Steele, 18 River C  
 Barrett & Co., M. L., 219 Lake A  
 Church & Dwight Co., 67 Wabash Av. AAAAA  
 Grant Hygienic Baking Powder Co., 25 So., Desp. B  
 Puhl-Webb Co., 119 W. Randolph C  
**ILL.—Wabash**  
 Wabash Baking Powder Co. B  
**MASS.—Boston**  
 Slade Co., D. & L., 13 India A  
**MICH.—Wyandotte**  
 Ford Co., J. B. AAAAA  
 Mich. Alkali Co. AAAAA  
**MO.—St. Louis**  
 Hygienic Chemical Co. A  
 Waltke & Co., W., 2nd nr. E. Grand AA  
**NEBR.—South Omaha**  
 Cudahy Packing Co. AAAAA  
 New York City  
 Archibald & Lewis, 193 Front C

**SODA & SALERATUS**  
 Babbitt, B. T., 82 Washn. AAAAA  
 Church & Dwight Co., 63 Wall AAAAA  
 Condon & Co., T. F., 230 Bway. C  
 Fuerst Bros. & Co., 2 Stone B  
 Taylor Chemical Co., J. M., 29 Cortlandt A  
 Williamson & Co., D. D., 14 Dey B  
**N. Y.—Syracuse**  
 Church & Dwight Co. AAAAA  
**OHIO—Cleveland**  
 Frasch Process Soda Co. B  
**OHIO—Newark**  
 Styron, Beggs & Co. A  
**PA.—Philadelphia**  
 Elkinton, J. S. & T., 532 N. American A  
 Penn Chemical Works AAAAA  
 Tomson & Co., P. O., 25 Wash. Av. AAAAA  
**TENN.—Nashville**  
 Southern Soda Works A  
**WIS.—Milwaukee**  
 Wadhams Oil & Grease Co., 211 Natl. Av. B

## SODIUM

**MD.—Baltimore**  
 Thomsen Chemical Co. (Ammonium Phosphate) B  
**MO.—St. Louis**  
 Herf & Frerichs Chemical Co. (Saliclate) A  
 New York City  
 Roessler & Hasslacher Chem. Co. (Metallic) AA  
 Williamson & Co., D. D., 14 Dey B  
**PA.—Easton**  
 Baker & Adamson Chemical Co. (Metallic) A

## SOFAS

See also Furniture

**ILL.—Chicago**  
 Revell & Co., Alex. H. (Inc.) AAAAA  
**MASS.—Boston**  
 Davenport, Albert H. AA  
**MASS.—Gardner**  
 Heywood Bros. & Wakefield Co. (Rattan) AAAAA  
 New York City  
 Aimone Mfg. Co. (Bamboo) B  
 Fuldner, Henry D  
 Schwarzwaelder & Co., Wm. (Office) X  
**WIS.—Milwaukee**  
 Kipp Co., B. A. B

## SOFTNERS

**MASS.—Boston**  
 Thayer & Co., E. M., 106 Broad (Cotton) C  
 New York City  
 Arabol Mfg. Co., 155 William (Cotton) A  
**PA.—Philadelphia**  
 Loos & Dilworth, 44 N. Delaware Av. (Cotton) B

## SOLDER

**CAL.—San Francisco**  
 Pacific Metal Works B  
 Selby Smelting & Lead Co. (Bar; Strip; Drop; Wire) AAA  
**COLO.—Denver**  
 Creswell Mfg. Co., Joseph, 1624 Blake A  
**CONN.—Bridgeport**  
 Bridgeport Brass Co. (Brassiers) AAA  
 Rowell & Co., W. G. D  
**CONN.—Hartford**  
 New & Co., J. M. (Gold) C  
**CONN.—New Haven**  
 Graham & Co., Jas. A  
**CONN.—Waterbury**



**SOLDER (Con.)**

Scovill Mfg. Co. (Braziers') AAAAA

**ILL.—Chicago**

Bealy &amp; Co., Chas. H., 15 Clinton .....AA

Blatchford &amp; Co., E. W., 70 N. Clinton .....AA

Great Western Smelting &amp; Refining Co., 173 W. Kinzie .....A

Illinois Smelting &amp; Refining Co., Kinzie &amp; Peoria A

Kramer &amp; Son, H., 401 S. Canal .....E

Krembs &amp; Co., 55 Waldo Pl. (Flux) .....C

Lausten Lead Works (Br. Am. Shot &amp; Lead Co.) 78 Pratt .....AAAA

Raymond Lead Co., 59 W. Lake .....AAAA

**MAINE—Portland**

Lang Co., E. M. (Wire; Drop; Stick; Gold) ....C

**MD.—Baltimore**

Balt. Chemical Co., 13 P. O. Av. (Flux) .....B

Shultz &amp; Co., A., 1016 E. Balto. (Wire; Drop, etc.) A

**MASS.—Boston**

Chadwick-Boston Lead Co., 162 Congress .....AA

Richards &amp; Co. (Inc.) 60 Union .....B

Star Refining Co., 170 Summer .....B

**MICH.—Detroit**

Detroit Lead Pipe &amp; Sheet Lead Works, 57 2d .....A

**MINN.—South Minneapolis**

National Brass &amp; Metal Co., 256 3d Av. ....C

**MO.—St. Louis**

Hiertz &amp; Son, Theo. ....D

Moore-Jones Brass &amp; Metal Co., 3133 Bway .....A

Rumsey Mfg. Co., L. M., 806 N. 2d .....AAA

**N. J.—Jersey City**

Brady Brass Co., 204 10th B

Williams &amp; Son, E. A., 107 Plymouth (Silver) .AAA

**N. Y.—Brooklyn**

McLaughlin's Sons, P., 230 N. 12th .....C

**N. Y.—Buffalo**

Shepard &amp; Co., Sidney, 145 Seneca .....AAAA

**New York City**

American Metal Co., 52 Bway. ....AAA

Ansonia Brass &amp; Copper Co., 99 John (Braziers') AAAAA

Bruce &amp; Cook, 186 Water AA

Columbia Smelting &amp; Refining Works, 307 Water AA

Colwell Lead Co., 63 Centre AA

Grasselli Chemical Co. (Flux) .....AAAA

Green &amp; Co., W., 6 Malden Lane (Gold; Silver) .C

Hendricks Bros., 49 Cliff (Plumbers'; Braziers') AAAAA

Hungerford Brass &amp; Copper Co. U. T. (Coppersmiths') AA

Kahn Bros., 525 E. 19th AA

Lissberger &amp; Co., B., 738 E. 14th (for all purposes) .B

Lissberger &amp; Son, Marks, 397 W. 12th .....B

Nassau Smelting &amp; Refining Works, ft. W. 28th AA

National Lead Co., 100 William .....AAAA

Sanborn, John, 217 Water D

**N. Y.—Rochester**

Clum &amp; Co., P. A., 18 Fay C

Rochester Lead Works, 382 Exchange .....B

**N. Y.—Syracuse**

Empire Metal Co. (Aluminum; Silver) .....A

**SOLDER (Con.)**

Pierce, Butler &amp; Pierce Mfg. Co. ....AAA

Syracuse Smelting Wks. X

N. Y.—Utica

Millar &amp; Son Co., Charles AA

**OHIO—Canton**

Berger Mfg. Co. (Tin Plate) AA

**OHIO—Cincinnati**

Crane-Hawley Co., Court &amp; Sycamore .....A

Huenefeld, E. H., 225 E. 8th .....A

**OHIO—Cleveland**

Garry Iron &amp; Steel Co. ...A

**PA.—Philadelphia**

Delaware Metal Refinery, 18th &amp; Washn. Av. ...X

Disston &amp; Sons, Hy. (Braziers') .....AAAA

Janney-Steinmetz &amp; Co., Drexel Bldg. (Aluminum) D

Koch &amp; Fox, 22d &amp; Glenwood Av. ....D

Lewis &amp; Bro. Co., Jno. T., 231 So. Front .....AAAA

Merchant &amp; Co. (Inc.) 517 Arch (Braziers') .....AA

North American Smelting Co., 9th &amp; Thompson AA

Woodfall Bros., 1105 Fairmount Av. ....D

**PA.—Pittsburg**

Anderson, Du Puy &amp; Co. (Silver) .....AAAA

**R. I.—Pawtucket**

Fuller &amp; Son, Geo. H. (Gold; Silver) .....A

**R. I.—Providence**

Briggs &amp; Sons Co., J. (Gold; Silver) .....A

Hough Co., W. S. Jr. (Gold) .....C

United Wire &amp; Supply Co. (Gold) .....AA

**WIS.—Milwaukee**

Windsor Mfg. Co., 570 Clinton .....A

**SOLES****CONN.—Hartford**

Willey &amp; Son, Wm. H. (Woolen) .....A

**ILL.—Chicago**

Wildner &amp; Co., 212 Lake (Cut) .....AA

**MASS.—Boston**

Boston Belting Co. (Rubber) .....AAAA

Breed &amp; Badger, 131 Summer (Cut) .....B

Thayer Co., N. F. (Shoe) O

**MASS.—Lynn**

Hilliard &amp; Merrill (Cut Leather) .....A

Houghten &amp; Sons, James (Woolen) .....X

**MASS.—New Bedford**

Hersom &amp; Co., Thos. (Cut) C

**MASS.—Worcester**

Graton &amp; Knight Mfg. Co. (Cut) .....AAAA

**N. Y.—Buffalo**

Buffalo Last Works (Clog; Wooden) .....B

Schoellkopf &amp; Sons, J. F. (Cut Leather) .....A

**New York City**

Frank &amp; Co., S. H., 8 Jacobs (Cut Leather) AAA

Gutta Percha &amp; Rubber Mfg. Co., 126 Duane (Rubber) .....AAAA

Keck, Mosser &amp; Co., 21 Park Pl. (Cut Leather) AAA

Krieg &amp; Co., J. K. (Cut) B

N. Y. Counter Co. (Cut Leather) .....AAA

**OHIO—Canton**

Canton Brass &amp; Aluminum Co. (Aluminum) .....D

**OHIO—Cincinnati**

Amer. Oak Lea. Co. (Cut Leather) .....AAAA

**PA.—Noxen**

Mosser Tanning Co. (Cut Leather) .....A

**SOLES (Con.)**  
**WIS.—Milwaukee**  
 Kalt-Zimmers Mfg. Co.  
 (Cut Leather) .....C  
 Pfister & Vogel Leather  
 Co. (Cut Leather) AAAAA

## SOLING

**MASS.—Boston**  
 Boston Belting Co. (Rubber)  
 AAAAA  
 Boston Woven Hose & Rubber  
 Co. (Rubber) ..AAAA  
**N. J.—Jersey City**  
 New Jersey Car Spring &  
 Rubber Co. (Rubber) AA  
**N. J.—Trenton**  
 Home Rubber Co. (Rubber)  
 AA  
 Trenton Rubber Co. (Rubber)  
 ..... A  
**New York City**  
 Goodyear's India Rubber  
 Glove Mfg. Co., 503  
 Bway.. (Rubber) ..AAAA  
 Gutta Percha & Rubber Mfg.  
 Co. (Rubber) ..AAAA  
 New York Belting & Pack-  
 ing Co. (Rubber) ..AAA  
**OHIO, Akron**  
 Akron Rubber Works (Rub-  
 ber) ..... AAAAA

## SOLUTIONS

**ILL.—Chicago**  
 Hazlitt & Co., Geo. K.  
 (Gold & Silver Plating).D  
**MO.—St. Louis**  
 Hammer Dry Plate Co.  
 (Photographic; Develop-  
 ing) .....A  
**N. J.—Newark**  
 Eureka Cement Co. (Rub-  
 ber) .....D  
**PA.—Philadelphia**  
 Powers - Weightman - Ro-  
 sengarten Co. (Chemical)  
 AAAAA

## SOLVENTS

See Removers

## SOMNOES

See Furniture

## SORTERS

**COLO.—Denver**  
 Denver Iron & Wire Wks.  
 Co. (Screens; Potato)..D  
**IOWA—Prairie City**  
 Dowden Mfg. Co. (Potato)  
 B  
**MICH.—Jackson**  
 Aspinwall Mfg. Co. (Pota-  
 to) .....B  
**MICH.—Pontiac**  
 Bacon Mfg. Co. (Bacon)..X  
**MICH.—Rochester**  
 Miller Bros. (Picker; Pota-  
 to) .....X  
**OHIO—Avery**  
 Hoover, Prout & Co. (Po-  
 tato) .....A  
**PA.—York**  
 Hensch & Dromgold Co.  
 (Peach; Potato) .....B  
**WIS.—Eacine**  
 Johnson & Field Mfg. Co.  
 (Bean) .....F

## SOUNDERS

**PA.—Philadelphia**  
 Riggs & Bro., 310 Market  
 (Marine) .....B

## SOUPS

**CAL.—San Francisco**  
 Van Camp Packing Co., 307  
 Sansome .....A  
**COLO.—Longmont**  
 Empson Packing Co. ....A  
**FLA.—Key West**  
 Granday & Co., A. (Turtle)  
 C  
**ILL.—Chicago**  
 Armour Packing Co. AAAAA  
 Canepa Bros., 101 Indiana

**SOUPS (Con.)**  
 (Italian) .....B  
 Libby, McNeill & Libby  
 AAAAA  
 Polk Co., J. T., 46 River  
 (Br. Greenwood, Ind.).AA  
 Van Camp Packing Co., 42  
 River .....A  
**IND.—Greenwood**  
 Polk Co., J. T. ....AA  
**IND.—Indianapolis**  
 Columbia Conserve Co. ....A  
 Huffman Packing Co., 24  
 Dunlap .....C  
 Van Camp Packing Co. ....AA  
**MAINE—Portland**  
 Portland Packing Co. ....AA  
**MASS.—Boston**  
 Hucksins & Co., J. H., 60  
 Commercial .....C  
**MASS.—Cambridge**  
 Alghieri Soup Co. ....C  
**MICH.—East Tawas**  
 National Milling & Evapo-  
 rating Co. ....C  
**N. J.—Camden**  
 Campbell Pres. Co., Jos. ....AA  
**N. J.—Jersey City**  
 Franco-American Food Co.  
 A  
**N. J.—Passaic**  
 American Compressed Food  
 Co. ....C  
**N. Y.—Buffalo**  
 Frie Preserving Co. AAAAA  
**N. J.—Kenwood**  
 Oneida Community (Ltd.)  
 AAAAA

**New York City**  
 Burnham Co., E. S., 61  
 Gansevoort .....B  
 Columbia Conserve Co., 247  
 W. B'way .....B  
 Curtice Bros. Co., 138  
 Franklin .....AA  
 Eastman's Co. ....AAA  
 Heinz Co., H. J., 216  
 Spring (Br. Pittsburg)  
 AAAAA  
 Oneida Community. 413  
 R'way .....AAAA  
 Snider Pres. Co., A., 105  
 Hudson .....A  
**N. Y.—Rochester**  
 Curt'ce Bros. Co. ....AA  
**OHIO—Cincinnati**  
 London, Chas. F., Court &  
 Sycamore .....C  
 National Pure Food Co., 920  
 Sycamore .....C  
 Snider Pres. Co., 209 Sycam-  
 ore .....A  
**PA.—Philadelphia**  
 Ritter Conserve Co., P. J.,  
 2156 E. Dauphin .....A

## SOUVENIRS

See also Jewelry

**ILL.—Chicago**  
 Crow Metal Mfg. Co., 71  
 W. Jackson Boul. ....E  
**MASS.—Springfield**  
 Fletcher Aluminum Novelty  
 Corp. (Aluminum) ....X  
**R. I.—Providence**  
 Childs Novelty Co., D. R.  
 (Aluminum) .....F

## SOWERS

See Seeders

## SPADES

See also Shovels

**ILL.—Streator**  
 Iwan Bros. (Drain) .....D  
**IND.—Anderson**  
 Wright Shovel Co. (Iron  
 Hand) .....B  
**IND.—Vincennes**  
 Star Shovel & Range Co.  
 (Drain) .....B  
**MASS.—Boston**  
 Ames Shovel & Tool Co.  
 AAAAA  
**MASS.—Greenfield**  
 Nichols Bros. (Butter)....C  
**MASS.—Shelburne Falls**  
 Lamson & Goodnow Mfg.  
 Co. (Butter) .....A

**SPADES (Con.)**

**N. H.—Antrim**  
**Gordell Co. (Butter) ....A**  
**OHIO—Canton**  
**Ney Mfg. Co. (Drain)....B**  
**OHIO—Cleveland**  
**American Fork & Hoe Co.**  
**(Drain) .....AAAA**  
**Avery Stamping Co. (Drain)**  
**A**

**PA.—Mt. Pleasant**  
**Mt. Pleasant Tool Co.**  
**(Drain) .....B**  
**PA.—Philadelphia**  
**Griffiths Co., George, 515**  
**Locust (Iron Hand)....A**  
**Pfeifer & Co., John (Iron**  
**Hand) .....A**  
**PA.—Pittsburg**  
**Hussey-Binns Co., 541 Wood**  
**(Iron Hand) .....AA**  
**Klein, Logan & Co. (Iron**  
**Hand) .....A**  
**Russell Shovel Co., J. C.**  
**(Iron Hand) .....B**  
**PA.—Wyoming**  
**Wyoming Shovel Co. (Iron**  
**Hand) .....A**  
**W. VA.—Wheeling**  
**Laughlin Nail Co. (Iron**  
**Hand) .....AA**  
**WIS.—Oshkosh**  
**Jones, J. R. (Iron Hand).H**

**SPAGHETTI**

See Macaroni

**SPANGLES**

See also Jewelry

**New York City**  
**Hirsch's Sons, G., 653**  
**B'way .....B**  
**Slegman & Weil, 110 Greene**  
**A**

**SPANNERS**

**N. Y.—Brooklyn**  
**Williams & Co., J. H. (Car-**  
**riage) .....AA**

**SPARS**

See also Masts

**N. Y.—Ogdensburg**  
**Spaulding St. Lawrence**  
**Boat Co. ....C**  
**N. Y.—Roslyn**  
**Clapham, Thomas .....F**

**SPATULAS**

**ILL.—Chicago**  
**American Cutlery Co. ...AA**  
**MASS.—Northampton**  
**Clement Mfg. Co. ....B**  
**MASS.—Shelburne Falls**  
**Lamson & Goodnow Mfg.**  
**Co. ....A**  
**MICH.—Detroit**  
**Moore & Son, E. C. (Wax)**  
**F**

**SPEARS**

**CONN.—Collinsville**  
**Collins & Co. (Fish) .AAAA**  
**ILL.—Freeport**  
**Arcade Mfg. Co. (Fish)..A**  
**MASS.—Boston**  
**Dame, Stoddard & Co.**  
**(Fish) .....A**  
**PA.—Mars**  
**Sheridan & Co., J. J.**  
**(Side) .....D**

**SPECTACLES**

See Optical Goods

**SPECULUMS**

**New York City**  
**Goodyear's India Rubber**  
**Glove Mfg. Co. (Rubber)**  
**AAAA**

**SPEEDERS**

**MASS.—Lowell**  
**Lowell Machine Shop.AAAA**  
**MASS.—Newton Upper Falls**  
**Saco & Pettee Machine**

**SPEEDERS (Con.)**

**Shops .....AAA**  
**MASS.—Taunton**  
**Mason Machine Wks. .AAA**  
**R. I.—Providence**  
**Providence Machine Co.AAA**

**SPELTER**

**ILL.—Chicago**  
**Blatchford & Co., E. W.,**  
**70 N. Clinton .....AA**  
**Illinois Smelting & Refin-**  
**ing Co., Peoria & Kinzie**  
**A**  
**Mineral Point Zinc Co., 204**  
**Dearborn .....AA**  
**Raymond Lead Co., 51 W.**  
**Lake .....AAAA**  
**Sandoval Zinc Co., 122 N.**  
**Peoria .....B**  
**ILL.—La Salle**  
**Matthiessen & Hegeler Zinc**  
**Co. ....AAAA**  
**ILL.—Peru**  
**Illinois Zinc Co. ....AAA**  
**IND.—Marion**  
**Latourette, James .....B**  
**KANS.—Cherryvale**  
**Edgar Zinc Co. ....AAA**  
**MASS.—Boston**  
**Butter & Co., Samuel, 549**  
**Atlantic Av. ....C**  
**MASS.—Plymouth**  
**Edes Mfg. Co. ....C**  
**MICH.—Detroit**  
**Detroit White Lead Works**  
**AAA**

**MO.—St. Louis**  
**Edgar, S. C. ....X**  
**Granby Mining & Smelting**  
**Co. ....AAA**  
**Hietz & Son, Theo. ....D**  
**New York City**  
**American Metal Co. (Ltd.),**  
**52 B'way .....AAA**  
**Ansonia Brass & Copper Co.**  
**AAAA**  
**Behr & Steiner, 81 Fulton**  
**A**  
**Bertha Mineral Co. ....A**  
**Davol & Sons, John, 100**  
**John .....AA**  
**Hendricks Bros., 49 Cliff**  
**AAAA**  
**New Jersey Zinc Co., 11**  
**B'way .....AA**  
**Phelps, Dodge & Co. ....AAA**  
**Trench & Co., C. S., 81**  
**Fulton .....A**  
**Wilson & Co., R. T. ....AAA**  
**OHIO—Toledo**  
**National Cement & Rubber**  
**Mfg. Co. (Brazing) ....C**  
**PA.—Carbondale**  
**Hendrick Mfg. Co. ....AA**  
**PA.—Easton**  
**Baker & Adamson Chemical**  
**Co. ....A**  
**PA.—Philadelphia**  
**Delaware Metal Refinery.X**  
**Trotter & Co., Nathan, 36**  
**N. Front .....AA**  
**United States Smelting**  
**Wks. (Brazing) .....B**  
**VA.—Austinville**  
**Wythe Lead & Zinc Mine**  
**Co. ....AA**

**SPERMACETI**

**MASS.—New Bedford**  
**Robinson & Co., W. A...B**

**SPICES**

See Tea; Coffee, etc.

**SPIDERS**

See also Holloware; Car-

**riages**  
**N. Y.—Brooklyn**  
**New York Stamping Co.,**  
**N. 11th & Berry (Steel)**  
**A**  
**N. Y.—Cortland**  
**Cortland Wagon Co. (Car-**  
**riage) .....AA**  
**OHIO—Cleveland**  
**Avery Stamping Co. (Steel)**  
**B**  
**OHIO—Columbus**

**SPIDERS (Con.)**

Buckeye Buggy Co. (Vehicle) .....AAA  
 Kilbourne & Jacobs Mfg. Co. ....AAAA  
**PA.—Erie**  
 Griswold Mfg. Co. ....A

**SPIEGELEISEN**

**ALA.—Birmingham**  
 Tennessee Coal, Iron & Railroad Co. ....AAAA

**COLO.—Denver**  
 Colorado Fuel & Iron Co. ....AAAA

**N. J.—Newark**  
 Coe & Co., Jas. A. ....A  
 New York City  
 Crocker Bros., 99 John (German) .....AAA  
 Dana & Co., 32 B'way (English; German) .....AA  
 Leavitt & Co., C. W., 15 Cortlandt (English; German) .....D  
 New Jersey Zinc Co. ....AA

**PA.—Johnstown**  
 Cambria Steel Co. ....AAAA

**PA.—Philadelphia**  
 Penn Steel Co. ....AAAA  
 Samuel, Frank (Firm of), 1502 Market .....A

**PA.—Pittsburg**  
 Carnegie Steel Co. ....AAAA

**SPIKES**

**ALA.—Sheffield**  
 Sheffield Rolling Mill Co. (Boat; Railroad Track; Ship; Wharf) .....A

**CAL.—San Francisco**  
 Judson Mfg. Co. (Boat; Railroad Track; Ship; Wharf) .....AA

**COLO.—Denver**  
 Colorado Fuel & Iron Co. (Boat; Railroad Track; Ship; Wharf) .....AAAA

**CONN.—Bridgeport**  
 Knapp & Cowles Mfg. Co. (Marlin) .....C

**CONN.—Middletown**  
 Wilcox, Crittendon & Co. (Marlin) .....A

**CONN.—New Britain**  
 Corbin, P. & F. (Railroad) ....AAAA

**CONN.—New Haven**  
 National Steel & Wire Co. (Wire) .....AAAA

**DEL.—Wilmington**  
 Diamond State Steel Co. (Boat; Countersink; Railroad Track; Ship; Wharf) ....AAA

**ILL.—Chicago**  
 American Steel & Wire Co., The Rookery (Boat; Ship; Wharf; Wire) .....AAAA  
 Illinois Steel Co., The Rookery (Railroad Track) ....AAAA

Morgan & Wright, 333 W. Lake (Rubber) .....AA  
 Republic Iron & Steel Co., Stock Exchange Bldg. (Boat; Railroad Track; Dock; Ship; Wharf) ....AAAA

Sellers Mfg. Co., 27 W. Chicago Av. (Railroad Track) .....B

**IND.—Kokomo**  
 Kokomo Steel & Wire Co. (Wire) .....AAA

**KY.—Ashland**  
 Norton Iron Works (Inc.) (Cut) .....AA

**MAINE—Bath**  
 Allen & Co., J. H. (Railroad) .....A

**MAINE—Rockland**  
 Torrey & Son, J. G. (Ship; Wharf) .....E

**MD.—Baltimore**  
 Baltimore Galvanizing & Spike Works, 207 Hughes Av. ....X

**MASS.—Boston**  
 Sylvester & Co., 8 Oliver (Boat; Ship; Wharf; Railroad Track) .....~

**SPIKES (Con.)**

**MICH.—Detroit**  
 Michigan Bolt & Nut Wks. (Boat; Ship; Wharf) ...A

**MICH.—Saginaw**  
 Morley Bros. (Hand) ...AA  
**MO.—Kansas City**

Kansas City Bolt & Nut Co. (Boat; Railroad Track) ...A  
**MO.—St. Louis**

Handlan-Buck Mfg. Co. (Railroad) .....AA  
**N. J.—Jersey City**

Ames & Co., W., 312 Wash. (Boat; Railroad Track; Ship; Wharf) .....A

**N. Y.—Brooklyn**  
 Kohlmann's Sons, Peter, 483 Lorimer (Ship; Wharf; Hand Made & Galvanized) ...E

**New York City**  
 Hall's Sons, Samuel, 229 W. 10th (Dock; Wharf) ...A

Lefferts' Galvanized Works (Galvanized) .....D  
**New Jersey Fdy. & Machine Co., 9 Murray**

(Boat; Dock; Wharf) ...D  
**New York Boat Oar Co.**

(Boat) .....A  
 Salem Nail Co., 279 Pearl (Cut; Ship; Wharf) ...B

Tiebout, W. & J., 118 Chambers (Marlin; Pickler) .....B

**OHIO—Cleveland**  
 H. P. Nail Co. (Boat; Railroad) .....X

**OHIO—Ironton**  
 Kelly Nail & Iron Co. (Cut) ...AA

**OHIO—Stenbenville**  
 La Belle Iron Works (Boat; Cut; Ship; Wharf; Steel; Railroad) .....AAAA

**PA.—Allentown**  
 Allentown Rolling Mills (Railroad Track) ...AAA

**PA.—Birdsboro**  
 Brooke Iron Co., E. & G. (Cut) .....AAA

**PA.—Hollidaysburg**  
 Hollidaysburg Iron & Nail Co. (Cut) .....A

**PA.—Lancaster**  
 Penn Iron Co. (Boat; Railroad Track; Ship; Wharf) ...A

**PA.—Lebanon**  
 American Iron & Steel Mfg. Co. (Boat; Railroad Track; Dock; Ship; Wharf) .....AAAA

**PA.—Milton**  
 Godcharles Co., F. A. (Cut) ...AA

**PA.—Northumberland**  
 Van Alen & Co. ....A

**PA.—Philadelphia**  
 Davis Bros., 29th n. Bristol (Boat; Ship; Wharf; Railroad Track) .....A

Duncannon Iron Co., 122 Race (Cut) .....AA  
 Hoones & Townsend Co., 1330 Buttonwood (Boat) ...AAA

**PA.—Pittsburg**  
 Dilworth, Porter & Co. (Boat; Marlin; Railroad Track; Ship; Wharf) ...AA

Jones & Laughlin Steel Co. (Boat; Railroad Track; Dock; Ship; Wharf) ....AAAA

Lanz & Sons, Matthew, 101 S. 29th (Boat; Countersink; Dock; Ship; Wharf) ...B

Pittsburg Mfg. Co. (Dock; Wharf) .....A

Severance, Samuel, Murland Bldg. (Boat; Cut; Railroad Track; Ship; Wharf) .....A

**PA.—Pottsdawn**  
 Pottsdawn Iron Co. (Cut; Steel) .....A

**PA.—Reading**  
 National Bolt, Nut & Rivet Wks. (Boat; Railroad) ...B

## **SPIKES (Con.)**

**PA.—Scranton**  
Green Ridge Iron Wks....X  
Scranton Bolt & Nut Co.  
(Boat; Railroad Track).A  
**PA.—Steelton**  
Pennsylvania Steel Co.  
(Railroad).....AAAA  
**VA.—Richmond**  
Old Dominion Iron & Nail  
Wks. Co. (Ship; Wharf;  
Railroad; Cut).....A  
Richmond Standard Spike &  
Iron Co. (Railroad; Cut)  
X  
Tredegar Co. (Boat; Rail-  
road Track; Ship; Wharf)  
AAA  
**W. VA.—Wheeling**  
Laughlin Nail Co. (Steel  
Cut).....AA  
Wheeling Steel & Iron Co.  
(Cut).....AAAA

## **SPILES**

**MAINE—Portland**  
Portland Cooperage Co. .C  
**MASS.—Lowell**  
Bachelder & Co.; A.....E  
**N. J.—Newark**  
Sommers' Sons, John ...A

## **SPINDLES**

See also Woodwork; Car-  
riage

**CONN.—Collinsville**  
Hartigan, Wm. R. (Car-  
riage; Wagon; Electric  
Car Seat).....H  
**CONN.—New Haven**  
Dann Bros. & Co. ....B  
**CONN.—North Windham**  
Hartson Co., L. M. (Wood)  
X  
**IND.—South Bend**  
Stephenson Mfg. Co. (Chair)  
B  
**KY.—Covington**  
Ohio Scroll & Lumber Co.  
(Carriage; Carved) ....D  
**MAINE—Ellsworth**  
Ellsworth Hardwood Co.  
(Wood of all Varieties)  
E

**MASS.—Boston**  
Leigh, Evan Arthur .....B  
**MASS.—Charlemont**  
Frary Mfg. Co. (Chair)...E  
**MASS.—Hopedale**  
Draper Co. ....AAAA  
Westcott, A. W. ....F  
**MICH.—Detroit**  
Detroit Shipbuilding Co.  
(Brass Dept.-Lathe)  
AAAA

**MICH.—Holland**  
Michigan Toy & Novelty  
Co. (Wood) .....E  
**M. H.—Hampton**  
Marston & True .....E  
**M. J.—Elmer**  
Ward & Vandegrift .....D  
**M. J.—Paterson**  
Buckley's Son, B. ....E  
**OHIO—Columbus**  
Nelson & Co., C. T. ....D  
**PA.—Philadelphia**  
Diamond Textile Machine  
Works, 2d & Diamond  
(Spooler) .....E  
**PA.—Pittsburg**  
Shelby Steel Tube Co.,  
Frick Bldg. (Lathe)  
AAAA

**R. I.—Bridgeton**  
Hopkins Machine Wks....X  
**R. I.—Pascoag**  
Ramford & Smith .....X  
**R. I.—Pawtucket**  
Easton & Burnham Machine  
Co. ....A  
Payne & Co., Geo. W.  
(Dresser; Reel; Ring;  
Spooler) .....D  
**R. I.—Providence**  
Chase & Co., F. A. ....B  
Providence Machine Co. AA

## **SPINNERS**

See Spools

## **SPINNING**

**CONN.—Naugatuck**  
Naugatuck Mfg. Co. (Met-  
al) .....E  
**CONN.—Winsted**  
Goodwin & Kintz Co. (Met-  
al) .....D  
**ILL.—Chicago**  
Acorn Brass Mfg. Co., 206  
Fulton (Metal) .....B  
**IOWA—Council Bluffs**  
Specialty Mfg. Co. (Brass)  
X  
**MICH.—Holland**  
Holland Stamping Works  
(Brass) .....D  
**OHIO—Cleveland**  
Gas Fixture & Brass Co.  
(Brass) .....B  
**LA.—New Orleans**  
Louisiana Distillery Co.  
(Cologne) .....AA  
**MD.—Baltimore**  
Webb & Sons, A. L. (Co-  
logne) .....B

## **SPIRITS**

See also Alcohol

**MICH.—Detroit**  
Berry Bros. (Ltd.) (Colo-  
nial) .....AAAA  
**MO.—St. Louis**  
Herf & Frerichs Chemical  
Co. (Ammonia; Nitre)...A  
Mallinckrodt Chemical Wks.  
(Ammonia; Nitre) .AAAA  
**New York City**  
American Distilling Co. (Co-  
logne) .....A  
American Spirits Mfg. Co.,  
29 William (Liquor)....X  
Cook & Bernheimer (Co-  
logne) .....AA  
Webb & Son, Jas. A. (Co-  
logne) .....B  
**PA.—Philadelphia**  
Powers - Weightman - Ro-  
sengarten Co. (Ammonia;  
Nitre) .....AAAA

## **SPITTOONS**

See Cuspidores

## **SPLICERS**

**CONN.—Bridgeport**  
Belknap Mfg. Co. (Hose).C  
**ILL.—Downer's Grove**  
Dicke Tool Co. (Wire)....C  
**New York City**  
Smith & Hemenway Co.,  
296 B'way (Wire) ....D  
**N. Y.—Utica**  
Utica Drop Forge & Tool  
Co. (Wire) .....B  
**OHIO—Cincinnati**  
Kislinger-Ison Co. (Trolley  
Wire) .....D

## **SPLINTS**

**ILL.—Chicago**  
Ambulatory Pneumatic  
Splint Mfg. Co. ....F  
**New York City**  
Seabury & Johnson .....AA  
**PA.—Conshohocken**  
Lee Co., J. Elwood (Metal-  
lic) .....AA  
**PA.—Philadelphia**  
Kolbe & Son, D. W. ....X

## **SPLITS**

See Leather

## **SPLITTERS**

See also Machy

**ALA.—Selma**  
Peacock's Iron Works  
(Wood) .....C  
**MASS.—Adams**  
Allen Iron Wks. (Warp).D  
**MASS.—Greenfield**  
Nichols Bros. (Beef) ....D  
**MASS.—Harvard**  
Hildreth Bros. (Wood)...B

**SPLITTERS (Con.)**

N. J.—Lebanon  
Sovereign Fdy. & Mfg. Co.  
(Kindling Wood) .....D  
N. Y.—Albany  
Dederick's Sons, P. K.  
(Kindling Wood) .....A  
N. Y.—Sandy Hill  
Sandy Hill Iron & Brass  
Wks. (Kindling Wood;  
Wood) .....A  
PA.—Philadelphia  
Nittinger, August (Beef) .A  
PA.—York  
Spangler Mfg. Co. (Wood) C

TENN.—Chattanooga  
Chattanooga Machinery Co.  
(Kindling Wood) .....C  
VT.—Bennington  
Scott, Olin (Wood) .....A  
WIS.—Appleton  
Valley Iron Works Mfg. Co.  
(Wood) .....C  
WIS.—Manitowoc  
Smalley Mfg. Co. (Wood) .B

**SPOKES**

See also Woodwork; Carriage

CONN.—Torrington  
Excelsior Needle Co. (Auto-  
mobile; Bicycle) .AAAA  
CONN.—Waterbury  
Manville Mach. Co., E. J.  
(Bicycle) .....C  
ILL.—Chicago  
American Steel & Wire Co.  
(Bicycle) .....AAAA  
MASS.—Worcester  
Wire Goods Co. (Auto-  
mobile; Bicycle; Sulky) .A  
OHIO—Cleveland  
Federal Mfg. Co. (Bicycle)  
AAAA  
PA.—Norristown  
Reading Screw Co. (Bicy-  
cle) .....A

**SPOKESHAVES**

See Shavers

**SPONGES**

CAL.—San Francisco  
American Sponge Co., 150  
New Montgomery .....C  
CONN.—Plainville  
Clark & Son, A. N. (Ear) B  
MO.—St. Louis  
Ettman Sponge Co., 1112  
Pine .....C  
N. J.—Newark  
Celluloid Co. (Ear) .....B  
New York City  
Collman Sponge Co., 522  
B'way .....A  
Davis & Sons, D., 148 Wil-  
liam .....D  
Heineman, J., 108 Fulton F  
Huneke Sponge Co., 259  
Pearl .....F  
Isaacs & Co., A., 58 Beek-  
man .....A  
National Sponge & Chamols  
Co., 160 William .....B  
Seabury & Johnson (Surgi-  
cal) .....A  
Van Amringe, T., 97 Beek-  
man .....B  
Vollman Sponge Co., 518  
B'way .....A  
Wrightington & Jackson,  
90 Maiden Lane .....C  
OHIO—Akron  
Faultless Rubber Co. (Rub-  
ber) .....AA  
Goodrich Co., B. F. (Rub-  
ber) .....AAAA  
PA.—Philadelphia  
Burk & Co., 534 Arch....A  
Haehnle & Co., E. G., 700  
Arch .....B  
Louden & Hill, 623 Arch..B  
Murray, Barnes & Munay  
Co., 9th & Ontario .....D

**SPOOLERS**

MASS.—Boston

**SPOOLERS (Con.)**

Stoddard, Haserick, Rich-  
ards & Co., 152 Congress  
(Cotton) .....AAA  
MASS.—Hopedale  
Draper Co. (Cotton) .AAAA  
MASS.—Lowell  
Lowell Machine Shop (Cot-  
ton) .....AAAA  
MASS.—Newton Upper Falls  
Saco & Pettee Machine  
Shops (Cotton) .....AAA  
MASS.—Westfield  
Foster Machine Co. (Cot-  
ton; Dresser; Wool; Yarn) A  
MASS.—Whitinsville  
Whitin Machine Works  
(Cotton) .....AAAA  
MASS.—Worcester  
American Card Clothing Co.  
(Wool) .....AAA  
Cleveland Machine Works  
(Wool; Worsted) .....X  
PA.—Philadelphia  
Altemus, Jacob K., 2816 N.  
4th (Cotton; Dresser;  
Wool; Yarn) .....D  
Diamond Textile Machine  
Works, 2d & Diamond  
(Cotton; Dresser; Wool;  
Worsted; Yarn) .....F  
Furbush & Son Machine Co.,  
M. A. (Cotton; Presser) A  
Klein, Chas. C., 2850 N.  
Marshall (Cotton) .....D  
Lever, Oswald, Lehigh Av.  
& Mascher (Dresser;  
Yarn) .....D  
Schaum & Uhlinger (Cot-  
ton) .....AA  
Smith Woolen Machinery  
Co., Jas. (Cotton; Wool;  
Worsted) .....A  
R. I.—Pawtucket  
Easton & Burnham Machine  
Co. (Cotton; Wool) .B  
Payne & Co., Geo. W.  
(Doubling) .....A

**SPOOLS**

CONN.—Rayville  
Arnold, O. S. ....E  
CONN.—Mystic  
Allen Spool Printing Co..B  
GA.—Macon  
Georgia Spool & Bobbin  
Mfg. Co. ....C  
KY.—Maysville  
Ohio Valley Pulley Works B  
MAINE—Albany  
Elliott & Bartlet .....D  
MAINE—Dixfield  
Stowell & Co., N. S. (Silk  
Thread) .....F  
MAINE—Locke's Mills  
Tebbets & Co., E. L. ....C  
MASS.—Adams  
Adams Bobbin & Spool Co. D  
MASS.—Fall River  
Fall River Bobbin & Shut-  
tle Co., 821 Cambridge  
AAAA  
Fall River Fdy. & Machine  
Co. ....F  
MASS.—Lawrence  
Hale, T. J. ....AAAA  
Union Shuttle Co. ....D  
Weld Bobbin & Spool Co.,  
42 Island .....D  
MASS.—Lowell  
New England Shuttle Co.,  
64 Leverett .....D  
MASS.—New Bedford  
Greene & Wood .....B  
MASS.—Winchendon  
Winchendon Spool & Bobbin  
Co. ....A  
MICH.—Alpena  
Kline, Lewis T. (Thread) .D  
N. H.—Manchester  
Baldwin Co., James .AAAA  
N. H.—Nashua  
Murray, Charles O. ....X  
N. J.—Paterson  
Atkinson & Co., J. ....E  
Van Riner Mfg. Co. ....B  
N. Y.—Utica  
Williams Co., J. H. ....A

**SPOOLS (Con.)**

**N. C.—Greensboro**  
 Sherwood Bobbin & Mfg.  
 Co. ....D  
**PA.—Carbondale**  
 Clover Leaf Mfg. Co. (Dog-  
 wood Spinners'; Maple  
 Winder) .....D  
**PA.—Philadelphia**  
 Bradford Woodworking Co.,  
 2154 N. 3d .....F  
**R. I.—Pawtucket**  
 Atwood-Crawford Co. (Silk  
 Thread) .....B  
 Payne & Co., Geo. W. (Silk  
 Thread; Warp) .....D  
 Weatherhead, Thompson &  
 Co. ....A  
**R. I.—Providence**  
 American Supply Co. ....AA  
 Brown Bros. Co. ....B  
 United States Bobbin &  
 Shuttle Co. ....AAAA  
**R. I.—Woonsocket**  
 Colburn, Fred. S., 243 Main  
 St. ....X  
**S. C.—Charleston**  
 Woodstock Hardwood &  
 Spool Mfg. Co. ....E  
**VT.—Essex Junction**  
 Vermont Spool & Bobbin  
 Co. ....C

**SPOONS**

See also Silverware; Tin-  
 ware

**CAL.—San Francisco**  
 Doble Co., Abner (Post  
 Hole) .....A  
**CONN.—Bridgeport**  
 Acme Shear Co. (Steel;  
 Iron) .....B  
**CONN.—Meriden**  
 International Silver Co.  
 (Astec Coin Metal; Mexi-  
 can Silver) ....AAAA  
 Parker Co., Charles (Steel;  
 Iron; Metal) .....AAA  
 Rogers & Bros., C. (Tinned)  
 ....AAAA  
**CONN.—New Haven**  
 Atlas Mfg. Co. (Tinned) ..G  
**CONN.—Stamford**  
 Yale Mfg. Co., C. I. (Iron)  
 ....X  
**CONN.—Unionville**  
 Humphreys, H. W. (Tin;  
 Basting) .....D  
**CONN.—Wallingford**  
 Wallace & Sons Mfg. Co.,  
 R. (Tin; Basting; Iron)  
 ....AAAA  
**MD.—Baltimore**  
 Sinclair-Scott Co. (Peach  
 Pitting) .....E  
**MASS.—Attleboro**  
 Robbins Co., Chas. M.  
 (Souvenir) .....C  
**MASS.—North Attleboro**  
 Codding & Heilborn Co.  
 (Souvenir) .....A  
**MICH.—Bellaire**  
 Richard & Bechtold (Wood-  
 en) .....B  
**MICH.—Kalkaska**  
 Freeman Mfg. Co. (Wood-  
 en) .....B  
**MO.—St. Louis**  
 St. Louis Shovel Co. (Post  
 Hole) .....B  
 St. Louis Stamping Co.  
 (Basting) ....AAAA  
**N. Y.—Buffalo**  
 Shepard & Co., Sidney  
 (Iron) ....AAAA  
**N. Y.—East Syracuse**  
 Benedict Mfg. Co., M. S.  
 (Souvenir) .....AA  
**New York City**  
 Estes & Sons, E. B., 45  
 John (Mustard) .....AA  
 International Silver Co.  
 (Silver; Silver Plated;  
 Soda Water) ....AAAA  
 Lalanc & Grosjean Mfg.  
 Co. (Basting) ....AAAA  
 National Enameling &  
 Stamping Co., 81 Fulton  
 (Enameled Iron) ....AAAA  
 Thurnauer & Bro., G. M.,  
 35 Park Pl. (Egg) ....X

**SPOONS (Con.)**

**N. Y.—Niagara Falls**  
 Onelda Community (Ltd.)  
 (Silver; Silver Plated;  
 Soda Water) ....AAA  
**OHIO—Piqua**  
 Piqua Handle & Mfg. Co.  
 (Mustard) .....A  
**OHIO—Sidney**  
 Wagner Mfg. Co. (Alumi-  
 num) .....A  
**PA.—Beaver Falls**  
 Myers Co., H. M. (Tele-  
 graph, &c.; Digging) ..A  
**PA.—Erie**  
 Erie Specialty Co. (Soda  
 Water) .....B  
**PA.—Philadelphia**  
 Nittinger, August (Lard) .A  
**PA.—Pittsburg**  
 Hubbard & Co., Murtland  
 Bldg. (Digging) ....AA  
 Pittsburg Shovel Co., Frick  
 Bldg. (Digging) .....B  
**WIS.—Oshkosh**  
 Oshkosh Logging Tool Co.  
 (Digging) .....F

**SPORTING  
GOODS**

**COLO.—Denver**  
 Mason & Co., Geo. (Club  
 Room Supplies) .....C  
**CONN.—Bridgeport**  
 Bridgeport Gun Implement  
 Co. (Golf) .....AA  
**CONN.—New Haven**  
 Dann Bros. & Co. (Polo) .B  
**ILL.—Chicago**  
 Chicago Sporting Goods  
 Mfg. Co., 128 S. Jeffer-  
 son .....B  
 Diamond Whip Co., 85 W.  
 North (Leather) .....E  
 Kernan Mfg. Co., 192 Van  
 Buren .....E  
**MASS.—Brookton**  
 Stall & Dean Mfg. Co. ....C  
**MASS.—Boston**  
 Wright & Ditson (Tennis;  
 Archery) .....AA  
**MASS.—Springfield**  
 Victor Sporting Goods Co.  
 ....B  
**MICH.—Grand Rapids**  
 Rodemaker & Sons, H.  
 (Polo) .....E  
**New York City**  
 Empire Sporting Goods Co.,  
 18 Thames .....F  
 Schoverling, Daly & Gales,  
 302 B'way .....A  
 Spaulding & Bros., A. G.  
 (Golf; Polo; Baseball;  
 Tennis, &c.) ....AAAA  
 Treinis Bros., 498 B'way ..F  
 United States Rubber Co.,  
 9 Murray .....AAAA  
**PA.—Philadelphia**  
 Reach Co., A. J. (Baseball)  
 ....AA  
**R. I.—Pawtucket**  
 Bliss Mfg. Co., R. (Arch-  
 ery) .....AAAA

**SPOTS**

**CONN.—Waterbury**  
 American Ring Co. (Har-  
 ness) .....A  
**MASS.—Boston**  
 Standard Rivet Co. (Har-  
 ness) .....B  
**N. J.—Newark**  
 Greacen & Co., Walter  
 (Harness) .....E  
 Reynolds & Zahn (Harness)  
 ....B  
**OHIO—Akron**  
 Enterprise Mfg. Co. (Har-  
 ness) .....A

**SPOUTINGS**

**PA.—Philadelphia**  
 Gara, McGinley & Co. (Me-  
 tallic) .....B

**SPOUTS**

**ILL.—Chicago**

**SPOUTS (Con.)**

Caldwell & Son Co., H. W.  
Western Av. & 17th  
(Grain) .....A  
Thornburgh-Creel Company  
(Grain) .....F  
Weller Mfg. Co., 118 North  
Av. (Car Loading; Dock;  
Elevator) .....A  
Wilson & Co., F. C. (Bung)  
B

ILL.—Sterling  
Novelty Iron Wks. (Iron  
Pump) .....X

MD.—Baltimore  
Poole & Son Co., Robert  
(Grain) .....A

MO.—St. Louis  
Kay-Pim Mfg. Co. (Distrib-  
uting) .....X

New York City  
Stoutenborough, X. (Sap).D  
N. Y.—Utica

Millar & Son, Chas. (Sap)  
AA

OHIO—Cleveland  
Taylor & Boggis Fdy. Co.  
(Iron Pump) .....AA

**SPRAYERS**

ILL.—Paxton  
Paxton Hardware Mfg. Co.  
(Garden; Orchard)....X

IND.—Elkhart  
Buescher Mfg. Co. (Insect  
Exterminator) .....C

IND.—Indianapolis  
Everitt, J. A. (Insect Ex-  
terminator) .....B

MICH.—Jackson  
Aspinwall Mfg. Co. (As-  
paragus; Cotton) ....B

N. J.—Greenloch  
Bateman Mfg. Co. ....A

N. J.—Hightstown  
Shangle, Sering & Son (Po-  
tato) .....C

New York City  
Mattson Rubber Co. (Insect  
Exterminator) .....B

N. Y.—Rome  
Rome Mfg. Co. (Insect)..B

N. Y.—Utica  
Utica Sprayer Co. ....B

OHIO—Canton  
Hurst Mfg. Co., H. L. (Or-  
chard) .....F

OHIO—Toledo  
Hickox, Mull & Hill Co.  
(Automatic) .....A  
Yost Electric Mfg. Co.  
(Lawn) .....D

**SPREADERS**

See also Agr. Imps

CONN.—Derby  
Birmingham Iron Foundry  
(Rubber) .....AA

MASS.—Boston  
American Tool & Machine  
Co. (Rubber) .....AA

MASS.—Worcester  
Richardson Mfg. Co. (Ma-  
nure) .....AA

N. Y.—Newark Valley  
Kemp Mfg. Co., J. S.  
(Lime) .....A

N. Y.—Syracuse  
Kemp & Burpee Mfg. Co.,  
119 W. Fayette (Manure;  
Agricultural) .....B

OHIO—Akron  
Akron-Selle Co. (Horse  
Power) .....A

OHIO—Cincinnati  
Francis & Bros., Chas. E.  
(Glue) .....B

PA.—York  
Spangler Mfg. Co. (Lime;  
Horse Power) .....D

WIS.—Racine  
Foster & Williams Mfg. Co.  
(Lime) .....B

**SPREADS**

See also Bedding

CONN.—Middletown  
Palmer, I. E. (Hammock)  
AAA

**SPREADS (Con.)**

GA.—Columbus  
Swift Mfg. Co. (Bed)...AA  
IND.—South Bend

South Bend Toy Mfg. Co.  
(Hammock) .....A

IOWA—Cedar Rapids  
Adams Mfg. Co., A. L.  
(Hammock) .....E

N. H.—Claremont  
Monadnock Mills (Bed).AA  
N. C.—McAdenville

McAden Mills (Bed) ...AA  
PA.—Philadelphia  
Rumpf Bros. & Witty (Bed)  
AA

WIS.—Menasha  
Menasha Woodenware Co.  
(Hammock) .....AA

**SPRIGS**

MASS.—Taunton  
Atlas Tack Corp. ....AAAA  
PA.—Philadelphia  
Duncannon Iron Co. ....AA

**SPRING BEDS**

See Furniture

**SPRINGS**

See also Hardware; Car-  
riage; Furniture

CAL.—San Francisco  
Betts Spring Co. (Car;  
Coach; Steel) .....D

CONN.—Bridgeport  
American Tube & Stamping  
Co. (Shuttle) ....AAAA

Bridgeport Chain Co. (Ag-  
ricultural Implements;  
Bed; Car Seat; Extension;  
Compression; Furniture;  
Helical; Bird Cage; Wire;  
Upholstery; Governor;  
Electrical Equipment;  
Machine; Door; Oil Tem-  
pered; Rocker; Sash;  
Trolley; Wagon Pole;  
Wringer) .....A

Burns, Silver & Co. (Car)  
A

Canfield, H. O. (Rubber).D  
Farist Steel Co. (Car; Coil  
or Spiral; Elliptic; Car  
Steel; Locomotive; Spiral)  
AA

Gaynor & Mitchell Mfg. Co.  
(Spiral Wire; Spiral  
Brass) .....D

CONN.—Bridgeport  
Miller Wire Spring Co.  
(Car Seat; Furniture;  
Steel; Bed) .....D

Spring Perch Co. (Carriage;  
Wagon; Coach) .....B

CONN.—Bristol  
Barnes, Wallace Co. (Ma-  
chinery; Window; Wire;  
Furniture; Steel; Oil  
Tempered; Truss; Door;  
Burglar Alarm; Clock;  
Car Seat; Organ; Piano;  
Bicycle; Electrical Equip-  
ment; Governor; Motor;  
Pump Valve; Sash; Type-  
writer) .....C

Dunbar Bros. (Small Sheet  
Steel; Machinery; Wire;  
Oil Tempered; Window;  
Governor; Snap; Sweat  
Pad; Organ; Coll; Clock)  
D

Warner, Hobart A. (Hair)  
D

CONN.—Forestville  
Mauros, F. N. (Clock; Mu-  
sic Box. &c.; Clock;  
Hair) .....G

CONN.—Hartford  
Connecticut Rubber Co.  
(Wagon; Rubber) .....F

Hartford Woven Wire Mat-  
tress Co. (Bed; Car Seat)  
A

CONN.—New Britain  
Russell & Erwin Mfg. Co.  
(Door; Check) ....AAAA

Stanley Works (Window)  
AAA



**SPRINGS (Con.)**

Union Mfg. Co. (Door; Door Coil) .....AA  
**CONN.—New Haven**  
 Fitch Co., W. & E. T. (Carriage; Wagon)....AA  
 New Haven Clock Co. (Door; Burglar Alarm; Window; Burglar Alarm) AA  
 New Haven Spring Co. (Carriage; Wagon) .....H  
 New Haven Wire Mfg. Co. (Lock) .....C  
**CONN.—Plainville**  
 Clark & Son, A. M. (Watch Case) .....O  
 Clark & Cowles (Oil Tempered; Snap) .....B  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co. (Door; Window) .AAAA  
**CONN.—Thomaston**  
 Thomas Clock Co., Seth (Clock) .....AAA  
**CONN.—Waterbury**  
 American Pin Co. (Car Seat) .....A  
**DEL.—Wilmington**  
 Diamond State Car Spring Co. (Car; Coil or Spiral; Elliptic; Machinery; Locomotive Elliptic; Trolley; Locomotive Spiral; Locomotive Truck) ....B  
 Harlan & Hollingsworth Co. (Car Seat) .....AAAA  
**ILL.—Chicago**  
 American Steel & Wire Co., The Rookery (Air Brake; Agricultural Implements; Car; Bicycle; Coil or Spiral Door; Machinery; Trolley Wire) ....AAAA  
 Chicago Spring Butt Co., 491 Carroll Av. (Door).B  
 Gibson Co., Wm. D., 25 N. Clinton (Air Brake; Car Seat; Trolley; Carriage; Wagon; Coil; Elliptic; Machinery; Oil Tempered; Agricultural Implements; Bed; Door; Gun; Bicycle; Governor; Furniture; Upholstery; Electrical Equipment; Loom; Motor; Organ; Piano Rocker; Squaring Shear; Steel; Typewriter; Valve; Wire; Wringer) .....B  
 Haggard & Marcusson Co. (Bed) .....B  
 McGuire Mfg. Co., 122 N. Sangamon (Car Coil or Spiral; Car; Steel) ....A  
 Morgan & Wright, 333 W. Lake (Car; Wagon, &c.; Rubber Channeler for Quarrying Machinery).AA  
 Rocker Spring Co. (Tilting Chair) .....C  
 Tuthill Spring Co., 315 S. Clinton (Carriage; Wagon) .....C  
 Weber Wagon Co. (Wagon) AA  
**ILL.—Freeport**  
 Arcade Mfg. Co. (Door)..B  
**ILL.—West Pullman**  
 Whitman & Barnes Mfg. Co. (Rubber) .....AAAA  
**IND.—Connersville**  
 Ansted Spring Co., E. W. (Carriage; Wagon) ....A  
**IND.—Hammond**  
 Simplex Railway Appliance Co. (Coil; Elliptic Car; Locomotive) .....A  
**IND.—Indianapolis**  
 Laycock Mfg. Co., T. B. (Bed; Furniture; Spiral) B  
 Over, Ewald (Wagon)....D  
**IND.—Lafayette**  
 Haggard Wagon Spring Co. (Wagon) .....X  
**IND.—South Bend**  
 Studebaker Bros. Mfg. Co. (Wagon; Bolster) .AAAA  
**MASS.—Andover**  
 Trer Rubber Co. (Door; Rubber) .....AA  
**MASS.—Boston**

**SPRINGS (Con.)**

Ashton Valve Co. (Valve).A  
 Boston Belting Co. (Wagon; Rubber; Car Rubber) AAAAA  
 Boston Gear Wks. (Clock) B  
 Boston Woven Hose & Rubber Co. (Car; Rubber) AAAAA  
 Palmer, Jos., 261 Rutherford (Carriage; Wagon) H  
**MASS.—Brookton**  
 Tuck Mfg. Co. (Bicycle; Wire; Tempered; Steel; Typewriter) .....E  
**MASS.—Cambridge**  
 Duff Spring Co. (Carriage; Wagon) .....I  
**MASS.—Clinton**  
 Clinton Wire Cloth Co. (Bed) .....AAA  
**MASS.—Lowell**  
 Austin, Chas. E. (Organ).D  
**MASS.—North Easton**  
 New England Specialty Co. (Picker Rod; Shuttle; Steel) .....F  
**MASS.—Springfield**  
 Bemis Car Box Co. (Car; Car Steel) .....D  
**MASS.—Worcester**  
 Eagan, Thos. F. (Window) H  
 Morgan Spring Co. (Agricultural Implements; Air Brake; Bicycle; Brush Holder; Car Steel; Car Seat; Carriage; Wagon; Coil; Door; Door Rod; Elliptic; Engine House Door; Machinery; Pipe Bending; Trolley; Window; Wire; Bed; Special; Automobile; Bird Cage; Gun; Bobbin Ring; Drill; Buggy Boot; Check; Cutter Bar; Electrical Equipment; Furniture; Friction Washer; Upholstery; Governor; Hinge; Lever; Loader Teeth; Loom; Motor; Oil Tempered; Organ; Piano; Plow; Pump Valve; Rocker; Sash; Sheaf Carrier; Steel; Valve; Tedder Fork; Typewriter; Wringer; Wagon Pole; Windmill; Shuttle) .....B  
 Parker Wire Goods Co. (Bird Cage; Door) ...E  
 Wire Goods Co., 20 Union (Agricultural Implements; Wire; Bird Cage; Door; Furniture; Upholstery; Steel; Wringer) .....B  
 Wright Wire Co. (Bed).AA  
**MICH.—Detroit**  
 Wilson Carriage Co., C. R. & J. (Carriage) .....F  
**MICH.—Flint**  
 Armstrong Mfg. Co., J. B. (Carriage; Wagon) ....A  
**MICH.—Jackson**  
 Lewis Spring & Axle Co. (Carriage; Wagon) ....C  
**MICH.—Kalamazoo**  
 Harrow Spring Co. (Agricultural Implements; Car; Bicycle; Coil; Machinery; Car Seat; Railroad Track Scraper) .....B  
 Kalamazoo Spring & Axle Co. (Carriage; Wagon; Coil or Spiral; Elliptic).B  
**MICH.—Pontiac**  
 Pontiac Spring & Wagon Wks. (Bolster; Carriage; Wagon) ....A  
 Vehicle & Implement Spring Co. (Carriage; Wagon; Agricultural Implements) B  
**MO.—Kansas City**  
 Lloyd, J. H. (Bed) .....D  
**MO.—St. Louis**  
 Ludlow-Saylor Wire Co., 4th & Elm (Coil; Wire) AA

**SPRINGS (Con.)**

Rice Coil Spring Co. (Coil or Spiral) .....D  
 Smith & Davis Mfg. Co. (Bed) .....A  
**N. H.—Concord**  
 Abbot-Downing Co. (Wagon) X  
**N. H.—Tilton**  
 Lord Bros. Mfg. Co. (Coil or Spiral; Wire) .....B  
**N. J.—Carlstadt**  
 Gross, Carl (Watch Case).E  
**N. J.—Jersey City**  
 New Jersey Car Spring & Rubber Co. (Rubber; Wagon; Rubber Car) ...AA  
**N. J.—Newark**  
 Delaney & Son, D. (Carriage; Wagon; Elliptic) A  
 Jenkinson & Co., R. C. (Steel; Wire) .....A  
 Myer Co., Benj., 470 Broad (Engine House Door)...C  
 Pryor Hardware Mfg. Co., W. W. (Door) .....E  
 Tomlinson Spring Co., 233 N. J. R. R. Av. (Carriage; Wagon) .....A  
**N. J.—Trenton**  
 Consolidated Rubber Co. (Rubber) .....B  
 Empire Rubber Mfg. Co. (Rubber; Wagon) ...AA  
 Home Rubber Co. (Rubber) AA  
 Mercer Rubber Co. (Car; Rubber) .....A  
 Stokes Rubber Co., Joseph (Rubber) .....A  
 Trenton Rubber Mfg. Co. (Rubber; Car) .....A  
 United Rubber Co. (Rubber; Car) .....E  
 United & Globe Rubber Mfg. Co. (Rubber Wagon; Rubber Car; Rubber) AAA  
 Whitehead Bros. Rubber Co. (Rubber) .....A  
**N. Y.—Amsterdam**  
 Shuler & Son, D. W. (Coil or Spiral; Elliptic; Coach) A  
**N. Y.—Auburn**  
 Meyer & Co. (Bolster; Car Seat; Coil or Spiral)...B  
**N. Y.—Brooklyn**  
 Miller & Van Winkle, 18 Bridge (Air Brake; Bicycle; Car Steel; Coil; Door; Wire; Machinery; Trolley; Bird Cage; Agricultural Implements; Bed; Carriage; Wagon; Furniture; Upholstery; Governor; Check; Electrical Equipment; Rocker; Oil Tempered; Organ; Piano; Pump Valve; Sash; Typewriter; Seat; Wagon Pole; Windmill; Window; Wringer) .....A  
 Wurster & Co., Fred W., 375 Kent Av. (Carriage; Wagon) .....AA  
**N. Y.—Buffalo**  
 King Spring Co., 1410 Niagara (Carriage; Wagon).C  
 Western Wire Goods Co. (Bird Cage) .....D  
**N. Y.—Dunkirk**  
 Mulholland Spring Co. (Carriage; Wagon) .....B  
**N. Y.—Homer**  
 Phoenix Hardware Mfg. Co. (Coil Door) .....D  
**N. Y.—Leonardsville**  
 Babcock Mfg. Co. (Agricultural Implement) .....D  
**New York City**  
 Cary Spring Works, 240 W. 29th (Clock; Machinery; Coil; Trolley; Wire; Agricultural Implements; Steel; Flat Wire; Music Box; Air Brake; Electrical Equipment; Governor; Automobile; Motor; Oil Tempered; Pump Valve; Typewriter; Valve; Window; Wagon Pole;

**SPRINGS (Con.)**

Watch) .....D  
 Chatillon & Sons, Jno., 85 Cliff (Cast Steel; Spiral; Door; Oil Tempered; Wire Coil) .....A  
 Cook Spring Co., 255 Centre (Coil or Spiral) .....E  
 Edwards & Co. (Door; Window) .....C  
 Eureka Spring Co., 465 Greenwich (Machinery; Trolley; Coil or Spiral).D  
**New York City**  
 Goodyear Rubber Co. (Car; Rubber; Door) ...AAAA  
 Goodyear's India Rubber Glove Mfg. Co. (Rubber) AAAA  
 Gutta Percha & Rubber Mfg. Co. (Wagon; Rubber; Car; Door Rubber; Roller Skate) ...AAAA  
 Hodgman Rubber Co. (Car; Wagon; Rubber) ...AA  
 Manhattan Rubber Mfg. Co., 18 Vesey (Rubber) AA  
 Mechanical Rubber Co., 22 Murray (Wagon; Rubber; Car) .....AAAA  
 Merrill Spring Co., E. R., 580 W. 28th (Automobile; Carriage; Wagon; Elliptic; Trolley; Coach)...B  
 Metal Stamping Co. (Furniture) .....B  
 New York Belting & Packing Co., 25 Park Place (Rubber; Wagon; Car) AAA  
 New York Rubber Co., 84 Reade (Rubber) .....AA  
 Ostrander & Co., W. R., 22 Dey (Check) .....B  
 Peckham Truck Co. (Car) A  
**New York City**  
 Railway Steel Spring Co., 71 B'way (Air Brake; Brush Holder; Carriage; Wagon; Car; Coil; Elliptic; Helical; Oil Tempered; Trolley; Wire; Bird Cage; Governor; Door; Electrical Equipment; Sash; Steel; Window) .....AAAA  
 Sargent & Co., 151 Leonard (Check; Door; Window) AAAA  
 Schneider's Sons & Co., Peter (Furniture) .....A  
 Stephenson Co., John (Ltd.) (Car) .....A  
 Vose Spring Co., 115 B'way (Car; Coil or Spiral; Elliptic; Machinery; Trolley; Steel Graduated; Car Steel) .....D  
 Wardlow, S. & C., 95 John (Steel) .....AA  
**N. Y.—Oneida**  
 Ideal Mfg. Co. (Steel)...D  
**N. Y.—Rochester**  
 Caldwell Mfg. Co., 12 Jones (Door) .....E  
 Pullman Mfg. Co. (Door; Coil; Wire) .....C  
**N. Y.—Syracuse**  
 Sweets Mfg. Co. (Carriage) A  
**N. Y.—Troy**  
 Hayes, Edward J. (Coach) F  
 Taylor Electric Truck Co. (Coil or Spiral; Elliptic) B  
**N. Y.—Utica**  
 Foster Bros. Mfg. Co. (Carriage; Wagon; Furniture; Bed) .....A  
**OHIO—Akron**  
 Akron Rubber Works (Car; Rubber) .....AAAA  
 Diamond Rubber Co. (Rubber) .....AAAA  
 Goodrich Co., B. F. (Rubber) .....AAAA  
**OHIO—Canton**  
 Cleveland-Canton Spring Co. (Automobile; Elliptic; Carriage; Wagon) .....B

**SPRINGS (Con.)**

**OHIO—Carthage**  
Hess Spring & Axle Co.  
(Carriage; Wagon; Elliptic) .....A

**OHIO—Cincinnati**  
Haven Co., Jas. L. (Door) .....B

**OHIO—Cleveland**  
Cleveland Wire Spring Co.,  
Wason & Hamilton (Agricultural Implements; Air Brake; Bolster; Door; Coil; Carriage; Wagon; Machinery; Pipe Bending; Trolley; Wire; Furniture; Automobile; Bed; Bicycle; Check; Upholstery; Electrical Equipment; Hinge; Governor; Oil Tempered; Motor; Organ; Piano; Pump Valve; Sash; Seat Steel; Typewriter; Valve Wagon Pole; Windmill Wringer) .....C

Columbia Hardware Co.,  
Cox & Hamilton (Door) .....AA

Cooper & Co., Geo., Western Reserve Bldg. (Carriage; Wagon; Elliptic) .....A

Upson Nut Co. (Check) .....AAA

Van Dorn & Dutton Co. (Car) .....D

**OHIO—Columbus**  
Simpson Iron Co. (Door) .....D

**OHIO—Hamilton**  
Meyers Mfg. Co., Fred. J. (Door) .....B

**OHIO—Mt. Gilead**  
Murray, William (Coil or Spiral) .....H

**OHIO—Toledo**  
Heartley Mach. Variety Iron & Tool Works (Children's Carriage; etc.) .....D

**OHIO—Youngstown**  
Republic Rubber Co. (Rubber) .....AA

**PA.—Allegheny**  
Iron City Spring Co. (Car; Oil Tempered; Carriage; Wagon; Coil or Spiral; Oil Tempered; Elliptic) .....F

**PA.—Allentown**  
Allentown Platform Co. (Wagon) .....B

**PA.—Corry**  
Raymond Mfg. Co. (Ltd.) (Air Brake; Bicycle; Carriage; Wagon; Coil; Machinery; Pipe Bending; Agricultural Implement; Automobile; Buggy; Boot Check; Door; Exerciser; Electrical Equipment; Governor; Gun; Hinge; Lever; Loader Teeth Oil Tempered; Organ; Piano; Pump Valve; Rocker Squaring Shear; Steel; Valve Tedder Fork; Trolley Wagon Pole; Windmill; Wire Wagon Brake; Wringer) .....C

**PA.—Monongahela**  
Liggett Spring & Axle Co. (Carriage; Wagon) .....AA

**PA.—Philadelphia**  
Brill Co., J. G., 62d & Woodland Av. (Car) .....AAA

Cambria Steel Co., Arcade Bldg. (Agricultural Implement; Car; Steel) .....AAAA

Insull, Thos., 1429 Hutchinson (Coil or Spiral; Elliptic) .....C

Latrobe Steel Co., Girard Bldg. (Elliptic; Car) .....AAAA

Lehigh Valley Spring Wks. Bullitt Bldg. (Car; Coil or Spiral) .....D

Rowland, William & Harvey (Carriage; Elliptic; Coach; Wagon; Steel; Car Steel) .....A

Weston & Wells Mfg. Co. (Carriage; Torsion Braided Wire; Dining Chairs; Theatre Seats) .....C

**SPRINGS (Con.)**

**PA.—Pittsburg**  
American Spiral Spring & Mfg. Co. (Spiral; Car; Car Seat; Door) .....E

Crescent Steel Co. (Coil; Steel; Car) .....AAAA

Crucible Steel Co. of America (Machinery) .....AAAA

French Spring Co., A. (Ltd.) (Coil; Wagon; Tempered; Elliptic; Locomotive) .....AAAA

Independent Steel & Wire Co. (Carriage; Hat; Coil; Couch; Rocker; Railway) .....C

Pittsburg Spring & Steel Co., Farmers' Bank Bldg. (Trolley; Agricultural Implement; Air Brake; Car; Elliptic; Coil or Spiral; Machinery Wire) .....AA

Simonds Mfg. Co. (Brush Holder for Electric Railways) .....C

Union Spring & Mfg. Co., Frick Bldg. (Coil & Elliptic Car; Machinery; Locomotive Equipment; Railway Equipment; Coil or Spiral) .....B

**PA.—Reading**  
Reading Hardware Co. (Check; Window) .....AAAA

**PA.—Wilkesbarre**  
Sheldon Axle Co. (Carriage; Wagon; Coil or Spiral; Elliptic) .....AAA

**R. I.—Pawtucket**  
Haskell Mfg. Co., Wm. H. (Clearer) .....A

**R. I.—Phillipsdale**  
Washburn Wire Co. (Clock; etc.; Wire) .....AAAA

**R. I.—Providence**  
Davol Rubber Co. (Door; Rubber) .....AA

**VT.—Montpelier**  
Sabin Mach. Co. (Agricultural Implement; Bicycle; Coil; Door; Machinery; Wire; Oil Tempered; Organ; Piano; Governor; Piano Player; Steel) .....E

**WIS.—Milwaukee**  
Hirsch Bros. (Bolster; Carriage; Wagon) .....D

**WIS.—Racine**  
Adams & Son, E. B. (Wagon) .....C

Higgins Spring & Axle Co. (Carriage; Wagon) .....B

Racine General Mfg. Co. (Carriage) .....E

Racine Malleable & Wrought Iron Co. (Wagon) .....B

Racine Pole & Spring Co. (Bolster; Carriage; Wagon) .....X

**SPRINKLERS**

**CONN.—Bridgeport**  
Belknap Mfg. Co. (Hose) .....C

**CONN.—New Britain**  
Union Mfg. Co. (Garden; Lawn) .....AA

**CONN.—New Haven**  
Foskett & Bishop Co. (Automatic Fire) .....B

Hotchkiss & Co., E. M. (Lawn) .....F

Peck Bros. & Co. (Garden Hose; Lawn Hose) .....A

**ILL.—Aurora**  
Wilcox Mfg. Co. (Lawn) .....B

**ILL.—Chicago**  
Clow & Sons, Jas. B., 342 Franklin (Park; Arm Revolving Sprayer; etc.) .....A

Illinois Malleable Iron Co., 30 W. Monroe (Fire) .....AAAA

Independent Fire Sprinkler Co., 30 W. Monroe (Automatic Fire) .....E

**ILL.—Harvey**  
Austin Mfg. Co., F. C. (Street) .....AA

**ILL.—Moline**  
Moline Pump Co. (Lawn) .....A

**SPRINKLERS (Con.)**  
**IOWA**—Des Moines  
 Chemical Fire Engine Co.  
 (Automatic Fire) .....H  
**IOWA**—Ottumwa  
 Johnston & Sharp Mfg. Co.  
 (Lawn) .....D  
**KY.**—Louisville  
 Caldwell Co., W. E. (Auto-  
 matic Fire; Complete  
 Plants Erected) .....A  
**MASS.**—Boston  
 Braman, Dow & Co., 230  
 Causeway (Automatic  
 Fire) .....A  
 Hersey Mfg. Co., 314 W. 2d  
 (Hose) .....AA  
 Jones & Co., M. D., 71 Port-  
 land (Lawn) .....F  
 Wolworth Mfg. Co., 132  
 Federal (Automatic Fire;  
 Lawn) .....AAAA  
**MASS.**—Haydenville  
 Haydenville Co. (Lawn;  
 Hose) .....B  
**MASS.**—South Boston  
 Hersey Mfg. Co. (Garden  
 Hose; Lawn Hose) ..AA  
**MASS.**—Springfield  
 Blair Mfg. Co. (Lawn) ..C  
 Stebbins Mfg. Co., E.  
 (Lawn) .....B  
**MASS.**—Taunton  
 Taunton Locomotive Mfg.  
 Co. (Street) .....AA  
**MASS.**—Worcester  
 Hamblin & Russell Mfg. Co.  
 (Wire Clothes) .....B  
**MICH.**—Detroit  
 Buckley-Hart Mfg. Co., 527  
 Franklin (Lawn) .....D  
 Detroit Lead Pipe & Sheet  
 Lead Works (Lawn) ...A  
 Standard Sanitary Mfg. Co.  
 of Michigan, 942 Cham-  
 plain (Lawn) .....X  
**MICH.**—Jackson  
 Aspinwall Mfg. Co. (Pota-  
 to) .....A  
**MICH.**—Traverse City  
 Potato Implement Co. (Po-  
 tato) .....E  
**MO.**—St. Louis  
 Kupferle, Jno. C., 2d &  
 Mound (Lawn) .....A  
 Pleuger & Henger Mfg. Co.  
 11th & Hebert (Lawn).A  
**N. H.**—Concord  
 Abbott-Downing Co.  
 (Street) .....X  
**N. H.**—Laconia  
 Esty Sprinkler Co., N. Mill  
 (Automatic Fire) .....A  
**N. J.**—Hightstown  
 Peppier, Thomas (Two  
 Row Potato) .....D  
 Shangle, John R. (Potato)  
 .....C  
**New York City**  
 Empire Rubber Mfg. Co.  
 (Garden; Lawn) ....AA  
 Haydenville Co. (Hose) ..A  
 McNab & Harlin Mfg. Co.,  
 56 John (Lawn) ....AA  
 Manufacturers' Automatic  
 Sprinkler, 56 Liberty (Au-  
 tomatic Fire) .....A  
 Mattson Rubber Co. (Gar-  
 den; Lawn) .....D  
 Mott Iron Wks., J. L., 88  
 Beekman (Lawn) ....AA  
 Simmons Co., John, 106  
 Centre (Automatic Fire)  
 .....AA  
 Westervelt, A. B. & W. T.,  
 102 Chambers (Lawn).B  
**N. Y.**—Rochester  
 Pullman Mfg. Co. (Lawn)  
 .....C  
**OHIO**—Akron  
 Goodrich Co., B. F. (Gar-  
 den; Lawn) .....AAAA  
**OHIO**—Canton  
 Kohler & Co., F. E. (Lawn)  
 .....C  
**OHIO**—Cincinnati  
 McGowan, Co., John H.  
 (Lawn) .....A  
**OHIO**—Cleveland  
 Cleveland Lock Co., Wason  
 & Hamilton (Lawn) ...D  
 Cleveland Stamping & Tool  
 Co., Hamilton near Col.

**SPRINKLERS (Con.)**  
 (Adjustable Lawn).....C  
**OHIO**—Hamilton  
 Meyers Mfg. Co., Fred  
 (Lawn) .....B  
**OHIO**—Mansfield  
 Humphreys Mfg. Co.  
 (Lawn) .....A  
**OHIO**—Salem  
 Deming Co. (Potato; Lawn)  
 .....A  
**OHIO**—Toledo  
 Yost Electric Mfg. Co.  
 (Lawn) .....D  
**PA.**—Erie  
 Hays Mfg. Co. (Lawn) ..B  
**PA.**—Macungie  
 Neumeyer H. F. (Lawn).E  
**PA.**—Philadelphia  
 Boeckel & Co., Wm., 518  
 Vine (Hose; Bath; Cock;  
 &c.) .....A  
 Enterprise Mfg. Co., 8rd  
 & Dauphin (Lawn)AAAA  
 Francis Bros. & Jellett  
 (Inc.) 245 N. Broad (Au-  
 tomatic Fire) .....F  
 International Sprinkler Co.,  
 517 Arch (Automatic Fire;  
 Wet; Dry Pipe Systems)  
 .....A  
 Philadelphia Lawn Mower  
 Co., 3107 Chestnut(Lawn)  
 .....B  
**R. I.**—Pawtucket  
 Collyer Machine Co. (Auto-  
 matic Fire) .....C  
**R. I.**—Providence  
 Davol Rubber Co. (Rubber;  
 Plant; Shampoo) ....AA  
 General Fire Extinguisher  
 Co. (Automatic Fire)  
 .....AAAA  
**S. C.**—Spartanburg  
 Morgan Iron Wks. (Auto-  
 matic Fire) .....C

## SPROCKETS

**MASS.**—Boston  
 Boston Gear Wks., Pur-  
 chase & Pearl (Mchy.)..B  
**N. Y.**—Buffalo  
 Keim, John R. (Bicycle)  
 .....AA  
**PA.**—Mechanicsburg  
 Wilcox Mfg. Co., D. (Bicy-  
 cle) .....B

## SPRUCE

See Lumber

## SPRUES

**CONN.**—Clinton  
 Kelsey Horatio (Moulders')  
 .....E

## SPUDS

**MICH.**—Jackson  
 Withington & Cooley Mfg.  
 Co. (Tobacco, Dandelion)  
 .....AA  
**N. Y.**—Buffalo  
 White Co., L. & I. J.  
 (Bark) .....A  
**OHIO**—Canton  
 Buckeye Mfg. Co. (Elec-  
 tric) .....D  
**OHIO**—Cincinnati  
 Bishop & Co., Geo. H.  
 (Tobacco; Dandelion)..A  
**OHIO**—Cleveland  
 American Fork & Hoe Co.  
 (Tobacco; Dandelion)  
 .....AAAA  
**OHIO**—Clyde  
 Clyde Cutlery C. (Tobacco)  
 .....D  
**PA.**—Eldred  
 Prouty & Co., C. (Bark).B  
**PA.**—Honesdale  
 White Axe Co., G. ....D  
**PA.**—Warren  
 Warren Axe & Tool Co.  
 (Bark) .....B  
**WIS.**—Oshkosh  
 Sanford Logging Tool Co.  
 (Bark) .....D

## SPURS

**CONN.—New Britain**  
North & Judd Mfg. Co.  
(Malleable Iron; Solid  
Brass) .....AA  
**CONN.—New Haven**  
North & Co., O. B. ....AA  
**N. J.—Newark**  
Baldwin & Co., Jos. ....D  
Buermann, August .....B  
Mehlbach Saddle Co.  
(Riding) .....C  
Peters Harness & Saddlery  
Co. ....C  
**OHIO—Canton**  
Elbel & Co. ....B  
**TENN.—Chattanooga**  
Southern Saddlery Co. ....A

## SQUARES

**CONN.—Hartford**  
Billings & Spencer Co.  
(Caliper) .....A  
**CONN.—New Britain**  
Russell & Erwin Mfg. Co.  
(Iron; Steel) .....AAAA  
Stanley Rule & Level Co.  
(Iron; Steel; Try; Mitre)  
AA  
**CONN.—New Haven**  
Hoggson & Pettes Mfg. Co.  
(Machinists) .....A  
**CONN.—Southington**  
Peck, Stow & Wilcox Co.  
(Iron; Steel; Plate Glass;  
Machinists) .....AAAA  
Southington Cutlery Co.  
(Iron; Steel) .....AA  
**CONN.—Thomsonville**  
Hartford Carpet Corp.  
(Ingrain) .....AAAA  
**ILL.—Chicago**  
Dietzgen Co., Eugene, 181  
Monroe ("T") .....A  
**IND.—Indianapolis**  
Atkins & Co., E. C. (Fry;  
Mitre) .....AAA  
**IOWA—Ottumwa**  
Nicholls Mfg. Co. (Iron;  
Steel; Framing) .....D  
**MASS.—Athol**  
Athol Machine Co. (Bevel;  
Combination; Iron; Steel;  
Machinists; Center Try;  
Mitre; Adjustable) ....B  
Standard Tool Co. (Center;  
Combination; Steel; Steel  
Hardened; Try) .....X  
Starrett Co., L. S. (Bevel;  
Caliper; Combination Iron;  
Steel; Machinists Try;  
Mitre; "T"; Double Ton-  
gue) .....A  
**MASS.—Boston**  
Welch & Co., T. F., 65  
Sudbury ("T") .....D  
Wyke & Co., J., 50 Saratoga  
("T") .....D  
**MASS.—Chicopee Falls**  
Stevens Arms & Tool Co.,  
J. (Machinists) .....A  
**MASS.—Fitchburg**  
Sawyer Tool Mfg. Co. (Com-  
bination; Iron; Steel;  
Machinists; Try; Mitre;  
Adjustable; Steel Hard-  
ened; "T") .....C  
**MASS.—Greenfield**  
Goodell-Pratt Co. (Carpen-  
ters' Combination; Ma-  
chinists) .....B  
**MASS.—Reading**  
Pierce Organ Pipe Co.  
(Organ) .....C  
**MASS.—Shelburne Falls**  
Mayhew & Co., H. H. ....C  
**MASS.—Springfield**  
Bemis & Call Hardwarde &  
Tool Co. (Iron; Steel  
Pocket) .....A  
**N. J.—Irvington**  
Belcher Bros. & Co. (Dress-  
makers; Tailors; Plate  
Glass) .....X  
**New York City**  
Hammacher, Schlemmer &  
Co., 209 Bowery Caliper;  
Machinists; "T"; Try;  
Mitre) .....AAA  
Keuffel & Esser Co., 127

## SQUARES (Con.)

Fulton (Iron; Steel; Try;  
Mitre; "T") .....AA  
Sargent & Co., 151 Leonard  
(Iron; Steel; Machinists)  
AAAA  
Soltmann, E. G., 125 E. 42d  
("T"; Triangles) .....B  
**N. Y.—Rochester**  
American Drafting Furni-  
ture Co., 223 Mill (Mov-  
able "T") .....E  
**PA.—Bristol**  
Leedom & Co., Thos. L.  
(Ingrain) .....AAA  
**PA.—Philadelphia**  
Bromley Bros. (Ingrain) .A  
Bromley, Jas. & Geo. D.  
(Ingrain) .....B  
Dobson, John & Jas. (In-  
grain) .....AAAA  
Holmes & Sons, Henry (In-  
grain) .....A  
Ivins, Dietz & Magee (In-  
grain) .....AAAA  
**PA.—Pittsburg**  
Kopp & Co., Geo. L., 538  
T. Smithfield ("TT")...D  
Stieven Co., Wm. E., 644  
Smithfield ("T") .....D  
**PA.—Tacony**  
Disston & Sons (Inc.) Henry  
(Bevel; Combination; Iron  
Steel; Machinists; "T";  
Try; Mitre) .....AAAA  
**R. I.—Providence**  
Brown & Sharpe Mfg. Co.  
(Caliper; Combination;  
Machinists; Iron; Steel;  
Try) .....AAAA

## SQUASH

See Canned Goods

## SQUEEZERS

Hotchkiss, Edward S.  
(Lemon) .....A  
Knapp & Cowles Mfg. Co.  
(Lemon) .....C  
**CONN.—Meriden**  
Manning, Bowman & Co.  
(Lemon) .....AAAA  
Parker Co., Chas. (Lemon)  
AAA  
**CONN.—New Britain**  
Landers, Frary & Clark  
(Lemon) .....AAA  
**ILL.—Chicago**  
Bartlett & Son, M. J., 196 S.  
Clark (Lemon) .....H  
Nicol & Co. (Lemon) .....D  
**ILL.—Freeport**  
Arcade Mfg. Co. (Lemon), A  
**IND.—Indianapolis**  
Tucker & Dorsey Mfg. Co.  
(Wooden; Lemon) .....A  
**MASS.—Somerville**  
Birch Bros. ....D  
**MASS.—Springfield**  
Springfield Machine Screw  
Co. (Lemon) .....D  
**MO.—St. Louis**  
Pleuger & Henger Mfg. Co.  
(Lemon) .....A  
**N. J.—Newark**  
Sommer's Son, John (Lemon)  
B  
**N. J.—Paterson**  
Watson Machine Co. ....A  
**N. Y.—Brooklyn**  
Bliss Co., E. W. ....AAAA  
Union Porcelain Works  
(Lemon) .....B  
**N. Y.—Buffalo**  
Shepard & Co., Sidney  
(Lemon) .....AAAA  
West Mfg. Co. ....D  
**New York City**  
Ioewenstein, Max (Lemon;  
Glass) .....X  
Silver & Co. (Inc.) (Lemon;  
Glass) .....X  
**OHIO—Ravenna**  
Williams, A. C. (Lemon), A  
**PA.—Danville**  
Curry & Vannan (Puddle  
Ball) .....A  
**PA.—Erie**  
Erie Specialty Co. (Lemon)  
B  
Reed Mfg. Co. (Lemon) ...B

**SQUEEZERS (Con.)**

**PA.—New Brighton**  
 Logan & Strobbridge Iron Co.  
 (Lemon) .....B  
**PA.—Philadelphia**  
 Philadelphia Roll & Machine  
 Co., 23d & Wash. Av.  
 (Puddle Ball) .....A  
**PA.—Pittsburg**  
 Garrison Foundry Co., A.,  
 9th & Bingham (Rotary  
 Puddle Ball) .....AAA  
**PA.—Pittsburg**  
 Hogg Iron & Steel Foundry  
 Co., G. A. (Puddle Ball) .....A  
 Lewis Foundry & Machine  
 Co., 1001 Bingham (Ro-  
 tary) .....A  
 Mesta Machine Co. (Puddle  
 Ball) .....AAA  
 United Engineering & Found-  
 ry, 54th & A. V. Ry.  
 (Rotary) .....AAAA  
**PA.—Reading**  
 Penn Hardware Co. (Lemon)  
 .....AA  
**R. I.—Providence**  
 Textile Finishing Machinery  
 Co., 17 Exchange Pl.  
 .....AAAA

**SQUIBS**

**PA.—Plymouth**  
 Powell, J. R. (Miners) ...D  
**PA.—St. Claire**  
 Miners Supply Co. (Miners)  
 .....B  
**PA.—Wilkesbarre**  
 Luzerne Cap Co. (Miners) H

**SQUILGEES**

**ILL.—Chicago**  
 Bosley Co., D. W. (Rubber)  
 .....B  
 Halsler Bros. Co., 8 So.  
 Franklin (Rubber Floor) E  
**MO.—St. Louis**  
 Nevins Mfg. Co. (Double  
 Rubber) .....F  
**New York City**  
 Goodyear Rubber Co. (Rub-  
 ber) .....AAAA  
 Gutta Percha & Rubber Mfg.  
 Co. (Rubber) .....AAAA

**STACKERS**

See also Agr. Imps

**STACKS**

**GA.—Augusta**  
 Lombard Iron Works & Sup-  
 ply Co. (Smoke) .....A  
**ILL.—Chicago**  
 Stirling Co. (Steel; Self-Sup-  
 porting Smoke) .....AAAA  
**IOWA.—Burlington**  
 Murray Iron Works Co.  
 (Smoke) .....A  
**LA.—New Orleans**  
 New Orleans Roof & Metal  
 Works (Smoke) .....B  
**MAINE.—Portland**  
 Portland Co. (Smoke) ...AA  
**MASS.—Boston**  
 Hodge & Co., E. (Smoke), A  
**MASS.—Waltham**  
 Davis & Farnum Mfg. Co.  
 (Steel Plate; Smoke) ...B  
**MINN.—Minneapolis**  
 Howell & Co., R. R.  
 (Smoke) .....B  
**MISS.—Meridian**  
 Soule Steam Feed Works  
 (for Lumber) .....C  
**MO.—St. Louis**  
 Wangler Boiler & Sheet Iron  
 Works Co., J. F. (Smoke)  
 .....A  
**N. Y.—Brooklyn**  
 Clonbrock Steam Boiler Co.  
 (Smoke; Steel; Self-Sup-  
 porting Smoke) .....D  
 Logan & Son, Fairrell  
 (Smoke) .....B  
**New York City**  
 Fenton Metallic Mfg. Co.,  
 346 Bway. (Book) .....A  
 Hazleton Boiler Co. (Smoke)  
 .....A  
**OHIO.—Columbus**  
 Barig Engineering Co. (Steel

**STACKS (Con.)**

Plate; Smoke) .....A  
**OHIO.—Marietta**  
 Marietta Boiler Works  
 (Steel; Self-Supporting  
 Smoke) .....A  
**OHIO.—Youngstown**  
 Pollock & Co., Wm. B.  
 (Smoke) .....AA  
**PA.—Allegheny**  
 Carlin's Sons, Thos. (Smoke)  
 .....A  
**PA.—Harrisburg**  
 Harrisburg Mfg. & Boiler Co.  
 (Smoke) .....B  
**PA.—Pittsburg**  
 Munrie & Son, R. (Smoke)  
 .....AA  
 Ritter-Conly Co. (Smoke)  
 .....AA  
**PA.—Warren**  
 Struthers, Wells & Co.  
 (Smoke) .....AA  
**PA.—Waynesboro**  
 Frick Co. (Smoke) ....AAA  
**PA.—Wilkesbarre**  
 Vulcan Iron Works (Smoke)  
 .....AAAA  
**PA.—York**  
 York Mfg. Co. (Smoke).AA  
**VT.—Fair Haven**  
 Dalrymple Iron Works  
 (Smoke) .....F  
**WIS.—Eacine**  
 Freeman & Sons Mfg. Co., S.  
 (Smoke) .....A

**STAFFS**

**ILL.—Chicago**  
 Dietzgen Co., Eugene (Ar-  
 tists' Umbrella) .....A  
**ILL.—Freeport**  
 Stover Mfg. Co. (Flag), AA  
**KANS.—Leavenworth**  
 Great Western Mfg. Co.  
 (Grist Mill; Proof). ...AA  
**MASS.—Boston**  
 Boston Regalia Co., 7 Tem-  
 ple Place (Banner) ....F  
**MO.—St. Louis**  
 Nelson Mfg. Co., N. O. (Iron  
 Flag) .....AAA  
**N. Y.—Buffalo**  
 Nore Mfg. Co., John T.  
 (Grist Mill; Proof) ....D  
**New York City**  
 Goldberg, Samuel (Artists  
 Umbrella). .....E

**STAGES**

See also Carriages & Wagons

**CONN.—New Haven**  
 Goodrich & Co., J. F. ....AA  
**ILL.—Chicago**  
 Sherman, I. N. W. ....A  
**PA.—Philadelphia**  
 Fulton & Walker Co., 35 N.  
 20th .....AA

**STAIN**

See also Paints

**COLO.—Denver**  
 Hallock Paint, Oil & Glass  
 Co. (Wood) .....A  
**CONN.—New Milford**  
 Bridgeport Wood Finishing  
 Co. (Wood) .....AA  
**ILL.—Chicago**  
 Adams Etting Co. (Wood) A  
 Chicago Wood Finishing Co.  
 (Wood) .....A  
 Heath & Milligan Mfg. Co.  
 (Water) .....AAA  
 Rubber Paint Co. (Varnish)  
 .....A  
 Wadsworth-Rowland Co., In-  
 diana Av. & 18th (Shingle;  
 Wood) .....A  
**IND.—Terre Haute**  
 American Asbestos Co.  
 (Shingle; Wood) .....D  
**LA.—New Orleans**  
 McWilliams, R. (Ltd.)  
 (Varnish; Water; Wood)  
 .....X  
**MASS.—Boston**  
 Baker & Co., Charles F.  
 (Shoe) .....A  
**MASS.—Lynn**  
 Crooker, John W. & McKen-

**STAIN (Con.)**  
 sie Mfg. Co. (Shoe) .....C  
 Kent & Smith (Shoe) .....D  
**MICH.**—Detroit  
 Acme White Lead Works  
 (Varnish) .....AAA  
**MO.**—St. Louis  
 Mound City Paint & Color  
 Co. (Varnish; Wood) ..AA  
**N. J.**—Jersey City  
 Woolsey Paint & Color Co.,  
 C. A. (Varnish; Wood), A  
**N. Y.**—Brooklyn  
 Moore & Co., Benjamin  
 (Wood) .....AA  
 Wiarda & Co., John C.  
 (Pink) .....AA  
**New York City**  
 F. W. Devoe & C. T. Rey-  
 nolds Co., Fulton & Wil-  
 liam (Wood; Shingle)  
 AAAAA  
 Gerstendorfer Bros. (Var-  
 nish) .....B  
 Johns Mfg. Co., H. W.  
 (Wood) .....X  
 Longman & Martinez  
 (Wood) .....AAA  
 Pierce Co., F. O. (Varnish;  
 Wood) .....A  
 Pratt & Lambert (Inc.)  
 (Wood) .....B  
 Zinsser & Co., W. (Wood) A  
**N. Y.**—Troy  
 Conners Paint Mfg. Co.,  
 Wm. (Shingle; Wood) ..A  
**OHIO**—Cleveland  
 Billings-Chapin Co. (Var-  
 nish; Wood) .....A  
**PA.**—Philadelphia  
 Harkinson & Co., Robert  
 (Shoe) .....D  
 Lucas & Co., John (Water;  
 Wood; Shingle) .....B  
 Nice, Eugene E., 272 So. 2d  
 (Shingle; Wood) .....A  
**PA.**—Pittsburg  
 Lawrence & Co., W. W.  
 (Varnish) .....AA  
**R. I.**—Providence  
 United States Gutta Percha  
 Paint Co. (Varnish) ....A  
**S. C.**—Summerville  
 Summerville Fernoline  
 Works (Wood) .....X

## STAIRCASES

**KANS.**—Emporia  
 Jones & Sons, Jos. (Iron), D  
**MO.**—St. Louis  
 Christopher & Simpson Arch  
 Iron & Fdy. Co. (Orna-  
 mental Iron) .....AA  
**N. Y.**—Baldwinsville  
 Morris Machine Works (Iron  
 Spiral) .....A  
**N. Y.**—Brooklyn  
 Hecla Iron Works (Iron  
 Spiral) .....AA  
**New York City**  
 Fiske, J. W. (Iron Spiral) A  
 Atis Elevator Co., 71 Bway.  
 (Moving) .....AAAA  
 Reno Inclined Elevator Co.,  
 551 W. 35th (Moving) ..E  
**OHIO**—Springfield  
 Rogers Iron Works (Iron) B  
**PA.**—Mechanicsburg  
 Potts Mfg. Co. (Iron) ....E  
**PA.**—Philadelphia  
 Link Belt Engineering Co.  
 (Moving) .....AA  
**S. C.**—Spartanburg  
 Morgan Iron Works (Iron  
 Spiral) .....C

## STAIRS

**ILL.**—Chicago  
 True & True Co., 810 W.  
 19th (Wood) .....A  
**MICH.**—Detroit  
 Kotcher, Chas. W. (Wood)  
 AA  
**MINN.**—Minneapolis  
 Flour City Ornamental Iron  
 Works (Bronze) .....B  
**MO.**—Kansas City  
 Kansas City Wire & Iron  
 Works (Iron) .....B  
 Ludlow-Saylor Wire Co.  
 (Iron; Steel) .....AA  
**N. J.**—Boonton  
 Lincoln Iron Works (Iron) B

**STAIRS (Con.)**  
**N. Y.**—Brooklyn  
 Hecla Iron Works (Iron) AA  
**N. Y.**—Kingston  
 Palen's Sons, H. W. (Wood)  
 A  
**New York City**  
 Cornell, J. B. & J. M. (Iron)  
 AA  
**OHIO**—Cincinnati  
 Stewart Iron Works (Iron;  
 Steel) .....A  
**OHIO**—Columbus  
 Forest City Steel & Iron Co.  
 (Iron; Steel) .....A  
 Van Dorn Iron Works Co.  
 (Iron; Steel) .....AA  
**OHIO**—Hamilton  
 Meyers Mfg. Co., Fred. J.  
 (Iron; Steel) .....B  
**OHIO**—Kenton  
 Champion Iron Co. (Iron)  
 AA  
**OHIO**—Springfield  
 Rogers Iron Co. (Iron) ....C  
**OHIO**—Toledo  
 Donovan Wire & Iron Co.  
 (Iron; Steel) .....C  
**PA.**—Eilwood City  
 Glen Mfg. Co. (Iron; Steel)  
 D  
**PA.**—Nazareth  
 Nazareth Foundry & Machine  
 Co. (Iron; Steel) .....B  
**PA.**—Philadelphia  
 Shannon Mfg. Co. (Iron) ..C  
**PA.**—Pittsburg  
 Kratzer & Co., W. N. (Iron;  
 Steel) .....D  
**PA.**—Rochester  
 Miller & Sons, Wm. (Wood)  
 A  
**PA.**—So. Bethlehem  
 Bethlehem Foundry & Ma-  
 chine Co. (Iron; Steel) ..C  
**PA.**—York  
 Variety Iron Works (Iron) A  
**TENN.**—Memphis  
 Chicasaw Iron Works (Iron)  
 A  
**WIS.**—Malwaukee  
 Bagley & Sons Co., Wm.  
 (Iron; Steel) .....A  
 Willer Mfg. Co. (Wood) ..A

## STAKES

**CONN.**—Southington  
 Peck, Stow & Wilcox Co.  
 (Tinners') .....AAAA  
**MINN.**—Minneapolis  
 Kilgore Machine Co. (Log-  
 ging Car) .....X  
**N. Y.**—Buffalo  
 Niagara Machine & Tool  
 Works (Tinners'; Cornice  
 Makers') .....AAA  
 West Mfg. Co. (Tinners'), D  
**PA.**—Easton  
 Bangor Excelsior Slate Co.  
 (Slaters') .....A  
**PA.**—Philadelphia  
 Plumb, Fayette R. (Cornice  
 Makers') .....AA

## STALKS

**New York City**  
 Estes & Sons, E. B., 45 John  
 (Whip) .....AA

## STALLS

**ILL.**—Edwardsville  
 Illinois Marble Co. (Slate) C  
**MASS.**—Cambridge  
 Hall & Co., Chas. E. (Mar-  
 ble) .....A  
**MO.**—St. Louis  
 Nelson Mfg. Co., N. O.  
 (Marble Urinal) .....AAA  
**PA.**—Lynnport  
 New York Standard Slate  
 Works (Slate Urinal) ...D  
**VT.**—Fairhaven  
 Fairhaven Marble & Marble-  
 ized Slate Co. (Closet Uri-  
 nal) .....B  
**VT.**—Portney  
 Fleming Slate Co. (Slate  
 Urinal) .....C

## STAMPED WARE

See Tinware

## STAMPING

See also Hardware; Carriage

CONN.—Bristol  
Smith, Ira B. (Sheet Metal) ..B

CONN.—Plainville  
Clark & Son, A. N. (Bicycle) ..O

CONN.—Waterbury  
Waterbury Brass Co. (Sheet Metal) ..AAAA

CONN.—Winsted  
Goodwin & Kints Co. (Sheet Metal) ..D

ILL.—Chicago  
Acorn Brass Mfg. Co., 206 Fulton (Sheet Metal) ...B

MASS.—Attleboro  
Mossberg Co., Frank (Sheet Metal) ..B

MASS.—Worcester  
Bay State Stamping Co. (Sheet Metal) ..E

Wilson & Smith (Sheet Metal) ..D

N. J.—Newark  
Jenkinson & Co., R. C. (Sheet Metal) ..A

N. Y.—Brooklyn  
Adriance Machine Works (Sheet Metal) ..A

Leffler & Co., Charles (Sheet Metal) ..D

N. Y.—Buffalo  
Crosby Co. (Sheet Metal) ..A

Diamond Saw & Stamping Works (Sheet Metal) ...D

N. Y.—Niagara Falls  
Metal Stamping Co. (Sheet Metal) ..B

OHIO—Cleveland  
Avery Stamping Co. (Heavy Metal; Steel) ..A

Cleveland Stamping & Tool Co. (Sheet Metal) ..C

Federal Mfg. Co. (Sheet Metal) ..AAAA

Globe Machine & Stamping Co. (Sheet Metal) ..E

Konigslow Stamping & Tool Works, E. (Sheet Metal) ..E

OHIO—Salem  
Clarke Co., W. J. (Sheet Metal) ..B

PA.—Philadelphia  
Standard Pressed Steel Co., 20th & Clearfield (Sheet Metal) ..C

PA.—Pittsburg  
Scaife & Sons Co., Wm. B. (Sheet Metal) ..AAA

E. I.—Central Falls  
Mossberg Wrench Co. (Sheet Metal) ..C

WIS.—Milwaukee  
Wrought Washer Mfg. Co. (Sheet Metal) ..A

## STAMPS

See also Mills; Machinery

COLO.—Denver  
Denver Novelty Work & Mfg. Co. (Rubber) ....E

CONN.—Bridgeport  
Hatheway Mfg. Co. (Steel) ..E

Schwerdtle Stamp Co. (Steel; Rubber; Brass; Embossing) ..G

Smith & Egge Mfg. Co. (Pencil; Self-Inking) ...A

CONN.—Bristol  
Smith, Ira B. (Steel) ....E

CONN.—New Haven  
Hoggson & Pettis Mfg. Co. (Steel; Dating; Hand; Railroad; Rubber; Self-Inking) ..A

CONN.—Waterbury  
Blake & Johnson (Steel) ..A

DEL.—Wilmington  
Hilles & Jones Co. (Steel) ..AA

## STAMPS (Con.)

ILL.—Chicago  
Baird Mfg. Co., 23 Mich (Dating; Time) .....G

Consolidated Press & Tool Co., 95 No. Clinton (Steel) ..D

Hanson, C. H. (Boot; Shoe) ..B

Perry Time Stamping Co., 80 So. Canal (Time) .....D

Swisher Mfg. Co., R. D. (Rubber) .....D

Wood & Co., Charles H. (Ribbon) .....F

IND.—Evansville  
Ellert, C. H. (Rubber) ....F

MD.—Baltimore  
Dorman Co., J. F. W. (Steel; Rubber) .....F

MASS.—Boston  
Automatic Time Stamp Co., 160½ Congress (Time), ..B

Becker Name Plate Co. (Steel) .....B

Harvey, H. H. (Steel) ....B

Powers & Co., J. M. (Boot; Shoe; Dating) .....B

Webster & Co., F. S. (Ribbon) .....AA

Woodman Mfg. & Supply Co., R. (Perforating; Dating Railroad Ticket) ...F

MASS.—Brookton  
Snell & Atherton (Boot) ..B

Tuck Mfg. Co. (Boot) ....B

MASS.—Springfield  
Morgan, Crossman & Co. (Dating) .....D

Smith Mfg. Co., R. H., 293 Main (Air Cushion; Dating; Rubber; Metal Self-Inking; Time; Hand; Numbering; Pencil; Pocket; Perforating; Post Office; Railroad; Ribbon) ..C

MASS.—Westfield  
Smith Mfg. Co., H. B. (Time) .....AA

MASS.—Worcester  
Wilson & Smith (Steel) ...D

MICH.—Detroit  
Anderson & Sons, Wm., H. (Steel) .....C

Detroit Rubber Stamp Co., 99 Griswold (Steel; Ribbon; Post Office Rubber) ..B

Michigan Printing & Stamp Co. (Railroad) .....X

MINN.—St. Paul  
North Western Stamp Wks. (Log) .....E

MO.—St. Louis  
Barnard Stamp Co. (Dating; Rubber) .....E

N. Y.—Brooklyn  
Adriance Machine Works, 254 Van Brunt (Steel) ..A

Bliss Co., E. W. (Steel) ..AAAA

Leffler & Co., Charles (Steel) .....D

N. Y.—Buffalo  
Howard Iron Works (Steel) (Steel) .....AA

Niagara Machine & Tool Works (Steel) .....AAA

New York City  
American Bank Note Co. (Postage) .....AAA

American Railway Supply Co. (Dating) .....B

Brooks & Co., E. J. (Post Office) .....B

Buck Mfg. Co., T. S., 211 Canal (Rubber) .....C

Butler, A. G., 248 Pearl (Steel) .....F

Carragan, Geo. (Steel; Rubber) .....D

Cushman & Dennison Mfg. Co., 240 W. 23d (Dating; Numbering) .....O

Everson & Reed (Rubber) ..F

Force & Co., Wm. A. (Hand Rubber) .....B

Imhauser & Co., E. 206 Bway. (Automatic Time) ..C

Ingersoll & Bro., Robt. H., 51 Maiden Lane (Dating) ..A

Loyd Co., Jno., 558 Water (Steel) .....B



**STAMPS (Con.)**  
 Nanz & Co., C., 122 Duane  
 (Time) .....F  
**New York City**  
 Ness, Jr., Geo. M., 61 Ful-  
 ton (Rubber; Steel; Brass  
 Metal) .....G  
 New York Stencil Works  
 (Steel; Dating; Hand;  
 Numbering; Pencil; Pock-  
 et; Perforating; Railroad  
 Ribbon; Rubber; Self-  
 Inking) .....D  
 Stafford, Nelson (Steel;  
 Rubber) .....F  
 Stimpson & Son, E. B.  
 (Boot) .....A  
 N. Y.—Niagara Falls  
 Metal Stamping Co., (Steel)  
 B  
 N. Y.—Syracuse  
 Franklin Mfg. Co., H. H.  
 (Dating Railroad Ticket)  
 C  
**OHIO—Cincinnati**  
 Cressler, Wm. T. (Steel;  
 Hand) .....C  
**OHIO—Cleveland**  
 Globe Machine & Stamping  
 Co. (Steel) .....E  
 Konigslow Stamping & Tool  
 Works, E., 184 Champlain  
 (Steel) .....E  
**PA.—Bloomsburg**  
 Richard Mfg. Co. (Ltd.)  
 (Steel) .....C  
**PA.—Harrisburg**  
 Hickok Mfg. Co., W. O.  
 (Hand) .....AA  
**PA.—Philadelphia**  
 Hill Mfg. Co., B. B. (Da-  
 ting; Numbering; Perfor-  
 ating; Railroad Ticket;  
 Rubber) .....B  
 Quint & Sons, S. H. (Steel;  
 Brass; Hosiery) .....B  
 Riggs & Bro., 310 Market  
 (Time) .....B  
**WIS.—Milwaukee**  
 Schwaab Stamp & Seal Co.  
 (Metal; Rubber; Steel) X

## STANCHIONS

**CONN.—Forestville**  
 Barnard & Co., S. M. (Cat-  
 tle) .....F  
**MASS.—Boston**  
 Edison Mfg. Co. (Hand Rope)  
 B  
 Prescott, Edwin (Cattle), B  
**MICH.—Monroe**  
 Wilder-Strong Implement  
 Co. (Cattle) .....E  
**New York City**  
 Tiebout, W. & J., 118  
 Chambers (Hand Rope), B  
 N. Y.—Rochester  
 Rochester Steel Stanchion  
 Co. (Steel; Cattle) .....X  
 N. Y.—Warsaw  
 Warsaw Elevator Co. (Cat-  
 tle) .....B

## STANDARDS

**CONN.—Meriden**  
 Bradley & Hubbard Mfg. Co.  
 (Lamp) .....AAAA  
 Miller & Co., Edward  
 (Lamp) .....AAA  
**CONN.—New Haven**  
 Cowles & Co., O. (Inc.)  
 (Canopy) .....A  
 Seward & Son, M. (Canopy)  
 A  
 N. J.—Newark  
 Weston Electrical Inst. Co.  
 (Laboratory) .....A  
 N. Y.—Auburn  
 Clapp Mfg. Co., E. D.  
 (Canopy) .....A  
 N. Y.—Binghamton  
 Orandal, Stone & Co.  
 (Canopy) .....A  
**New York City**  
 Frink, I. P. (Lamp) .....AA  
 N. Y.—Troy  
 Rensselaer Mfg. Co. (Floor  
 Indicator) .....C  
**OHIO—Cleveland**  
 Cleveland Hardware Co.  
 (Canopy) .....A  
**PA.—Mechanicsburg**  
 Wilcox Mfg. Co., D.

**STANDARDS (Con.)**  
 (Canopy) .....B

## STANDPIPES

See Pipes

## STANDS

See also Jardineros; Fur-  
 niture

**ALA.—Huntsville**  
 Huntsville Foundry & Ma-  
 chine Works (Nolan &  
 Jones Props.) (Emery  
 Wheel) .....B  
**CONN.—Bridgeport**  
 Bridgeport Gun Implement  
 Co. (Bicycle; Folding), A  
**CONN.—Cromwell**  
 Stevens Co., J. & E. (Sad  
 Iron; Toy) .....A  
**CONN.—Deep River**  
 Williams & Marvin (Water  
 Color) .....D  
**CONN.—Georgetown**  
 Gilbert & Bennett Mfg. Co.  
 (Umbrella; Wire; Flower  
 Pot) .....AA  
**CONN.—Meriden**  
 Bradley & Hubbard Mfg. Co.  
 (Music; Brass; Blower;  
 Umbrella; Brass; Toilet,  
 Complete) .....AAAA  
 Manning, Bowman & Co.  
 (Tea; Coffee Pot; Tile  
 Table) .....AAAA  
 Meriden Britannia Co.  
 (Flower) .....AAAA  
**CONN.—New Britain**  
 Landers, Frary & Clark  
 (Water Color; Sad Iron)  
 AAA  
**CONN.—New Haven**  
 Burgess, E. A. (Estate of)  
 (Bicycle Folding) .....E  
**CONN.—Norwich**  
 Norwich Nickel & Brass Co.  
 (Umbrella; Brass; Drap-  
 ing; Show Case; Umbrella  
 Show; Window Display) B  
**CONN.—Torrington**  
 Turner & Seymour Mfg. Co.  
 (Banner, also Bods) ....A  
**CONN.—Waterbury**  
 American Pin Co. (Banner)  
 A  
**CONN.—Winsted**  
 Goodwin & Kintz Co. (Um-  
 brella) .....D  
**ILL.—Carpentersville**  
 Illinois Iron & Bolt Co.  
 (Copying Press) .....AA  
**ILL.—Chicago**  
 Ajax Forge Co. (Switch) AA  
 Anderson, Jonas A. (Cam-  
 era) .....D  
 Barbel Wire & Iron Works  
 (Flower; Fruit; Plant;  
 Tea Coffee Pot; Soap;  
 Umbrella; Wire; Draping;  
 Sad Iron) .....B  
 Braumoeller & Son, Henry  
 (Show Case) .....B  
 Caldwell & Son Co., H. W.,  
 Western Av. & 17th  
 (Floor; Mule Pulley) ...A  
 Chicago Wheel & Mfg. Co.,  
 39 W. Randolph (Polish-  
 ing; Emery Wheel) ....D  
 Illinois Malleable Iron Co.  
 (Boller) .....AAAA  
 Leger & Sons, Edward (Dis-  
 play; Shoe) .....F  
 McGuire Mfg. Co. (Switch)  
 A  
 Morden Frog & Crossing  
 Works (Switch) .....A  
 Nicol & Co. (Light Tea; Cof-  
 fee Pot; Sad Iron; Toy) D  
 Olbrich & Golbeck (Shaving)  
 B  
 Warren Mfg. Co., J. D.  
 (Axe; Scythe) .....B  
**ILL.—Decatur**  
 Faries Mfg. Co. (Window  
 Display) .....A  
**ILL.—East St. Louis**  
 Elliott Frog & Switch Co.  
 (Switch) .....A  
**ILL.—Freeport**  
 Stover Mfg. Co. (Tea; Coffee  
 Pot; Flower Pot; Sad  
 Iron) .....A

# STANDS (Con.)

**ILL.—Harvey**  
Buda Foundry & Mfg. Co.  
(Switch) .....A  
**ILL.—Quincy**  
Modern Iron Works (Range  
Boiler) .....B  
**ILL.—Rockford**  
East Rockford Mantle Co.  
(Jardiniere) .....A  
**IND.—Indianapolis**  
Udell Works (Ironing) ...A  
**IND.—Mishawaka**  
Dodge Mfg. Co. (Floor) AAA  
**IND.—South Bend**  
Bowsher Co., N. P. (Banner)  
B  
**IOWA—Cedar Rapids**  
Adams Mfg. Co., A. L.  
(Hammock) .....F  
**KY.—Louisville**  
Louisville Bridge & Iron Co.  
(Switch) .....A  
**MD.—Baltimore**  
Poole Engineering & Ma-  
chine Co. (Guide Pulley).  
AA  
**MASS.—Boston**  
Boston & Lockport Block Co.  
Warren (Range Boiler), X  
Davenport, Albert H. (Hall;  
Shaving) .....AA  
Derby Desk Co. (Copying  
Press) .....AA  
Empire Laundry Machinery  
Co. (Sad Iron) .....B  
**MASS.—Boston**  
Jones & Co., Melville D.  
(Flower Pot) .....F  
Paine Furniture Co. (Shav-  
ing) .....A  
**MASS.—Chelsea**  
Low Art Tile Co. (Tile; Ta-  
ble; Window Display) ..F  
**MASS.—Gardner**  
Heywood Bros. & Wakefield  
Co. (Music; Rattan Work;  
Rattan) .....AAAA  
**MASS.—Lowell**  
Woods, Sherwood & Co.  
(Dish Wire; Tea; Coffee  
Pot; Banner; Sad Iron), O  
**MASS.—North Cambridge**  
Hews & Co., A. H. (Flower  
Pot) .....A  
**MASS.—Springfield**  
Hawkins Iron Works, R. F.  
(Switch) .....O  
Morgan Envelope Co. (Mu-  
cilage) .....AAAA  
Wason Mfg. Co. (Switch) AA  
**MASS.—Worcester**  
National Mfg. Co. (Tea; Cof-  
fee Pot) .....B  
Wire Goods Co. (Bicycle) A  
Wright Wire Co. (Flower  
Pot) .....AA  
Michigan Detri. .... rao  
**MICH.—Detroit**  
Barnum, E. T. (Flower Pot)  
B  
Northwestern Foundry &  
Supply Co., Orleans &  
Grand Boul. (Range Boil-  
er) .....D  
**MICH.—Fenton**  
Phillips & Co., A. J. (Bicy-  
cle; Folding Tub) .....A  
**MICH.—Gallen**  
Montross Richard W.  
(Hammock) .....X  
**MICH.—Grand Rapids**  
Berkey & Gay Furniture Co.  
(Hall) .....AA  
**MICH.—Port Huron**  
Crosby & Poole Co. (Store  
Display) .....X  
**MO.—St. Louis**  
Kupferle, Jno. C. (Range  
Boiler) .....A  
Ludlow-Saylor Wire Co.  
Flower Pot; Umbrella)  
AA  
St. Louis Stamping Co. (Sug-  
ar; Flour) .....AAA  
Scarritt-Comstock Furniture  
Co. (Work) .....A  
**N. H.—Nashua**  
Fletcher & Webster Furni-  
ture Co. (Umbrella; Hall)  
O  
Maine Mfg. Co. (Flower Pot)  
A

# STANDS (Con.)

**N. J.—Burlington**  
Stewart & Peterson Co.  
(Retort) .....A  
**N. J.—Hoboken**  
New York Switch & Crossing  
Co. (Switch) .....A  
**N. J.—Newark**  
Bless & Drake (Sad Iron)  
B  
Gould's Son Co., M. (Ban-  
ner) .....A  
Hemmer Bros. (Copying  
Press) .....B  
**N. J.—Smithville**  
Smith Machine Co., H. B.  
(Emery Wheel) .....A  
**N. J.—Trenton**  
Maddock & Sons, Thos. (Um-  
brella) .....AA  
**N. Y.—Albany**  
Troy Nickel Works (Stove)  
O  
**N. Y.—Brooklyn**  
Brooklyn Furniture Co.  
(Hall) .....A  
Cooper & McKee (Flour) A  
Gregory, Thos., 65 Frost  
(Galvanized Range Boiler)  
B  
Miller & Van Winkle (Bicy-  
cle) .....A  
New York Stamping Co.  
(Ginger Ale) .....A  
Simpson, J. S. & G. F., 30  
Rodney (Emery Wheel) A  
**Sweeney Mfg. Co., W. H.**  
(Water Color) .....B  
Worn & Co., Wm. F. (Hall)  
D  
**N. Y.—Buffalo**  
Aldrich & Ray Mfg. Co.  
(Umbrella; Brass) ....A  
Buffalo Wire Works Co.  
(Flower Pot; Umbrella) A  
Jewett Mfg. Co., John C.  
(Water Color Umbrella;  
Iron) .....AA  
**N. Y.—Cataaugus**  
Oakes & Burgher (Toilet;  
Complete) .....B  
**N. Y.—Herkimer**  
Horrocks Desk Co. (Copying  
Press) .....B  
**N. Y.—Hillburn**  
Ramapo Iron Works  
(Switch) .....AA  
New York City  
Conover Fire Place Mfg. Co.  
(Music; Brass) .....X  
Cordley & Hayes (Umbrella)  
A  
Crandall & Godley Co. (Win-  
dow Display) .....AA  
Estey Wire Works Co., 65  
Fulton (Flower Pot; Um-  
brella) .....B  
Fiske, J. W. (Flower; Mu-  
sic; Blower; Umbrella  
Iron; Toilet; Complete;  
Show Case) .....A  
Folmer & Schwing Mfg. Co.  
(Camera) .....B  
Gennert, G. (Camera) ...B  
Gould-Mersereau Co. (Ban-  
ner; Umbrella; Brass) ..O  
Hoe & Co., R. (Copying  
Press) .....AAAA  
Howard & Morse (Flour Pot)  
D  
Iron Clad Mfg. Co., 4 Cliff  
(Range Boiler) .....AAAA  
Judd & Co., H. L. (Blower;  
Fire Iron; Umbrella Brass)  
AA  
Koven & Bro., L. O., 50 Cliff  
(Galvanized Range Boiler)  
A  
Krieg & Co., J. K. (Ironing)  
B  
Lalanc & Grosjean Mfg. Co.  
(Umbrella; Iron Toilet  
Complete) .....AAAA  
Lamb, J. & E. (Banner) ..D  
Mace & Co., L. H. (But-  
ler's; Flower; Umbrella)  
B  
Mohr & Co., Fred (Hall) ..A  
Neppert, Francis Jr. (Mu-  
sic) .....X  
Palmenberg's Sons, J. R.  
(Umbrella; Draping;

## STANDS (Con.)

Wire) ..... B  
 Peck, Stow & Wilcox Co., 27  
 Murray (Blower; Coffee  
 Pot; Sad Iron; Umbrella)  
 AAAAA  
 Russell & Erwin Mfg. Co.,  
 43 Chambers (Umbrella)  
 AAAAA  
 Sargent & Co., Geo. F.  
 (Reading) ..... X  
 Sargent & Co., 151 Leonard  
 (Blower; Coffee Pot; Sad  
 Iron; Umbrella; Shovel;  
 Tong) ..... AAAAA  
 Slotkin & Praglin, 210 Canal  
 (Emery Wheel) ..... C  
 Sperling Bros. (Work; Rat-  
 tan) ..... F  
 Swain & Son, H. O. (Inc.)  
 (Hall) ..... D  
 Vogel & Co., F. (Hall) ... X  
 N. Y.—Poughkeepsie  
 Lane Bros. Co. (Bicycle)  
 A  
 N. Y.—Rochester  
 Castle, Wilmot & Co. (Um-  
 brella) ..... B  
 Copeland & Durgin Co.  
 (Shaving) ..... A  
 Rochester Optical Co. (Cam-  
 era) ..... A  
 Streeter & Co., N. R. (Mir-  
 ror Cheval) ..... B  
 N. Y.—Seneca Falls  
 Westcott-Jewell Co. (Bicy-  
 cle Folding) ..... D  
 N. Y.—Syracuse  
 Stearns & Co., E. C. (Bicy-  
 cle Folding) ..... AA  
 N. Y.—Troy  
 McMurray, Clarence F.  
 (Guide Pulley) ..... A  
 N. C.—Hickory  
 Martin, W. N. (Axe; Dis-  
 play) ..... X  
**OHIO—Ashland**  
 Meyers & Bro., F. C. (Bicy-  
 cle Folding) ..... AA  
**OHIO—Bucyrus**  
 Campbell Frog Works  
 (Switch) ..... A  
 Gelger & Bush (Kettle) D  
**OHIO—Cincinnati**  
 Bromwell Brush & Wire  
 Goods Co. (Flower; Um-  
 brella; Wire Flower Pot)  
 A  
 Dormette & Bros., J.  
 (Copying Press) ..... A  
 Haven Co., Jas. L. (Sad  
 Iron) ..... B  
 Kelsall Co., Thos. (Copy-  
 ing Press) ..... B  
 Kruse & Co., H. (Show  
 Case) ..... B  
 Mitchell Furniture Co., Rob-  
 ert (Work) ..... AAAAA  
 Rookwood Pottery Co. (Um-  
 brella Pottery) ..... B  
 Tatum Co., Samuel C. (Copy-  
 ing Press; Typewriter;  
 Sewing Machine) ..... B  
 Weir Frog Co. (Switch) ... A  
 Wiggers & Sons Furniture  
 Co., H. H. (Bracket) ... B  
**OHIO—Cleveland**  
 Bowler & Co. (Switch) ... B  
 Van Dorn Iron Works Co.  
 (Umbrella; Iron) .... AA  
**OHIO—Columbus**  
 Case Mfg. Co. (Floor Mule  
 Pulley) ..... A  
**OHIO—Cuyahoga Falls**  
 Holloway Co. (Reading) ... B  
**OHIO—Dayton**  
 City Forge & Iron Works  
 (Bicycle; Folding) ..... D  
 Stillwell-Bierce & Smith-  
 Valle Co. (Guide Pulley)  
 AAAAA  
**OHIO—Hamilton**  
 Krauth & Benninghofen  
 (Music; Brass) ..... A  
 Meyers Mfg. Co., F. J.  
 (Tea & Coffee Pot; Wash  
 Umbrella; Wire; Show  
 Case; Flower Pot; Sad  
 Iron; Display; Garment)  
 B  
**OHIO—Lorain**  
 Lorain Steel Co. (Switch)  
 AAA  
**OHIO—Miamisburg**  
 Allen & Co., D. H. (Collap-

## STANDS (Con.)

sible; Flower) ..... C  
**OHIO—Salem**  
 Clark Co., W. J. (Umbrella;  
 Brass) ..... B  
**PA.—Allegheny City**  
 Pitts Lamp & Brass Co.  
 (Umbrella; Brass; Screen;  
 Window Display) ... AAAAA  
**PA.—Allentown**  
 Allentown Rolling Mills  
 (Switch) ..... AAA  
**PA.—Easton**  
 Standard Emery & Supply  
 Co. (Emery Wheel) ... X  
**PA.—New Brighton**  
 Pittsburg Clay Mfg. Co.  
 (Umbrella; Pottery) AAAAA  
**PA.—Philadelphia**  
 Cresson Co., Geo. V.  
 (Guide Pulley; Floor) AA  
 Darby & Sons, Edw., 233  
 Arch (Flower Pot Umbrel-  
 la) ..... A  
 Fairmont Machine Co.  
 (Guide Pulley) ..... A  
 Fleck Bros. Co., 44 N. 5th  
 (Range Boiler) ..... A  
 Harrison's Sons, W. H.  
 (Fire; Iron) ..... F  
 Hawthorne & Sheble (Phono-  
 graph Horn) ..... B  
 Pennsylvania Steel Co.  
 (Switch) ..... AAAAA  
 Strauss, Wm. (Draping) ... F  
 Sutterley & Co., Gilbert T.  
 (Umbrella; Brass) ..... C  
 Wall Mfg. Co., R. C.  
 (Brazing; Wheel Trueing)  
 B  
 Wiler, Wm. (Banner; Um-  
 brella Brass) ..... D  
**PA.—Pittsburg**  
 Jones & Laughlins (Guide  
 Pulley; Floor) ..... AAAAA  
 Scaife & Sons Co., Wm. B.,  
 221 1st Av. (Galvanized  
 Iron Range Boiler) ... A  
 Standard Mfg. Co. (Boiler)  
 AA  
**PA.—Ryersford**  
 Ryersford Foundry & Ma-  
 chine Co. (Polishing  
 Emery Wheel) ..... C  
**PA.—So. Bethlehem**  
 Bethlehem Foundry & Ma-  
 chine Co. (Umbrella) ... C  
**PA.—Swissvale**  
 Union Switch & Signal Co.  
 AAAAA  
**PA.—Union City**  
 Novelty Wood Works  
 (Umbrella) ..... B  
**PA.—Williamsport**  
 Otto Furniture Co. (Toilet  
 Complete) ..... D  
**PA.—Wrightsville**  
 Wrightsville Hardware Co.  
 (Tea; Coffee Pot Calen-  
 der) ..... C  
**R. I.—Providence**  
 Diamond Machine Co.  
 (Emery Wheel) ..... A  
 New England Butt Co. (Sad  
 Iron) ..... A  
**R. I.—Woonsocket**  
 Woonsocket Machine & Press  
 Co. (Guide Pulley) ... AA  
**VT.—Montpelier**  
 Lane Mfg. Co. (Guide Pul-  
 ley) ..... A  
**VT.—North Bennington**  
 Cushman Mfg. Co., Henry T.  
 (Music; Umbrella) .... C  
**WIS.—Milwaukee**  
 Meinecke & Son, A. (Brack-  
 et; Enamelled & Gilt;  
 Work) ..... AA

## STANHOPES

See also Carriages

**IND.—Richmond**  
 Westcott Carriage Co. .... A  
**IND.—South Bend**  
 Studebaker-Baker Mfg. Co.  
 AAAAA  
**MASS.—Amesbury**  
 Dennett & Co., C. N. .... X  
 Hassett & Hodge ..... A

**STANHOPE (Con.)**

**MASS.**—Merrimac  
Pease & Son, S. C. ....C  
**MICH.**—Flint  
Durant-Dort Carriage Co. ....AAAA  
**MICH.**—Pontiac  
Pontiac Buggy Co. ....A  
**MO.**—St. Louis  
Union Carriage Co. ....B  
**OHIO.**—Columbus  
Buckeye Buggy Co. ....AAA

**STAPLERS**

**N. Y.**—New York City  
Hurd & Co., 578 W. B'way  
(Pin) .....D

**STAPLES**

**CONN.**—Bridgeport  
Gaynor & Mitchell Mfg. Co.  
(Wire) .....D  
**CONN.**—Georgetown  
Gilbert & Bennett Mfg. Co.  
(Fence; Wire) .....AA  
**CONN.**—New Britain  
Humason & Beckley Mfg.  
Co. (Wrought) .....A  
North & Judd Mfg. Co.  
(Hame) .....AA  
Stanley Works (Fence;  
Wrought) .....AAA  
**CONN.**—New Haven  
Sargent & Co. (Wagon Bow;  
Wire) .....AAAA  
**ILL.**—Bellefonte  
Stanley Co., Geo. W. (Barb-  
ed; Blind; Hoops) ....F  
**ILL.**—Chicago  
American Steel & Wire Co.,  
Bookery Bldg. (Wire) .....AAAA  
Chicago Tack Co., 7800  
Woodlawn Av. ....B  
Grand Crossing Tack Co.  
(Wire; Fence; Furniture) .....A  
Gibson Co., Wm. D., 23 N.  
Clinton (Wire) .....B  
Pratt Mfg. Co., Wm. E.,  
91 Lake (Barbed; Blind  
Netting; &c.) .....B  
Vaughan & Bushnell Mfg.  
Co., 877 Carroll Av. ....B  
**ILL.**—Sterling  
Dillon-Griswold Wire Co.  
(Wire) .....A  
Lawrence Bros. (Wrought  
Iron) .....AA  
**IND.**—Crawfordsville  
Crawfordsville Wire & Nail  
Co. (Wire) .....B  
**IND.**—Kokomo

Kokomo Steel & Wire Co.  
(Fence; &c.) .....AAAA  
**IND.**—Madison  
Tower Mfg. Co. (Wire  
Clamp Electricians;  
Broom; Hoop; Harness;  
Fence; &c.) .....C  
**IND.**—Muncie  
Indiana Steel & Wire Co.  
(Wire; Fence; &c.) ..A  
**KY.**—Ashland  
Norton Iron Works (Inc.)  
(Polished; Galvanized  
Wire) .....AA  
**KY.**—Louisville  
Avery & Sons, B. F. (Inc.)  
(Wire) .....AAA  
**MASS.**—Boston  
Austin & Eddy, 117 Broad  
(Blind) .....C  
**MASS.**—Clinton  
Clinton Wire Cloth Co.  
(Wire) .....AAA  
**MASS.**—Fairhaven  
Atlas Tack Co. (Wire) .....AAAA  
**MASS.**—Plymouth  
Cobb & Drew (Wire) ....AA  
Plymouth Mills (Wire) ..B  
**MASS.**—Winchendon  
Townsend, G. G. (Barrel;  
Key Hoop) .....X  
**MASS.**—Worcester  
Morgan Spring Co. (Wire) .....A  
Parker Wire Goods Co.  
(Wire) .....E  
Spencer Wire Co. (Wire) ..A  
Wire Goods Co. (Blind)

**STAPLES (Con.)**

Fence; Wrought; Wire) ..A  
Wright Wire Co. (Fence;  
Wire) .....AAA  
**MO.**—St. Louis  
Ludlow-Saylor Wire Co.  
(Fence) .....AA  
St. Louis Wire & Iron Co.,  
520 Chouteau Av. ....D  
**N. Y.**—Binghamton  
Titchener & Co., E. H.  
(Blind; Wire) .....B  
**N. Y.**—Buffalo  
Pratt & Letchworth (Tail  
Board) .....AA  
Western Wire Goods Co.  
(Wire) .....D  
**N. Y.**—Cortlandt  
Wickwire Bros. (Wire) ..AA  
**N. Y.**—Elmira  
Cronk & Carrier Mfg. Co. ....B  
**N. Y.**—New York City  
Howard & Morse (Fence) .....D  
**N. Y.**—Penn Yan  
Superior Tack & Nail Co.  
(Coppered Casket; Han-  
dles; Hoop; Galvanized  
Poultry Netting; &c.) ..B  
**N. Y.**—Syracuse  
Central City Bolt Co. (Nut-  
ted) .....C  
**OHIO.**—Canton  
Ney Mfg. Co. ....B  
**OHIO.**—Cincinnati  
Cincinnati Mfg. Co., 512  
Main (Wire) .....C  
Globe Rolling Mill Iron &  
Steel Co. (Fence) .....B  
Globe-Wernecke Co. (Copy-  
ing Press) .....AAAA  
**OHIO.**—Cleveland  
Cleveland Hardware Co.  
(Wagon Box) .....A  
H. P. Nail Co. ....X  
Upson Nut Co. (Nuttled) .....AAA  
**OHIO.**—Cuyahoga Falls  
Cuyahoga Steel & Wire Co.  
(Wire) .....X  
**PA.**—Erie  
Griffin Mfg. Co. ....A  
**PA.**—Norristown  
Reading Screw Co. (Wire;  
all kinds) .....B  
**PA.**—Philadelphia  
Darby & Sons, Edw. (Wire) .....A  
**PA.**—Pittsburg  
Pittsburg Steel Co., Peoples  
Saving Bank Bldg. (Wire) .....AAAA  
**PA.**—Reading  
Reading Hdw. Co. (Wrought  
Son) .....AAAA  
**PA.**—Sharon Hill  
Pickering, Ridgeway S. ..F  
**PA.**—Williamsport  
Williamsport Staple Co. ..B  
**W. VA.**—Wheeling  
Wheeling Hinge Co. (Steel;  
Wrought) .....AA  
**WIS.**—Milwaukee  
Milwaukee Tack Co. (Wire;  
Fence) .....C  
**WIS.**—Racine  
Racine General Mfg. Co. ....E

**STARCH**

**CAL.**—San Francisco  
Everding & Co., J., 48 Clay  
A  
Newell Bros., 217 Davis ..B  
**CONN.**—Bridgeport  
Fairchild & Shelton .....AA  
**CONN.**—New Haven  
Hubinger Bros. Co. ....AAAA  
**CONN.**—Westport  
Atlantic Starch Wrks. Co. ....B  
**FLA.**—De Land  
Seminole Mfg. Co. ....B  
**FLA.**—Lake Mary  
Planters Mfg. Co. ....A  
**ILL.**—Chicago  
Archer Starch Co., Rialto  
Bldg. ....AA  
Atwood & Steele, 18 River  
C  
Corn Products Co. ....AAAA  
Natl. Starch Co., The Book-

# STARCH (Con.)

ery .....AAAA  
 Oswego Starch Factory, 83  
 Michigan Av. ....AA  
 Puhl-Webb Co., 119 W.  
 Randolph .....C  
 Stein, Hirsh & Co., 2597  
 Archer Av. (Corn; Lau-  
 dry) .....AA  
**ILL.—Franklin Park**  
 Archer Starch Co. ....AA  
**ILL.—Hammond**  
 Western Starch Association  
 AA  
**IND.—Aurora**  
 Steele-Rudell Starch Co. ..C  
**IND.—Indianapolis**  
 Natl. Starch Co., 601 W.  
 Morris .....AAAA  
**IND.—Wabash**  
 Wabash Baking Powder Co.  
 B  
**IOWA—Cedar Rapids**  
 Douglass & Co. ....A  
**IOWA—Davenport**  
 Glucose Sugar Refg. Co.  
 AAAA  
**IOWA—Des Moines**  
 Natl. Starch Co. ....AAAA  
**IOWA—Keokuk**  
 Hubinger Bros Co., J. C.  
 AAAA  
**IOWA—Sioux City**  
 Natl. Starch Co. ....AAAA  
**KY.—Covington**  
 Natl. Starch Co. ....AAAA  
**MAINE—Ashland**  
 Hayward, G. B. ....C  
**MAINE—Cary**  
 Cleveland & Ludwig .....B  
**MAINE—Easton**  
 Phair, T. H. ....B  
**MAINE—Houlton**  
 Cleveland & Ludwig .....B  
 Watson Co., John .....A  
**MAINE—Patten**  
 Patten Starch Factory ....A  
**MAINE—Prisque Isle**  
 Phair, Thos. H. ....B  
**MAINE—Sherman**  
 Phair, Thos. H. ....B  
**MAINE—Smyrna Mills**  
 Watson, J. ....C  
**MAINE—Van Buren**  
 Martin & Lon, Jos. ....C  
**MD.—Baltimore**  
 Read & Co., T. (Corn) ...C  
**MASS.—Boston**  
 Barker & Co., H., Chamber  
 of Commerce .....A  
 Coburn & Co., H. B., 69  
 Broad .....C  
 Crystal Springs Paste Co.,  
 70 Kilby .....B  
 Cummings, David, 19 High  
 (Corn; Laundry) .....X  
 Electric Lustre Starch Co.,  
 26 Central .....C  
 Eustis, Pennock & Co., 63  
 Kilby (Dextrine; Gums)  
 AA  
 Gregory & Co., F. W. (Inc.)  
 162 High .....C  
 Kehew & Bradley Co., 24  
 Purchase .....B  
 Marble & Co., J. H., 124  
 High .....AA  
 Sherman Mfg. Co., R. I., 290  
 State .....C  
 Spear's Sons Co., Alden, 369  
 Atlantic Av. (Laundry)  
 AA  
 Whitney, E. W., 59 Long  
 Wharf (Laundry) .....C  
 Wing-Mitchell Co., 111  
 Broad .....C  
**MASS.—Harwich**  
 Harwich Starch Co. ....AAA  
**MASS.—Lexington**  
 Sherman Mfg. Co., R. I.  
 (Laundry) .....C  
**MASS.—Lowell**  
 Coburn & Co., H. B. ...C  
**MASS.—Watertown**  
 Barker & Co., Hiram ....A  
**MICH.—Harbor Beach**  
 Huron Milling Co. ....AAA  
**MICH.—Jackson**  
 Pacific Starch Co. ....B  
**MICH.—Traverse City**  
 Michigan Starch Co. ....A  
**MICH.—Wyandote**  
 Ford Co., J. B. ....AAA

# STARCH (Con.)

**MINN.—Monticello**  
 Nickerson Starch Co. ....B  
**MO.—Kansas City**  
 Eclipse Starch Co., 829 S.  
 Western Boul. ....C  
 Farifless Starch Co., 9th &  
 Santa Fe .....A  
 Natl. Starch Co., 211 N. 7th  
 AAAA  
**MO.—St. Louis**  
 Eddy & Eddy, 500 Main  
 (Corn; Laundry) .....A  
 Natl. Molasses Co., 204 S.  
 Main .....A  
 Oswego Starch Factory, 510  
 Pine .....AAA  
**NEBR.—Nebraska City**  
 Natl. Starch Co. ....AAAA  
**N. J.—Camden**  
 Camden & Phila. Soap Co.  
 (Laundry) .....A  
 N. Y.—Brushton  
 Sargent, J. H. (P) .....C  
 N. Y.—Buffalo  
 Natl. Starch Co. ....AAAA  
 N. Y.—Ellensburg  
 Carter, L. S. & J. L. ....B  
 N. Y. Fairport  
 Monroe Co., Chemical Co.  
 (Corn) .....B  
 N. Y.—Malone  
 Hale, G. W. ....A  
**New York City**  
 Anthony Co., H. M., 48 W.  
 B'way .....B  
 Arabol Mfg. Co., 100 Wil-  
 liam .....B  
 Celluloid Starch Co., 3  
 Waverly Pl. ....AA  
 Hoyt, A. S., 90 W. B'way  
 (Wheat Cooking; Lau-  
 dry) .....B  
 Kingsford's Oswego Starch  
 Depot, 22 Harrison  
 AAAA  
 Klipstein & Co., A., 123  
 Pearl (Potato) .....AA  
 Kohnstamm & Co., 87 Park  
 Place .....AA  
 National Starch Co., 25  
 Broad .....AAAA  
 Speare's Sons Co., A., 100  
 William .....A  
 Troy Laundry Mach. Co., 83  
 Warren (Laundry) ..AA  
**N. Y. Oswego**  
 Kingsford's Oswego Starch  
 Factory .....AAAA  
 Oswego Corn Product Co.  
 (Laundry) .....AAAA  
**N. Y.—Schuylers Falls**  
 Turner, C. ....B  
**N. Y.—Troy**  
 Troy Laundry Machine Co.,  
 (Laundry; Corn) ....AA  
**N. Y. Ushers**  
 Anthony, Joshua (Corn)..A  
**OHIO—Cincinnati**  
 Natl. Starch Co., 120 E. 2d  
 AAAA  
**OHIO—Columbus**  
 Keever Starch Mfg. Co..A  
**OHIO—Lockland**  
 Fox, Geo. (Sr. Nat. Starch  
 Mfg. Co.) .....AAAA  
**PA.—Knowlton**  
 Barnet, Wm. ....B  
**PA.—Letitz**  
 Wellington Mfg. Co. (Corn;  
 Textile) .....A  
**PA.—Philadelphia**  
 Barnett, Wm., 730 S. Broad  
 B  
 Celluloid Starch Co., 715  
 Vine .....A  
 National Starch Co., 104 S.  
 Water .....AAAA  
**WASH.—Tacoma**  
 Pacific Starch Co. ....A  
**WIS.—Black River Falls**  
 Black River Falls Starch  
 Co. ....B  
**WIS.—Waupaca**  
 Waupaca Starch & Potato  
 Co., .....C

# STARCHERS

See also Machy

**ILL.—Chicago**  
 Sinclair Laundry Machinery  
 Co., 54 N. Clinton (Shirt)  
 O

**STARCHERS (Con.)**

**MASS.**—Boston  
 Empire Laundry Machinery  
 Co. (Collars; Cuff) .....E  
**N. Y.**—Troy  
 Troy Laundry Machinery Co.  
 (Ltd.) (Collars; Cuff) .....AA

**OHIO—Cincinnati**

American Laundry Machinery  
 Co. (Collars; Cuff) ...A  
 Watkins Laundry Machinery  
 Co. (Collar; Cuff) .....B  
 Watkins Co., Frank M. (Collars;  
 Cuff) .....C  
**PA.**—Columbia  
 Wilson Laundry Machinery  
 Co. (Collars; Cuff) ....B  
**PA.**—Columbia  
 Wilson Laundry Machinery  
 Co. (Collars; Cuff) ....B

**STARTERS**

**CONN.**—Torrington  
 Union Hardware Co. (Bung) .....AA  
**ILL.**—Belleville  
 Richardi & Bechtold (Wood  
 Bung) .....B  
**ILL.**—Chicago  
 Redlich Mfg. Co. (Bung) .B  
 Wilson & Co., F. Cortez  
 (Bung) .....B  
**MASS.**—Boston  
 Boston & Lockport Block Co.  
 (Bung) .....A  
**MICH.**—Kalkaska  
 Freeman Mfg. Co. (Wood  
 Bung) .....B  
**N. J.**—Newark  
 Sommer's Son, John (Bung) .....B

**N. Y.**—Brownville  
 Ward-Leonard Electric Co.  
 (Motor) .....A  
**OHIO**—Piqua  
 Piqua Handle & Mfg. Co.  
 (Bung) .....A  
**OHIO**—Sandusky  
 Sandusky Tool Co. (Bung) .....A

**PA.**—Pittsburg  
 Westinghouse Elect. Mfg.  
 Co. (Motor) .....AAAA  
**WIS.**—Milwaukee  
 Cutler, Hammer Mfg. Co.  
 (Motor) .....AAA

**STATIONS**

**MICH.**—Three Rivers  
 Sheffield Car Co. (Coaling) .....AA  
**N. Y.**—New York City  
 Hunt Co., C. W. (Locomotive  
 Coaling) .....AA  
**OHIO**—Canton  
 Aultman Co. Locomotive  
 Coaling) .....AAAA  
**OHIO**—Cleveland  
 Garry Iron & Steel Co. (Locomotive  
 Coaling) .....A  
**PA.**—Philadelphia  
 Link Belt Engineering Co.  
 Locomotive Coaling) .AA  
**PA.**—Steelton  
 Pennsylvania Steel Co.  
 (Railway Iron) ....AAAA

**STATUARY**

See also Marble

**CONN.**—Bridgeport  
 Monumental Bronze Co.  
 (White Bronze) .....A  
**ILL.**—Carpentersville  
 Illinois Iron & Bolt Co.  
 (Lawn) .....AA  
**ILL.**—Chicago  
 Amer. Bronze Fdry Co., 73d  
 & Woodlawn Av.  
 (Bronze) .....D  
 American Terra Cotta & Ceramic  
 Co. (Terra Cotta) .....A  
 Friedley & Voshardt, 196  
 Mather (Sheet Metal) ..C  
 Nicols & Co. ....D  
 Winslow Bros. Co., 368 Carroll  
 Av. (Bronze) ....AA  
**MASS.**—Boston  
 Jones & Co., Melville D...F

**STATUARY (Con.)**

**MASS.**—Chicopee  
 Ames Foundries (Bronze)...F  
 Masman, M. H. ....C  
**MASS.**—Quincy  
 Merryount Granite Co. ...C  
**MO.**—St. Louis  
 Mesker Bros., 421 S. 6th  
 (Sheet Metal) .....AA  
**N. J.**—Perth Amboy  
 Perth Amboy Terra Cotta  
 Co. (Terra Cotta) ....AA  
**N. Y.**—Brooklyn  
 Miller & Doing, 83 Wash'n  
 (Sheet Metal) .....H  
 Seelig & Co., M. J., 115  
 Maujer (Zinc; Sheet)...E  
 White Co., James, 446 Adelphi  
 (Sheet Metal) .....D  
**N. Y.**—New York City  
 Cabaret & Co., Paul E., 842  
 W. 14th (Bronze) ....D  
 Fiske, J. W. (Lawn) ....A  
 Gorham Mfg. Co., 19th &  
 B'way (Bronze) .AAAA  
 Henry-Bonnard Bronze Co.,  
 430 W. 16th (Bronze)...C  
 Hergert, Theo. E., 882 2d  
 Av. (Sheet Metal) ....D  
 Lamb, J. & R. ....D  
 Moore Bronze & Plate Co.,  
 M. E. 546 W. 23d .....C  
 Mott Iron Works, J. L.  
 (Lawn) .....AA  
 Stolzenberg Co., 51 Barclay  
 O  
 Westerbelt, A. B. & W. T.  
 (Lawn) .....B  
**OHIO**—Cincinnati  
 Edwards Mfg. Co. (Sheet  
 Metal) .....D  
**OHIO**—Kenton  
 Champion Iron Co. (Lawn)  
 AA

**OHIO**—Salem  
 Mullins, W. H. (Sheet  
 Metal; Lawn) .....A

**OHIO**—Zanesville  
 Townsend, Wm. C. ....AA  
**PA.**—Philadelphia

Bureau Bros., 21st & Allegheny  
 Av. (Bronze) ....D  
 Cassel, Jacob C. (Terra Cotta)  
 .....D  
 Galloway, Wm., 3216 Walnut  
 .....A  
 Harvey, Moland & Co. ...X  
 Tacony Iron & Metal Co.  
 (Bronze) .....A

**VT.**—Bellows Falls  
 Bellows Falls Machine Co. O

**WIS.**—Milwaukee  
 Hennecke Co. C. ....A

**STATUETTES**

**CONN.**—Meriden  
 Bradley & Hubbard Mfg. Co.  
 AAAA

**STAVES**

See Cooperage

**STAYBOLTS**

See also Bolts

**MO.**—St. Louis  
 Thompson, Chas. A., 516 N.  
 3d. (Flexible) .....C  
**OHIO**—Cuyahoga Falls  
 Falls-Hollow-Staybolt Co.  
 AA

**PA.**—Philadelphia  
 Hooper & Townsend Co.,  
 1380 Buttonwood ....AAAA

**STAYS**

**CONN.**—Bridgeport  
 Taylor, Thos. P. (Dress)...A  
 Warner Bros. Co. (Dress)  
 AAAA

**CONN.**—Bristol  
 Sessions & Son, J. H.  
 (Trunk Lid) .....AA

**CONN.**—Hartford  
 Pope Mfg. Co. (Bicycle)  
 AAAA

**CONN.**—New Haven  
 Peck Bros. Co. (Chain) ...AA  
**CONN.**—Waterbury

## STAYS (Con.)

Waterbury Mfg. Co. (Chain) AAAAA

## ILL.—Chicago

Clow &amp; Sons, Jas. B., 342 Franklin (Chain) ..AAA

Street &amp; Kent Mfg. Co., 41 Fulton (Chain) .....

Wolff Mfg. Co., L., 117 W. Lake (Chain) .....

IND.—Peru

B. B. Fence Co. (Wire Fencing) .....

IOWA—Dubuque

McDonald, A. Y. &amp; Morris- son Mfg. Co. (Chain) ..AA

MD.—Baltimore

McShane Mfg. Co., Hy AAAAA

MASS.—Haydenville

Haydenville Co. (Chain) ..B

MICH.—Detroit

Detroit Sanitary Supply Co. (Chain) .....

Diamond Stamped Wire Co. (Chain) .....

MICH.—Ypsilanti

Rubber Tipped Dress Stay Co. (Dress, Rubber) ....B

MICH.—Three Oaks

Warren Featherbone Co. (Dress) .....

MO.—St. Louis

International Steel Post Co. (Wire Fencing) .....

Nelson Mfg. Co., N. O., 8th &amp; St. Charles (Chain)AAA

N. J.—Newark

Berns, Otto, 18th &amp; Orange (Chain) .....

Bowers &amp; Co., Jas. (Dress) AAA

Jenkinson, &amp; Co., R. C., (Trunk Lid) .....

N. Y.—Brooklyn

Reid Brass Mfg. Co., 273 Kent Av. (Chain) .....

N. Y.—Delewan

Globe Fence Co. (Fence) ..F

N. Y.—Elmira

Cronk &amp; Carrier Mfg. Co. (Roller) .....

New York City

Cohn &amp; Co., M. (Dress; Corset) .....

Du Bois &amp; Co., N. F., 245 9th Av. (Chain) .....

Mott Iron Works, J. L., 88 Beekman (Chain) .....

Peck, Stow &amp; Wilcox Co., 27 Murray (Roller) ..AAAA

Sargent &amp; Co., 151 Leonard (Roller) .....

Warner Bros. Co. (Dress) AAAAA

Yale &amp; Towne Mfg. Co., 9 Murray (Transom) AAAAA

N. Y.—Poughkeepsie

Lane Bros. Co. (Roller) A

N. Y.—Weedsport

Weedsport Skirt &amp; Waist Co. (Dress) .....

OHIO—Canton

Ney Mfg. Co. (Roller) ..B

OHIO—Cincinnati

Gholson Fence Co., W. O., 1746 Reading Rd. (Steel Fence) .....

OHIO—Cleveland

Sanitary Co., 335 Huron (Chain) .....

OHIO—Columbus

Columbus Brass Co. (Chain) B

OHIO—Covington

Crescent Metallic Fence Stay Co. (Fence) .....

PA.—Allegheny

McKinney Mfg. Co. (Roller) AA

PA.—Philadelphia

Haines Jones &amp; Cadbury Co., 1237 Ridge Av. (Chain)AA

PA.—Pittsburg

Scaife &amp; Sons Co., Wm. B. (Roller) .....

Standard Sanitary Mfg. Co., Arrott Bldg. (Chain) AAAAA

PA.—Reading

Reading Hardware Co. (Roller) .....

W. VA.—Wheeling

Wheeling Hinge Co. (Hand Rail; Stair Rail) .....

## STAYS (Con.)

WIS.—Milwaukee

Hoffman &amp; Billings Mfg. Co. (Chain) .....

WIS.—Racine

Racine Tank Lug Co. (Wire Fencing) .....

WIS.—South Milwaukee

Stowell Mfg. &amp; Foundry Co. (Roller) .....

## STEAMBOATS

See also Ships

## STEAMERS

CONN.—Meriden

Manning, Bowman &amp; Co. AAAAA

ILL.—Chicago

Henion &amp; Hubbell (Feed) B

White Mfg. Co., 93 Mich. Av. (Thawing) .....

ILL.—Paxton

Paxton Hdw. Mfg. Co. (for Cooking Purposes) ....X

IND.—Indianapolis

Nordyke &amp; Marmon Co. (Feed) .....

IOWA—Waterloo

Kelley &amp; Taneyhill (Feed)G

Litchfield Mfg. Co. (Feed)A

IOWA—Webster City

Litchfield Mfg. Co. (Feed)A

MD.—Baltimore

Hutchinson Bros., 116 N. Howard (Vegetable) ...D

MASS.—Boston

McDowell Oven Co. (Brown Bread) .....

MINN.—Minneapolis

Howell &amp; Co., R. (Feed) B

N. Y.—Buffalo

Shepard &amp; Co., Sidney AAAAA

N. Y.—Cortland

Lewis, L. R. (Feed) ....X

New York City

Lalanc &amp; Grosjean Mfg. Co. AAAAA

Gorton &amp; Lidgerwood Co. (Feed) .....

N. Y.—Troy

Troy Stamping Wks. J. M. Warren &amp; Co.)....AAAA

OHIO—Bucyrus

American Clay Working Mach. Co. (Clay) .....

OHIO—New Philadelphia

Spicer Mfg. Co. (Clay)....D

## STEAMSHIPS

See Ships; Boats

## STEARINE

ILL.—Chicago

Morris &amp; Co., Nelson AAAAA

Swift &amp; Co. ....AAAAA

IOWA—Cedar Rapids

Sinclair &amp; Co., S. M. AAA

MASS.—Boston

Reardon &amp; Sons, J. J. ....X

MO.—Kansas City

Armour Packing Co. AAAAA

N. Y.—Brooklyn

Davis Oil Co., 95 Ninth ...C

New York City

Donahue &amp; Son, P., 652 W. 29th .....

Habermann, Joseph, 625 W. 40th .....

Manhattan Oil Wks. ....D

Welch, Holme &amp; Clark Co., 381 West .....

OHIO—Cincinnati

Amer. Cotton Oil Co. of Ohio .....

Emery Candle Co. ....AA

R. I.—Providence

Union Oil Co. ....AAAA

## STEEL

See Iron &amp; Steel

## STEELS

CONN.—Ansonia

Union Fabric Co. (Corset)D

CONN.—Bridgeport

Connecticut Clasp Co.

**STEELS (Con.)**  
 (Corset) .....D  
**CONN.—New Britain**  
 Landers, Frary & Clark  
 (Butcher) .....AAA  
**ILL.—Chicago**  
 American Cutlery Co.  
 (Butcher) .....A  
 Chicago Wheel & Mfg. Co.,  
 39 W. Rand (Butcher) ..D  
**MASS.—Brookton**  
 Tuck Mfg. Co. (Buffer;  
 Scraper) .....E  
**N. H.—Antrim**  
 Goodell Co. (Butcher) ....A  
**New York City**  
 Chatillon & Sons, Jno.  
 (Butcher) .....A  
**PA.—Philadelphia**  
 Hoffman, C. A. (Butcher) B  
**R. I.—Providence**  
 Nicholson File Co.  
 (Butcher) .....AA

## STEEPERS

**ILL.—Clyde**  
 Coonley Mfg. Co. (Tea) ..B  
**MO.—St. Louis**  
 St. Louis Stamping Co.  
 (Tea) .....AAAA  
**N. Y.—Buffalo**  
 Shepard & Co., Sidney (Tea)  
 AAAA

## STEINS

**New York City**  
 Levy & Co., L. W., 194  
 Bway. (Beer, etc.) ....B  
**OHIO—Zebring**  
 Zebring Pottery Co. (Beer,  
 etc.) .....AA

## STEINWARE

**IND.—Marion**  
 Canton Glass Co. ....B  
**PA.—Beaver Falls**  
 Co-operative Flint Glass Co.  
 A  
**PA.—Philadelphia**  
 Gillinder & Sons .....A  
**PA.—Pittsburg**  
 McKee & Bros. ....X  
**U. S. Glass Co.** .....AA  
**PA.—Tarentum**  
 Tarentum Glass Co. ....A  
**PA.—Washington**  
 Duncan's Sons & Co., Geo. A  
**W. VA.—Moundsville**  
 Fostoria Glass Co. ....AAA  
**W. VA.—Wellsburg**  
 Riverside Glass Wks. ....C  
**W. VA.—Wheeling**  
 Central Glass Wks. ....A

## STEMMERS

**OHIO—Sandusky**  
 Klotz Machine Co. (Grape) C  
**VA.—Richmond**  
 Richmond Cedar Wks.  
 (Cedar; Kraut) ....AAAA

## STENCILS

**COLO.—Denver**  
 Denver Novelty Work Mfg.  
 Co. ....D  
**CONN.—Bridgeport**  
 Schwerdtle Stamp Co. ....F  
**CONN.—New Haven**  
 Hoggson & Pettis Mfg. Co.  
 A  
**CONN.—Unionville**  
 Monce, S. G. (Interchange-  
 able Lock) .....D  
**IND.—Evansville**  
 Elbert, C. H. ....F  
**MD.—Baltimore**  
 Dorman Co., J. F. W. ....F  
**MASS.—Boston**  
 Power & Co., J. H. ....G  
**MASS.—Springfield**  
 Smith Mfg. Co., R. H. ....C  
**MO.—St. Louis**  
 Barnard Stamp Co. ....E  
**N. Y.—Albany**  
 Lang, Jacob S. ....X  
**New York City**  
 Carragan, Geo. ....D  
 Devoe, F. W. & C. T. Ray-  
 nolds Co. ....AAAA  
**Force & Co., Wm. A., 50**  
 Beekman .....B

**STENCILS (Con.)**  
 Majert, Emil, 28 Elm ....D  
 Ness Jr., Geo. M. ....H  
 New York Stencil Wks. ....D  
 Reilly Bros. (Fresco) ....D  
 Stafford Co., Nelson, 66  
 Fulton .....F  
**N. Y.—Utica**  
 Balch Bros. & West Co. ..D  
**OHIO—Cambridge**  
 Crescent Seal Stamp Co. H  
**OHIO—Cincinnati**  
 Cressler, Wm. T. ....C  
**OHIO—Dayton**  
 Howard, Wm. H. ....E  
**PA.—Philadelphia**  
 Quint & Son, S. H., 15 So.  
 4th .....C  
 Weber & Co., W. (Fresco) A  
**WIS.—Milwaukee**  
 Schwaab Stamp & Stencil  
 Co. ....C

## STEP LADDERS

See Ladders

## STEPS

See Stairs; Hardware; Car-  
 riage

**CONN.—Hartford**  
 Hartford Machine Screw Co.  
 (Bicycle) .....AAAA  
**CONN.—Plantville**  
 Atwater Mfg. Co. (Car-  
 riage) .....A  
 Blakeslee Forging Co.  
 (Carriage; Wagon) ....B  
 Smith & Co., H. D. (Car-  
 riage) .....AA  
**DEL.—Wilmington**  
 Diamond State Steel Co.  
 (Pole) .....AAA  
**ILL.—Chicago**  
 American Steel & Wire Co.  
 Rookery Bldg (Pole) AAAA  
 Barbee Wire & Iron Wks.  
 (Carriage) .....B  
 Cutter Co., Geo., 100 Lake  
 (Removable Pole) ....C  
 Railway Appliance Co., Old  
 Colony Bldg. (Car) ....A  
 Republic Iron & Steel Co.  
 (Pole) .....AAAA  
**MASS.—Boston**  
 Boston Bolt Co., 33 Pur-  
 chase (Pole) .....B  
**MICH.—Detroit**  
 Anderson & Sons, W. H.  
 (Pole; Sewer Manhole) C  
 Co-operative Fdry. (Sewer  
 Manhole) .....X  
 Michigan Bolt & Nut Wks.  
 (Pole) .....A  
**MO.—Kansas City**  
 Kansas City Bolt & Nut Co.  
 (Pole) .....A  
**MO.—St. Louis**  
 Moran Bolt & Nut Mfg. Co.  
 (Pole) .....A  
**N. H.—Exeter**  
 Rubber Step Mfg. Co. (Car-  
 riage) .....D  
**N. J.—Newark**  
 Maher & Flockhart, 62 Polk  
 (Sewer Manhole) .....A  
 Strieby & Foot Co. (Car-  
 riage & Wagon) .....B  
**N. Y.—Auburn**  
 Clapp Mfg. Co., E. D. (Car-  
 riage) .....B  
**N. Y.—Brooklyn**  
 Cooper & McKee (Library;  
 Pantry) .....A  
**N. Y.—Buffalo**  
 Pratt & Letchworth (Car-  
 riage) .....AA  
**New York City**  
 American Steel & Wire Co.,  
 71 B'way (Hole) .....AAAA  
 Mace & Co., L. H. (Library;  
 Pantry) .....B  
 Mason & Co., J. W. (Li-  
 brary) .....D  
**N. Y.—Oxford**  
 Clark Blue Stone Co., F. C.  
 (Stone) .....A  
**OHIO—Cleveland**  
 Cleveland Hdw. Co. ....A



**STEPS (Con.)**  
**OHIO—Mansfield**  
 Ohio Brass Co. (Pole)....B  
**PA.—Lebanon**  
 American Iron & Steel Mfg.  
 Co. (Pole) .....AAAA  
**PA.—Mechanicsburg**  
 Wilcox Mfg. Co., D. (Car-  
 riage) .....B  
**PA.—Philadelphia**  
 Hoopes & Townsend Co.,  
 1330 Buttonwood (Pole)  
 AAA  
**PA.—Pittsburg**  
 Lanz & Sons, Mathew, 101  
 S. 29th (Pole) .....B  
 Oliver Iron & Steel Co.  
 (Pole) .....AAAA  
**R. I.—Providence**  
 Safety Electric Switch Co.  
 (Detachable Pole) .....X  
**VA.—Richmond**  
 Old Dominion Iron & Nail  
 Wks. Co. (Pole) .....A  
**W. VA.—Wheeling**  
 Wheeling Hinge Co. (Pole)  
 AA

## STEREOGRAPH- OSCOPES

**ILL.—Chicago**  
 Geneva Optical Co.....B  
**VT.—North Bennington**  
 White Co., H. C.....B

## STEREOPTI- CONS

**ILL.—Chicago**  
 Martin Co., Edw. P.....C  
**MASS.—Boston**  
 Tompson & Co., A. T., 26  
 Bromfield .....X  
**New York City**  
 Colt Co., J. B., 21 Barclay  
 B  
 McAllister, T. H., 49 Nas-  
 sua .....B  
**PA.—Philadelphia**  
 Queen & Co., 1010 Chestnut  
 AA  
 Williams, Brown & Earle  
 A

## STEREO- SCOPES

**PA.—Philadelphia**  
 McIntire, Magee & Brown  
 A  
**VT.—North Bennington**  
 White Co., H. C.....B

## STERILIZERS

**ILL.—Chicago**  
 Barber Mfg. Co., A. H.  
 (Milk) .....B  
**IND.—Indianapolis**  
 Armstrong & Co., Wm. H.  
 (Eye Ointment) .....B  
**MASS.—Boston**  
 Empire Laundry Machy Co.  
 (Laundry) .....E  
**N. J.—Haddonfield**  
 Star Milk Cooler Co. (Milk)  
 C  
**N. Y.—Brooklyn**  
 Wallace Co., Jno. B., 400 S.  
 2d (Brass; Copper).....B  
**New York City**  
 Hospital Supply Co. (In-  
 strument; Steam; Dress-  
 ing, etc.) .....A  
**N. Y.—Rochester**  
 Castle & Co., Wilmot  
 (Milk; Steam) .....B  
**OHIO—Cincinnati**  
 Amer. Laundry Mchy. Co.  
 (Laundry; Steam) .....A  
 Watkins Mfg. Co., F. M.  
 (Steam) .....B  
**OHIO—Sandusky**  
 Warren Electric Mfg. Co.  
 (Laundry) .....A  
**OHIO—Toledo**  
 Toledo Corby Co.  
 (Steam) .....C  
**PA.—Philadelphia**  
 Bockel & Co., Wm., 578

**STERILIZERS (Con.)**  
 Vine (Steam) .....A  
 Forbes Co., 1234 Callowhill  
 (Water) .....C

## STETHO- SCOPES

**New York City**  
 Tiemann & Co., Geo., 107  
 Park Row .....A  
 Tutschek, F., 209 Centre..G  
**VT.—North Bennington**  
 White Co., H. C. ....B

## STICKS

See also Clubs; also Wood-  
 work; Carriage

**CONN.—Central Village**  
 Torrey Bros. Co. (Pole)...E  
**CONN.—Danielson**  
 Jacobs Mfg. Co., E. H.  
 (Picker) .....B  
**CONN.—West Thompson**  
 Tatem & Son, J. B.  
 (Picker) .....B  
**ILL.—Chicago**  
 Kester Elect. Mfg. Co., 251  
 S. Jeff. (Soldering) ...D  
 Spinks & Co., W. A., 98  
 Erie (Billiard) .....C  
**ILL.—Freeport**  
 Arcade Mfg. Co. (Mop)...A  
 Stover Mfg. Co. (Hop)...AA  
**IND.—Indianapolis**  
 Leedy Mfg. Co. (Drum)...E  
**MASS.—Boston**  
 Golding & Co. (Shooting).C  
**MASS.—Charlottesville**  
 Frary Mfg. Co. (Flag) ...E  
**MASS.—Lowell**  
 New England Shuttle Co.  
 (Picker) .....X  
**MASS.—Worcester**  
 Crompton & Knowles Loom  
 Wks. (Picker) .....AAAA  
**MICH.—Ludington**  
 Tubbs Mfg. Co. (Printers'  
 Cutting; Printers' Galley)  
 B  
**N. H.—Horn's Mills**  
 Horn, James (Picker)....X  
**N. H.—Rumney**  
 Loveland, Jr., L. H.  
 (Picker) .....G  
**N. J.—Cedar Brook**  
 Bailey, Frank (Dye) ....B  
**N. J.—Irvington**  
 Belcher Bros. & Co. (Size)  
 X  
**N. J.—Jersey City**  
 Winter & Ball Mfg. Co.  
 (Umbrella) .....X  
**N. Y.—Auburn**  
 James Mfg. Co. (Mop)...F  
**N. Y.—Middletown**  
 Morgan & Wilcox Mfg. Co.  
 (Composing; Shooting).D  
**New York City**  
 Bresnan Type Foundry Co.,  
 P. H. (Side; Foot) ....B  
 Estes & Sons, E. B.  
 (Clapper) .....AA  
 Goldberg & Weber (Um-  
 brella) .....C  
 Harvey & Watts Co.  
 (Umbrella) .....F  
 Hoe & Co., R. (Shooting;  
 Composing) .....AAAA  
 Liberty Machine Co.  
 (Composing) .....E  
**N. C.—Greenboro**  
 Southern Bobbin Co. (Hick-  
 ory Picker) .....D  
**OHIO—Cleveland**  
 Chandler & Price Co.  
 (Composing; Shooting)..A  
**OHIO—Piqua**  
 Piqua Handle & Mfg. Co.  
 (Gambrel) .....A  
**OHIO—Toledo**  
 Toledo Billiard Ball Co.  
 (Billiard) .....D  
**PA.—New Brighton**  
 Logan & Strobbridge Iron  
 Co. (Mop) .....B  
**R. I.—Providence**  
 Amer. Emery Wheel Wks.  
 (Emery; Corundum) ....C

**STICKS (Con.)**

VA.—Petersburg  
South Side Mfg. Co.  
(Shooting) .....C  
WIS.—Two Rivers  
Hamilton Mfg. Co. (Cut-  
ting for Paper Cutters)...  
AA

**STIFFENERS**

CONN.—Danbury  
Morlock & Husk (Roll)...E  
N. J.—Newark  
Sacks Iron Fdry., Louis  
(Heel) .....A  
WIS.—South Milwaukee  
Stowell Mfg. & Fdry. Co.  
(Heel) .....A

**STILLS**

ALA.—Birmingham  
Dinmick Pipe Co. (Oil;  
Tar) .....A  
CAL.—Los Angeles  
Lacy Mfg. Co. (Refinery)  
AA  
ILL.—Chicago  
Harris & Bro., Geo. P., 64  
W. Lake (Distillery)...B  
Royal Distillery Co.  
(Water) .....E  
LA.—New Orleans  
Connell Iron Wks. Co., J.  
D. (Turpentine) .....B  
MD.—Baltimore  
Baltimore Cooperage Co.  
(Distillery) .....B  
MICH.—Detroit  
Colton, Arthur (Pharma-  
ceutical) .....C  
MICH.—Saginaw  
Morley Bros. ....AA  
N. Y.—Brooklyn  
Clowbrock Steel Boiler Co.  
(Tar) .....D  
N. Y.—Buffalo  
Case & Son, W. A.  
(Whiskey) .....AA  
New York City  
Bailey Mfg. Co., A. R.  
(Water) .....D  
Elmer & Amend .....A  
Hepershausen Bros. (Oil)  
D  
Trageser Steam Copper  
Wks., 447 W. 26th (Al-  
cohol Plant) .....B  
OHIO—Cincinnati  
American Copper & Brass  
Wks. (Whiskey) .....A  
Blymyer Iron Wks. Co.  
(Whiskey) .....B  
Day & Co., H. (Druggists')  
A  
Hauser, Bremer & Fath Co.  
B  
Tudor Boiler Mfg. Co.  
(Oil; Tar) .....B  
OHIO—Marietta  
Marletta Boiler Wks. ....A  
OHIO—Youngstown  
Pollock & Co., Wm. P.  
(Oil; Tar) .....AA  
PA.—Pittsburg  
Carroll-Porter Boiler &  
Tank Co. (Oil) .....B  
Riter-Conley Mfg. Co. (Oil;  
Tar) .....AA  
PA.—Warren  
Struthers, Wells & Co.  
(Oil; Tar) .....AA

**STILTS**

MICH.—Fenton  
Phillips Co., A. J.  
(Boys') .....A  
MO.—St. Louis  
Benjamin Air Rifle Co.  
(Boys') .....E  
OHIO—East Liverpool  
Burgess & Co. (Potters')  
B

**STIRRUPS**

CONN.—New Haven  
North & Co., O. B. ....AA  
IND.—Indianapolis  
Holliday & Wyon .....A  
N. J.—Newark  
Baldwin & Co., Jos. (Steel)  
D

**STIRRUPS (Con.)**

Buerman, August .....B  
Peters' Harness & Saddlery  
Co. (Leather; Steel;  
Wood) .....C  
N. Y.—Buffalo  
Pratt & Letchworth ...AA  
OHIO—Canton  
Elbel & Co. (Steel) .....B  
OHIO—Sandusky  
Knight, H. H. (Wooden).D  
PA.—Wrightsville  
Wrightsville Hdw. Co.  
(Harness) .....C  
R. I.—Bristol  
Dixon Lubricating Saddle  
Co. ....B  
R. I.—Pawtucket  
Haskell Mfg. Co. (Steel for  
Cotton Machinery) ...AA  
TENN.—Chattanooga  
Southern Saddlery Co.  
(Wooden) .....A  
TEXAS—Dallas  
Speer, Steinmann Co. ....X

**STITCHERS**

See also Machy

CONN.—Hartford  
Smyth Mfg. Co. (Thread)  
AA  
CONN.—New Haven  
Brown & Co., R. H. (Wire)  
B  
Hoggson & Pettis Co. (Rub-  
ber Hand) .....A  
Thompson & Sons, H. G.  
(Wire) .....B  
ILL.—Chicago  
Latham Mchry. Co. (Wire)  
C  
MASS.—Lynn  
Cilley & Co., W. W. (Shoe)  
F  
Coffin & Shines (Shoe)...X  
MASS.—Medford  
Wellman Sole Cutting Mach.  
Co. (Thread) .....D  
New York City  
Morrison Co., J. L. (Wire)  
D  
Sheridan, T. W. & C. B.  
(Wire) .....A  
PA.—Harrisburg  
Hickok Mfg. Co., W. O.  
(Thread) .....AA  
PA.—Philadelphia  
Shoemaker & Co., J. L.  
(Wire) .....D

**STOCK: GEAR;  
WHEEL, ETC.**

See Woodwork; Carriage,  
etc.

**STOCK: PAPER**

See Rags

**STOCKINGS**

See Hosiery

**STOKERS**

ILL.—Chicago  
Green Engineering Co., 138  
Jackson Boul. (Mechan-  
ical) .....D  
Hawley Down Draft Fur-  
nace Co. (Mechanical)...A  
Little Giant Stoker Co.,  
3906 S. Halsted (Mechan-  
ical) .....B  
Under Feed Stoker Co., 204  
Dearborn (Under Feed  
Mechanical) .....B  
MICH.—Detroit  
Detroit Automatic Stoker  
Co. (Mechanical) .....D  
MINN.—Duluth  
Duluth Stoker Co. (Me-  
chanical) .....B  
New York City  
Babcock & Wilcox Co., 85  
Liberty (Mechanical)...  
AAAA  
Ross & Co., 95 Liberty  
(Mechanical) .....X

**STOKERS (Con.)**  
 Westinghouse, Church, Kerr  
 & Co., 8 Bridge (Mechan-  
 ical) .....A  
**OHIO—Cincinnati**  
 Day-Kincaid Stoker Co.  
 (Locomotive) .....B  
**OHIO—Cleveland**  
 Brightman Furnace Co., 648  
 B'way (Mechanical) ...D  
**PA.—Bridgeport**  
 Wilkinson Mfg. Co. (Me-  
 chanical) .....C  
**PA.—Philadelphia**  
 Box & Co., Alfred (Cechan-  
 ical) .....D  
 Sellers & Co., Wm. (Me-  
 chanical) .....AAAA  
**PA.—Pittsburg**  
 Cahill Sales Department  
 (Mechanical) .....A  
 Westinghouse Machine Co.  
 (Mechanical) .....AAAA

## STONE

See also Bluestone; Lime-  
 stone; Pumice; Sand-  
 stone; Granite; Soap-  
 stone.

**CAL.—Los Angeles**  
 California Portland Cement  
 Co. (Crushed Limestone) .....B  
**CONN.—Bridgeport**  
 Pierce Mfg. Co. (Artificial) .....E  
**CONN.—Cromwell**  
 New England Brown Stone  
 Co. (Brown; Foundation;  
 Rubble) .....AA  
**CONN.—Meriden**  
 Conn. Trap Rock Quarries  
 (Crushed) .....A  
**CONN.—Middletown**  
 Haddam Granite Co. (Crush-  
 ed; Granite) .....B  
 Caldwell, Chas. B.  
 (Crushed) .....B  
**CONN.—New Haven**  
 Blakeslee & Sons, C. W.  
 (Crushed) .....AA  
 Connecticut Concrete Co.  
 (Crushed) .....A  
 Connecticut Trap Rock  
 Quarries (Trap Rock;  
 Crushed) .....A  
**CONN.—New London**  
 Scott, Thos. A. (Crushed) .A  
**D.C.—Washington**  
 Palmer Hollow Concrete  
 Building Co., H. S. (Arti-  
 ficial Building) .....D  
**ILL.—Chicago**  
 Artesian Stone & Lime Wks  
 Co. (Crushed) .....B  
 Brownell Improvement Co.  
 (Limestone; also Concrete  
 Crushed) .....A  
 Chicago Crushed Stone Co.,  
 108 La Salle (Crushed) .B  
 Chicago Union Lime Works  
 Co., W. 19th (Crushed) .B  
 Doles & Shepherd Co., 184  
 La Salle (Crushed; Gra-  
 nite) .....B  
 Lake Shore Sand & Gravel  
 Co. (Crushed) .....B  
 Portage Entry Quarries Co.  
 (Sand; Red) .....B  
 Sherman & Flavin (Marble)  
 B  
 Stearns Lime & Stone Co.,  
 165 E. Randolph (Lime-  
 stone Crushed) .....AA  
 Western Consolidated Gra-  
 nite Co., Chamber of Com.  
 Bldg (Granite Crushed) .B  
 Western Stone Co., Chamber  
 of Com. Bldg. (Crushed)  
 AAA  
**ILL.—Naperville**  
 Dolese & Shepard Co.  
 (Crushed) .....B  
**IND.—Evansville**  
 Bedford & Nugent  
 (Crushed) .....B  
**IOWA—Marshalltown**  
 Le Grand Quarry Co.  
 (Lime; Marble) .....A  
**KANS.—Wichita**  
 Wichita Hydraulic Stone &  
 Brick Co. (Artificial

**STONE (Con.)**  
 Building) .....E  
**KY.—Dayton**  
 Trapp, John (Crushed)...B  
**KY.—Louisville**  
 Caron Stone Co. (Litho-  
 graphic) .....D  
**MAINE—Frankfort**  
 Mount Waldo Granite Wks.  
 (Granite; Rough) .....A  
**MAINE—Hallowell**  
 Hallowell Granite Co. (Gra-  
 nite Dressed; Granite  
 Rough) .....AA  
**MAINE—Red Beach**  
 Maine Red Granite Co.  
 (Foundation; Granite  
 Red; Granite Rough) ..B  
**MD.—Dickersons**  
 Standard Lime & Stone Co.  
 (Crushed) .....A  
**MD.—Fort Deposit**  
 McClenahan & Bro. Granite  
 Co. (Granite) .....A  
**MASS.—Boston**  
 Bowker, Torrey & Co.  
 (Soap) .....AA  
 Gilbreth Seam Face Granite  
 Co. (Seam Face Granite)  
 D  
 Rockport Granite Co., 31  
 State (Granite Crushed) A  
**MASS.—Pigeon Cove**  
 Pigeon Hill Granite Co.  
 (Crushed) .....A  
**MASS.—Rockport**  
 Rockport Granite Co. (Gra-  
 nite; Crushed) .....A  
**MICH.—Detroit**  
 Griffin, M. J., 104 Lafferty  
 Pl. (Crushed) .....B  
 Marble Co., C. H., Penna.  
 Bank Bldg. (Crushed) ..B  
**MICH.—Manistique**  
 White Marble Lime Co.  
 (Crushed) .....B  
**MICH.—Monroe**  
 Monroe Stone Co. (Crushed)  
 B  
**MO.—St. Louis**  
 Eyeremann Jr. & Bro., G.,  
 Hickory (Crushed) ....B  
 Nelson Mfg. Co., N. O.  
 (Marble; Plumbers') .AAA  
 Schneider Granite Co., Ful-  
 lerton Bldg. (Granite;  
 Crushed) .....A  
**N. H.—Pike Station**  
 Pike Mfg. Co. (Gold Test-  
 ing) .....A  
**N. H.—West Lebanon**  
 Pigeon Hill Granite Co.  
 (Granite; Crushed) ....A  
**N. J.—Jersey City**  
 Shanley Co., B. M. & J. F.  
 (Crushed) .....AA  
**N. J.—Paterson**  
 McKiernan & Bergin  
 (Crushed) .....A  
 Sharpe, Joseph (Artificial)  
 D  
**N. Y.—Albany**  
 Callahan Road Improvement  
 Co., 51 State (Limestone;  
 Crushed) .....B  
 Dumary, Henry T., 40 State  
 (Crushed) .....B  
**N. Y.—Brooklyn**  
 Wiarda & Co., John C.  
 (Ground Cliff; Ground  
 Cornwall; Rotten) ...AA  
**N. Y.—Buffalo**  
 Buffalo Cement Co., 110  
 Franklin (Crushed; Build-  
 ing; Out) .....AAAA  
 German Rock Asphalt &  
 Cement Co., Morgan Bldg.  
 (Crushed) .....A  
**New York City**  
 Behr & Co., Herman, 75  
 Beekman (Pumice) ...AA  
 Dunn, Thos. J. (Blue)....D  
 Hammill & Gillespie, 240  
 Front (Pumice) .....A  
 (Brown) .....B  
 Henry & Co., M. C.  
 (Brown) .....X  
 Klaber, Adolph (Marble) .B  
 O'Brien Bros., 54 South  
 (Crushed) .....A  
 Phoenix Towing & Trans-  
 portation Co., 17 State  
 (Crushed or Broken)....B

**STONE (Con.)**

Pettit Chemical Co. (Soap) B  
 Taintor Mfg. Co., H. F. (Ground Cliff) .....B  
 Tomkins & Calvin, 120 Liberty (Crushed Blue) B  
 Van Amringe, Theo., 97 Liberty (Pumice) .....B  
 Waddell & Co., R. J., 52 Beekman (Pumice) ....AA  
 M. Y.—Oxford  
 Clarke Blue Store Co., F. G. (Building; Blue; Planed; Sawed; Flagging; Curbing) .....A  
 M. Y.—Potsdam  
 Potsdam Red Sandstone Co. D  
 M. Y.—Schenectady  
 Shear & Co., A. (Crushed) B  
 M. Y.—Tompkins Cove  
 Tompkins Cove Stone Co. (Crushed) .....A  
 M. Y.—Warsaw  
 Warsaw Blue Stone Co. ....B  
 OHIO—Cincinnati  
 Hummel Building Co. (Free) .....AA  
 Obermayer Co., S. (Pumice) .....AA  
 OHIO—Cleveland  
 Cleveland Concrete & Building Blk. Co. (Artificial Building Blocks) .....A  
 Cleveland Stone Co. (Building; Curbing; Flagging) AAAA  
 Malone Stone Co. (Blue; Face; Lime) .....A  
 Spence Bros., 2923 Euclid Av. (Crushed) .....A  
 OHIO—Columbus  
 Casparis Stone Co. (Crushed) .....B  
 Columbus Stone Co., 319 Dublin Av. (Crushed) ..B  
 OHIO—East Liverpool  
 Knowles, Taylor & Knowles Co. (Granite; White) AAAA  
 OHIO—Lowellville  
 Carbon Limestone Co. (Crushed; Concrete a Specialty) .....A  
 OHIO—Marion  
 Evans Stone & Lime Co., Jno. (Crushed) .....A  
 OHIO—Springfield  
 Mills Bros. (Crushed) ....B  
 OHIO—Youngstown  
 Bessemer Limestone Co. (Crushed) .....A  
 OHIO—Zanesville  
 Townsend, Wm. C. (Granite; Marble) .....AA  
 PA.—Easton  
 Easton Lime Co. (Crushed) A  
 Williams & Co., C K. (Pumice; Pulverized Pumice & Soap) .....A  
 PA.—Norristown  
 Block & Tile Paving Co. (Limestone; Crushed) ..B  
 Dyer Quarry Co., Jno. L. (Crushed) .....AA  
 PA.—Philadelphia  
 Cedar Hollow Lime Co., Land Title Bldg. (Crushed) .....A  
 Dyer Quarry Co., Jno. T., 12 So. 15th (Crushed) ...A  
 Holmesburg Granite Co., Fidelity Bldg. Seam Face Granite) .....B  
 Krause & Son, Wm. (Artificial) .....X  
 McIlvaine Bros. (Pumice) B  
 Pennsylvania Salt Mfg Co. (Blue) .....AAAA  
 Sharpless & Watts (Marble) .....A  
 Warner Co., Charles, Land Title Bldg. (Limestone; Crushed) .....AA  
 PA.—Pittsburg  
 Booth & Fliinn (Ligonier Granite) .....AAAA  
 Consolidated Stone & Mining Co., Hamilton Bldg. (Limestone; Crushed) ..B  
 McCormick Co., J. S.

**STONE (Con.)**

(Soap) .....B  
 Minsluger Bros. & Co., 562 2d Av. (Crushed) .....B  
 Pope Cement & Brick Co., 421 Wood (Crushed) ....B  
 Winfield Mineral Co., 421 Wood (Crushed) .....A  
 PA.—South Bethlehem  
 General Crushed Stone Co. (Crushed) .....A  
 PA.—Tyrone  
 Amer. Lime & Stone Co. (Limestone; Crushed) AAAA  
 PA.—Waltonville  
 Hummelstown Brown Stone Co. ....A  
 R. I.—Westerly  
 Smith Granite Co. (Granite Rough) .....D  
 TEXAS—El Paso  
 El Paso Ice & Refrigerator Co. (Crushed) .....B  
 VT.—Froctor  
 Vermont Marble Co. (Marble Sawed; Finished) AAAA  
 WIS.—Green Bay  
 Flatley Bros. & Co. (Artificial Building) .....B  
 WIS.—Racine  
 O'Laughlin Stone Co., Jno. (Crushed) .....B  
 Racine Cement & Pipe Co. (Artificial) .....X

**STONERS**

MD.—Baltimore  
 Sinclair-Scott Co. (Cherry) E  
 N. H.—Antrim  
 Goodell Co. (Cherry) ....A  
 N. Y.—Buffalo  
 Buffalo Specialty Mfg. Co. (Cherry) .....B  
 New York City  
 Graham & Co., Jno. H., 113 Chambers (Cherry) ....AA  
 PA.—New Brighton  
 Logan & Strobbridge Iron Co. (Cherry) .....B  
 PA.—Mount Joy  
 Rollman Mfg. Co. (Cherry; Peach) .....G  
 PA.—Philadelphia  
 Enterprise Mfg. Co. of Pa. (Cherry) .....AAAA

**STONES**

See also Grindstones; Tables; Millstones

CONN.—Bridgeport  
 Bridgeport Safety Emery Wheel Co. (Emery) ....F  
 CONN.—Higganum  
 Cutaway Harrow Co. (Scythe) .....X  
 ILL.—Chicago  
 Chicago Wheel & Mfg. Co., 39 W. Rand (Axe; Emery; Oil; Water; Razor; Rubbing; Scythe) .....D  
 Kaestner & Co. (Burr) ....A  
 MASS.—Boston  
 Harvey, H. H. (Jack) ....B  
 MASS.—Leeds:  
 Northampton Emery Wheel Co. (Dry Rubbing; Sharpening; Emery; Oil; Rub) A  
 MASS.—Waltham  
 Waltham Emery Wheel Co. (Emery; Oil; Rub) ....C  
 MASS.—Westfield  
 Vitrified Wheel Co. (Emery; Oil; Water) .....B  
 MASS.—Worcester  
 Morton Emery Wheel Co. (Dry Rubbing; Sharpening; Emery; Oil; Rub; Water; Scythe) ....AAA  
 MICH.—Detroit  
 Strellinger Co., Charles (Emery; Oil; Rub) .....A  
 N. H.—Keene  
 Wilkins Toy Co. (Jack) ..X  
 N. H.—Pike Station  
 Pike Mfg Co. (Oil; Tool Sharpening; Scythe; Wood Pulp; Axe; Curriers; Tanners; Emery;

**STONES (Con.)**

Gold Test; Hacker; India;  
Water; Razor; Rubbing) A

N. J.—Crawford  
Crawford Oil Stone Wks.  
(Oil) .....D  
N. Y.—Middletown  
Morgan & Wilcox Mfg. Co.  
(Imposing; Ink) .....D  
New York City  
Abbe Engineering Co.  
(Burr) .....D  
Gesswein Co., F. W., 39  
John (Oil) .....A  
Hoe & Co., R. (Ink).AAAA  
AA  
Judd & Co., H. L. (Jack)  
D  
Rudkin, Wm. H. (Scythe)  
D

OHIO—Chagrin Falls  
Deerlick Oil-Stone Co. (Oil)  
X

OHIO—Cincinnati  
Obermayer Co., S. (Rub;  
Vitrified) .....AA

OHIO—Cleveland  
Bartlett, C O. & Snow Co.  
(Burr; Mill) .....B  
Cleveland Stone Co., Hick-  
kok Bldg. (Tool Sharpen-  
ing; Oil; Curriers';  
Scythe; Wood Pulp; Axe)  
AAAA

Cleveland Stone Co., Cuya-  
hoga Bldg. (Scythe)....B

OHIO—Columbus  
Case Mfg Co. (Burr; Mill)  
A

OHIO—Grafton  
Grafton Stone Co. (Scythe)  
B

PA.—East Bangor  
East Bangor Consolidated  
Slate Co. (Imposing).AA

PA.—Philadelphia  
Abrasive Material Co. (Em-  
ery; Oil; Rub).....A

Bullock, C. K., 1357 Ridge  
Av. (Mill) .....C  
Campbell, P. F. (Burr;  
Mill) .....D

Horn & Bro., Wm. H.  
(Curriers) .....B

PA.—Stroudsburg  
Tanite Co. (Scythe)....A

R. I.—Providence  
Amer. Emery Wheel Wks.  
(Corundum; Emery; Oil;  
Water) .....B

WIS.—Two Rivers  
Hamilton Mfg. Co. (Impos-  
ing) .....AA

**STONEWARE**

ALA.—Birmingham  
Birmingham Fire Brick Wks.  
B

COLO.—Denver  
Queen City Pottery Co....D

ILL.—Macomb  
Macomb Paper Co.....B  
Macomb Stoneware Co....A

IND.—Evansville  
Uhl Pottery Wks.....D

IOWA—Fort Dodge  
Fort Dodge Stoneware Co.C  
N. J.—Haddonfield  
Wingender & Bro., Chas.  
(Decorated) .....F

OHIO—Akron  
Fairbanks & Sons, Wm...D  
Ohio Stoneware Co.....B

Robinson Clay Produce Co.  
(Glazed) .....AAAA

United States Stoneware  
Co. ....B  
Weeks, Fred H.....C

OHIO—Atwater  
Atwater Stoneware Co....D

OHIO—Crooksville  
Diamond Stoneware Co....C  
Globe Stoneware Co.....D

OHIO—Navarre  
Navarre Stoneware Co....C

OHIO—Zanesville  
Zanesville Stoneware Co.B  
PA.—Harrisburg  
Cowden & Son, F H.....B

PA.—New Brighton  
Pittsburg Clay Mfg. Co..  
AAAA

**STONEWARE (Con.)**

PA.—Philadelphia  
Remmey & Son, Richard C..  
2639 E. Cumberland  
(Chemical) .....A

PA.—York  
Pfaltzgraff Stoneware Co.D  
WASH.—Palouse  
Palouse Pottery Co.....E

W. VA.—Parkersburg  
Donagho Co.....D

**STOOLS**

See also Furniture

CONN.—Bridgeport  
Armstrong Mfg. Co. (Fold-  
ing) .....A

CONN.—Meriden  
Parker Co., Chas. (Organ;  
Piano) .....AAAA

CONN.—New Britain  
Stanley Wks. (Folding;  
Camp) .....AAA

ILL.—Chicago  
Amer. Desk Co. (Office;  
Store) .....X

Barbee Wire & Iron Wks.  
(Wire) .....B  
Kimball Co., W. W.  
(Piano) .....AAAA

IOWA—Cedar Rapids  
Adams Mfg. Co. (Camp)..E

MAINE—South Paris  
Paris Mfg. Co. (Camp)...A

MASS.—Boston  
Heywood Bros. & Wakefield  
(Foot; Rattan) ...AAAA

MICH.—Detroit  
Murphy Chair Co. (Camp) .  
AA

MICH.—Kalamazoo  
Kalamazoo Sled Co. (Fold-  
ing; (Camp) .....A

King Folding Canvas Boat  
Co. (Camp; Folding) ..C

MICH.—Muskegon  
Heap, Wm. (Organ;  
Piano) .....D

MICH.—Rochester  
Miller Bros. (Folding  
Camp) .....X

MINN.—Minneapolis  
McLeod & Smith (Foot)..B

MO.—St Louis  
Lodgeman Chair Mfg. Co.,  
F. H. (Office) .....AA

Missouri Tent & Awning Co.  
(Camp) .....B  
Prufrock, Wm. (Foot)...A

Scarritt-Comstock Furniture  
Co. (Foot; Office; Store)  
A

N. H.—Nashua  
Fletcher & Webster Furni-  
ture Co. (Camp) .....C

Nashua Novelty Wks.  
(Camp) .....B

N. Y.—Buffalo  
Hard Mfg. Co., 41 Pearl  
(Camp) .....B

New York City  
Amer. School Furniture Co.,  
21 W. 18th (Adjustable)  
AAA

Boyle & Co., John, 112  
Duane (Camp) .....AA

Fiske, J. W. (Office)...B  
Judd & Co., H. L. (Foot;  
Piano; Brass) .....AA

Kahnweiler's Sons, David,  
437 Pearl (Camp) ....C

Mace & Co., L. H. (Foot).B  
Mason Co., J. W. (Camp).C

Neppert Francis, Jr.  
(Piano; Store) .....X

Schlesinger Bros Co. (Foot;  
Brass) .....E

Sperling Bros. (Foot; Rat-  
tan) .....F

Tonk & Bro., Wm. (Inc.),  
452 10th Av. (Piano)..C

N. Y.—Elbridge  
Stacey, Alfred E. (Camp;  
Store) .....D

N. Y.—Rochester  
Archer Mfg. Co. (Piano;  
Store) .....A

OHIO—Canal Dover  
Milner Seating Co., A. R.  
(Adjustable) .....D

OHIO—Canton  
Danner Mfg Co., John  
(Store) .....D

**STOOLS (Con.)**

**OHIO**—Columbus  
Holtzman & Sons, Henry  
(Organ; Piano) .....A  
**OHIO**—Dayton  
Stomps-Burhardt Co. (Type-  
writers') .....AA  
**OHIO**—Hamilton  
Meyers Mfg. Co., Fred J.  
(Store) .....B  
**PA.**—South Bethlehem  
Bethlehem Fdy & Machine  
Co. (Store) .....C  
**PA.**—Union City  
Novelty Wood Wks. (Foot)  
.....B

**TENN.**—Knoxville  
Knoxville Coffin Co.  
(Coffin) .....D  
**VT.**—Readsboro  
Readsboro Chair Mfg Co.  
(Foot) .....B  
**WIS.**—Milwaukee  
Kipp Co., B. A. (Foot;  
Piano; Store) .....B  
Meinecke & Son, A. (Foot)  
.....AA

**WIS.**—Racine  
Gold Medal Camp Furniture  
& Novelty Co. (Store;  
Camp) .....B  
**WIS.**—Sheboygan  
Crocker Chair Co. (Office;  
Store) .....AAA

**STOOPS**

**New York City**  
Cornell, J. B. & J. M.  
(Iron) .....AA  
Dimond, Thomas (Iron) ...A

**STOPPERS**

**CONN.**—Bridgeport  
Canfield, H. O. (Bottle).D  
**CONN.**—Meriden  
Manning, Bowman & Co.  
(Bottle) .....AA  
**CONN.**—New Britain  
Taplin Mfg. Co. (Bottle).D  
Traut & Hine Mfg. Co.  
(Bottle) .....AA  
**CONN.**—Oakville  
Baird Machine Co.  
(Bottle) .....F  
**ILL.**—Chicago  
Bartlett & Son, N. J., 196  
Clark (Bottle) .....F  
Hutchinson & Son, W. H.  
(Bottle) .....A  
Perfection Bottle Stopper  
Co. (Bottle) .....F  
**ILL.**—Paxton  
Paxton Hdw. Mfg. Co.  
(Flue) .....X  
**ILL.**—Rockford  
Clark Hardware Co., J. L.  
(Flue) .....D  
**MD.**—Baltimore  
Crown Cork & Seal Co.  
(Beer Bottle) .....AAA  
**N. J.**—Newark  
Williams Wire Novelty Co.,  
C. L. (Bottle) .....B  
**N. Y.**—Brooklyn  
Sweeney Mfg. Co., W. H.  
(Flue) .....A  
**N. Y.**—Buffalo  
Shepard & Co., Sidney  
(Flue) .....AAAA  
**New York City**  
Ansonia Brass & Copper Co.  
(Flue) .....AAAA  
Deverall Mfg. Co. (Bottle)  
.....G  
Gutmann, Ferdinand & Co.  
(Beer Bottle) .....B  
Hutter, Karl (Bottle) ...A  
Phoenix Cork Co. (Beer  
Bottle) .....C  
Putnam, Henry W. (Bottle)  
.....B  
Wittmann Bros. (Beer  
Bottle) .....A  
**OHIO**—Cincinnati  
Cramer, Jos. (Beer Bottle)  
.....X  
**PA.**—Philadelphia  
Fox & Sons, H. O. (Bottle)  
.....AA  
Hero Fruit Jar Co.  
(Bottle) .....AA  
Seldel, R. B., 1334 Callow-  
hill (Ladle) .....A

**STOPPERS (Con.)**

Twitcheil Co., S. (Bottle).A  
Wirtz, A. H., (Bottle) ...A  
**PA.**—Pittsburg  
McCullough-Dalzell Crucible  
Co. (Pumbago) .....A  
**R. I.**—Providence  
Amer. Ship Windlass Co.  
(Chain; Hawser; Pipe,  
etc.) .....AA  
**W. VA.**—Wheeling  
Wheeling Hinge Co. (Bot-  
tle) .....AA

**STOPPLES**

**CONN.**—New Haven  
Seamless Rubber Co.  
(Rubber) .....AA  
**MASS.**—Andover  
Tyer Rubber Co. (Rubber)  
.....AA  
**MASS.**—Boston  
Boston Belting Co. (Rub-  
ber) .....AAAA  
**N. J.**—Trenton  
Union Rubber Co. (Rubber)  
.....E  
**New York City**  
Goodyear Rubber Co.  
(Rubber) .....AAAA  
Goodyear's India Rubber  
Glove Mfg. Co. (Rubber)  
.....AAAA  
Gutta Percha & Rubber  
Mfg Co. (Rubber)AAAA  
Hodgman Rubber Co. ....AA  
India Rubber Comb Co.  
(Rubber) .....X  
Mattson Rubber Co. (Rub-  
ber) .....B  
N. Y. Belting & Packing  
Co. (Rubber) .....AA  
Parker, Stearns & Sutton  
(Rubber) .....B  
**OHIO**—Akron  
Akron Rubber Wks.  
(Rubber) .....AAAA  
Goodrich Co., B. F.  
(Rubber) .....AAAA  
**R. I.**—Providence  
Davol Rubber Co. (Rubber)  
.....AA

**STOPS**

**CONN.**—Bridgeport  
Knapp & Cowles Mfg. Co.  
(Door) .....C  
**CONN.**—Bristol  
Sessions & Son, J. H.  
(Rubber Tip Door) ...AAA  
**CONN.**—Deep River  
Denison Bros. (Organ) ...D  
**CONN.**—New Britain  
Judd, Oliver S. (Door) ...A  
Russell & Erwin Mfg. Co.  
(Door; Bead) .....AAAA  
**CONN.**—New Haven  
Hoggson & Peltes Mfg. Co.  
(Organ) .....A  
Mallory, Wheeler Co.  
(Door) .....AA  
Peck Bros. & Co. (Corpora-  
tion) .....A  
**CONN.**—Pine Meadow  
Chapen-Stephens Co. (Door;  
Plane) .....A  
**CONN.**—South Norwalk  
Norwalk Lock Co. (Door).A  
**CONN.**—Torrington  
Union Hdw. Co. (Door) ...A  
**ILL.**—Aurora  
Wilcox Mfg. Co. (Door &  
Bench) .....B  
**ILL.**—Chicago  
Crane Co. (Corporation;  
Water Works) .....AAAA  
Hine-Watt Mfg. Co. (Door)  
.....D  
**ILL.**—Decatur  
Mueller Mfg. Co., H. (Cor-  
poration; Water Works)A  
**ILL.**—Freeport  
Arcade Mfg. Co. (Door) ...B  
Stover Mfg. Co. (Bench) ...A  
**MASS.**—Boston  
Blount Mfg. Co. (Door) ...F  
**MASS.**—Brightwood  
Stebbins Mfg. Co., E.  
(Corporation; Water  
Works; Rough) .....B  
**MASS.**—Fitchburg  
Novelty Turning Co.  
(Organ) .....E

## STOPS (Con.)

**MASS.**—North Adams  
Hunter Machine Co., Jas.  
(Elevator; Safety) .....A  
**MASS.**—Salem  
Locke Regulator Co. (Auto-  
matic Engine; Speed Lim-  
it) .....A  
**MASS.**—Springfield  
Whipple & Co., R. P. (Com-  
bination Bench) .....H  
**MICH.**—Detroit  
Detroit Ship Building Co.  
(Door) .....AAAA  
**MICH.**—Fenton  
Phillips Co., A. J. (Door) A  
**MICH.**—Kalamazoo  
Hill & Co., W. E. (Log) ..D  
**MO.**—St. Louis  
Bleha Patent Door Stop Co.,  
2117 Bismark (Door) ..X  
**N. J.**—Newark  
Williams Wire Novelty Co.,  
C. T. (Door) .....B  
**N. Y.**—Buffalo  
Pratt & Letchworth (Plow;  
Hooks) .....AA  
**N. Y.**—Elmira  
Cronk & Carrier Mfg. Co.  
(Door) .....B  
**New York City**  
Bardsley, Joseph, 147 Bax-  
ter (Door) .....B  
Consolidated Engine Stop  
Co., 98 B'way (Engine;  
Speed Limit) .....D  
Millers Falls Co., 28 War-  
ren (Bench) .....AA  
Morrill Co., Chas., 277  
B'way (Bench) .....D  
Peck, Stow & Wilcox Co.,  
27 Murray (Bench) AAAA  
Sargent & Co., 15 Leonard  
(Bench; Door) .....AAAA  
Yale & Towne Mfg. Co.  
(Door) .....AAAA  
**N. Y.**—Poughkeepsie  
Lane Bros. Co. (Door) ...A  
**N. Y.**—Rochester  
Caldwell Mfg. Co., 8 Jones  
(Door) .....E  
Pullman Mfg. Co. (Door) .C  
Yawman & Erbe Mfg. Co.  
(Elevator Lock) .....AA  
**OHIO**—Cincinnati  
Miller, L. J., 1233 Harrison  
(Elevator) .....A  
**OHIO**—Norwood  
Cincinnati Tool Co. (Bench) .A  
**OHIO**—Piqua  
Piqua Handle & Mfg. Co.  
(Door) .....A  
**PA.**—Philadelphia  
Brohard Co., 1624 N. 9th  
(Door) .....B  
Shaw, Thos. (Siding) ....A  
**PA.**—Reading  
Reading Hardware Co.  
(Door) .....AAAA  
**VT.**—Montpelier  
Lane Mfg. Co. (Log) ....A  
**WIS.**—Milwaukee  
Filer & Stowell Co. (Log) .AAA

**WIS.**—Racine  
Freeman & Sons Mfg. Co.,  
S. (Electric Engine) ....A

## STOUT

**N. J.**—Newark  
Ballantine & Sons, P. ....A  
Feigenspan, Christian .....AAAA  
**N. Y.**—Brooklyn  
New York & Brooklyn  
Brewing Co. ....A  
**N. Y.**—Hudson  
Evans & Sons, C. H. ....AA  
**New York City**  
Beadleston & Woerz. ....A  
**N. Y.**—Syracuse  
Greenway Brewing Co. ....B  
**PA.**—Philadelphia  
Bergner & Engle Brewing  
Co. ....AAAA

## STOVES

**CAL.**—San Francisco  
Ils & Co., Jno. G., 814 Kear-  
ney (Steel Ranges) .....C  
**CONN.**—Cromwell  
Stevens & Co., J. & E.

## STOVES (Con.)

(Toy) .....A  
**CONN.**—New Haven  
Yale Gas Stove Co. (Gas  
Ranges) .....F  
**CONN.**—South Norwalk  
Challenge Mfg. Co. (Gas  
Ranges) .....X  
**CONN.**—Stamford  
Stamford Gas Stove Co.  
(Gas Ranges) .....C  
**CONN.**—Waterbury  
Plume & Atwood Mfg. Co. ...  
(Oil Lamp) .....AAA  
**ILL.**—Batavia  
Sperry & Co., D. B. (Laun-  
dry) .....C  
**ILL.**—Belleville  
Belleville Stove Wks.  
(Laundry; Wood) .....A  
**ILL.**—Chicago  
Adams & Westlake Co.  
(Gas; Oil; Vapor) ...AAA  
Amer. Stove Co., 72 Lake  
(Gas; Oil; Gasoline Ran-  
ges) .....AAAA  
Barler Mfg. Co., 104 Lake  
(Oil) .....C  
Bramhall Range Co., 81  
Market (Steel Ranges) B  
Chicago Stove Works  
(Parlor) .....A  
Clark & Co., Geo. M. (Gas;  
Gasoline; Oil; Vapor) .AAAA  
Cribben & Sexton Co., 52  
Erie (Vapor; Wood; Steel  
Ranges) .....AAAA  
Illinois Malleable Iron Co.,  
30 W. Monroe (Laundry;  
Heator; Taylors') AAAA  
McGuire Mfg. Co., 122 N.  
Saginaw (Car) .....A  
M. & D. Range Co., 100  
Lake Av. (Steel Ranges) B  
Nicol & Co. (Oil Lamp) ...D  
Rubel & Co. (Gas; Steel  
Ranges) .....B  
Smith Co., Charles, 123 Lake  
(Laundry) .....B  
Stearnes Steel Range Co.,  
31 Market (Steel Ranges) F  
Wilson & Co., F. Cortes  
(Cooking) .....B  
**ILL.**—Harvey  
Buda Foundry & Mfg. Co.  
(Railway) .....A  
**ILL.**—Marengo  
Collins & Burgie Stove Co.  
(Gas) .....B  
**ILL.**—Peoria  
Culter & Procter Stove Co.  
(Parlor) .....A  
**ILL.**—Quincy  
Comstock-Castle Stove Co.  
(Steel Ranges) .....AA  
**ILL.**—Rockford  
Eclipse Gas Stove Co. (Gas  
Ranges) .....B  
**IND.**—Evansville  
Indiana Stove Works (Dairy;  
Farmers'; Wood) .....A  
**IND.**—Indianapolis  
Home Stove Co. (Steel  
Ranges) .....A  
**IND.**—Kokomo  
Globe Stove & Range Co.  
(Steel Ranges) .....A  
**IDD.**—South Bend  
Malleable Steel Range Mfg.  
Co. (Steel Ranges; Laun-  
dry) .....B  
**IND.**—Vincennes  
Star Shovel & Range Co.  
(Wood; Coal) .....B  
**KANS.**—Leavenworth  
Great Western Stove Co.  
(Cooking) .....AA  
**KY.**—Louisville  
Bridgeford & Co. (Steel  
Ranges) .....A  
**MD.**—Baltimore  
Bryan Mfg. Co. (Gas) ....H  
Hutchinson Bros., 116 N.  
Howard (Steel Ranges) D  
Schulz & Co., A. S. (Gas) G  
Weiskittel & Son, A. (Gas;  
Oil; Gas Ranges) .....A  
**MASS.**—Boston  
Highland Foundry Co.  
(Parlor) .....B  
Howes Co., S. M. (Gas; Gas-  
oline; Oil; Coal; Wood) C  
Magee Furnace Co. (Laun-

**STOVES (Con.)**

dry; Parlor; Wood) ..AA  
Walker & Pratt Mfg. Co., 31  
Union (Laundry; Steel  
Ranges) .....AA  
White & Co., Chas. H., 22  
Bowker (Confectioners') F  
**MASS.—Chelsea**  
Low Art Tile Co. (Tile) .F  
**MASS.—Gardner**  
Central Oil & Gas Stove Co.  
(Gas; Wickless Oil) ...C  
**MASS.—Springfield**  
Gilbert & Barker Mfg. Co.  
(Vapor) .....A  
**MASS.—Taunton**  
Weir Stove Co. (Parlor;  
Wood) .....A  
**MICH.—Big Rapids**  
Michigan Heater Co. (Steel  
Ranges) .....C  
**MICH.—Chelsea**  
Glazier Stove Co. (Oil) ...A  
**MICH.—Detroit**  
Detroit Heating & Lighting  
Co., 335 Wight (Gas Rang-  
es) .....B  
Detroit Stove Wks. (Dairy;  
Hot Blast; Laundry; Open  
Grate Parlor; Street Car;  
Wood; Gas Ranges) AAA  
Ideal Mfg. Co., 548 Frank-  
lin (Gas Ranges) .....A  
Peninsular Stove Co. (Steel  
Ranges; Parlor; Car;  
Wood Stoves) .....AA  
Sun Vapor Stove Mfg. Co.  
(Gasoline) .....A  
**MICH.—Dowagiac**  
Beckwith. Philo D. (Parlor)  
AAA  
**MICH.—Grand Rapids**  
Michigan Hdw. Mfg. Co.  
(Oil) .....F  
**MICH.—Jackson**  
Electric Oil Stove Co. (Oil)  
B  
Novelty Mfg. Co. (Oil; Gas;  
Gasoline; Ranges) .....A  
**MICH.—Kalamazoo**  
Economy Gas Stove Co.  
(Gas Ranges) .....D  
**MINN.—St. Paul**  
Wolterstorff & Haskell Mfg.  
Co., 186 E. 6th (Hotel;  
Family; Steel Ranges) E  
**MO.—Kansas City**  
Kansas City Steel Range  
Mfg. Co., 610 Bway. ....C  
**MO.—St. Louis**  
Majestic Mfg. Co., 2014 Mor-  
gan (Steel Ranges) ...A  
Meyrose Lamp Mfg. Co.  
(Oil) .....X  
Ringer Stove Co. (Vapor) A  
**NEBR.—Lincoln**  
Buckstaff Bros. Mfg. Co.  
Steel Ranges) .....A  
Hall Bros. Co. (Steel Rang-  
es) .....D  
**N. Y.—Albany**  
Albany Foundry Co. (Gas;  
Oil) .....C  
Littlefield Stove Co. (Par-  
lor; Wood) .....A  
Bathbone, Sard & Co.  
(Dairy; Farmers'; Par-  
lor; Vapor; Wood) AAA  
**N. Y.—Brooklyn**  
Eagle Iron Works, 1850 De  
Kalb Av. (Plasterers') C  
Hank & Son, Chas. J., 36  
Stagg (Pocket Alcohol) B  
Voxel & Bros., Wm. (Oil) AA  
New York City  
Abendroth Bros. Corp., 109  
Beekman (Gas Ranges) A  
Abercrombie & Fitch, 314  
Bway. (Folding Camp) C  
Amer. Gas Furnace Co.  
(Gas) .....A  
Bramhall, Deave Co., 264  
Water (Steel Ranges) ..D  
Cosmopolitan Range Co., 28  
Sullivan (Steel Ranges) X  
Crane Co., W. M., 1133  
Bway. (Gas; Laundry;  
Tailors'; Ranges) .....A  
Criterion Gas Stove Mfg.  
Co., 445 Greenwich (Gas  
Ranges) .....B  
Diets Co., R. E. (Oil) ....A  
Dunarquet, Hnot & Moneuse,  
43 Wooster (Steel Ranges)  
AA

**STOVES (Con.)**

Houchin Co., Thos. W.  
(Pocket Alcohol) .....D  
Munsell & Co., Eugene (Gas;  
Laundry; Oil; Parlor; Va-  
por; Wood) .....B  
Nichthauser & Levy, 96  
Beekman (Oil) .....C  
Richardson & Boynton Co.  
(Parlor) .....AA  
Union Stove Wks. (Laundry;  
Oil; Parlor) .....A  
Walsh Co., Owen, 19 Roose-  
velt (Pocket Alcohol) ..D  
Wellington Mfg. Co. (Oil  
Lamp; Vapor) .....D  
**N. Y.—Troy**  
Burdett, Smith & Co.  
(Parlor) .....A  
Fales, A. B. (Wood) .....D  
Fuller & Warren Co. (Dairy;  
Laundry; Open Grate;  
Parlor; Wood) .....AA  
Mahoney, Michael (Laundry;  
Vapor) .....B  
**OHIO—Akron**  
Taplin, Rice & Co., (Steel  
Ranges) .....A  
**OHIO—Cincinnati**  
Fischer Mfg. Co., Wm. G.,  
19 Church Pl. (Laundry;  
Steel Range) .....H  
Lawson Co., F. H. (Wood) A  
Lotze's Sons & Co., A., 527  
Walnut (Steel Ranges) B  
Miller Range & Furnace Co.,  
W., 127 E. 5th (Portable  
Steel Ranges) .....A  
Obermayer Co., S. (Brass  
Founders') .....A  
Resor & Co., Wm. (Steel  
Ranges) .....AA  
Van Range Co., Jno., 419  
Elm (Laundry; Steel Rang-  
es for Families, Hotels &  
Institutions) .....A  
**OHIO—Cleveland**  
Born Steel Range Co. (Steel  
Ranges) .....AA  
Cleveland Co-operative Co.  
(Wood) .....AA  
Cleveland Foundry Co.  
(Cooking; Heating; Oil  
Gas; Gas Ranges) ....A  
Dangler Stove Mfg. Co.  
(Gasoline; Gas; Oil) AAAA  
Fanner Mfg. Co. (Oil Lamp)  
A  
Federal Mfg. Co. (Oil  
Lamp) .....AAAA  
National Stove & Illumina-  
ting Co., New England  
Bldg. (Acetylene) .....D  
Schneider & Trenkamp Co.,  
479 Case Av. (Gas; Gaso-  
lene; Oil; Coal; Laundry;  
Tailors' Gas; Ranges) AAA  
Standard Lighting Co. (Gas;  
Oil; Vapor) .....AAAA  
Taylor & Boggis Foundry  
Co. (Oil; Vapor; Gas; Gaso-  
lene) .....AA  
Tyler, E. W. (Pocket Alco-  
hol) .....X  
**OHIO—Columbus**  
Peerless Stove & Range Co.  
(Gas Ranges) .....D  
**OHIO—Crestline**  
Schell Bros. Co. (Steel  
Ranges) .....A  
**OHIO—Dayton**  
Kinsey Mfg. Co. (Gasoline)  
B  
**OHIO—Freeport**  
National Light & Heating  
Co. (Gas Ranges) .....B  
**OHIO—Hamilton**  
Kahn & Bros., F. L. (Gas;  
Laundry; Wood) .....A  
**OHIO—Hillsboro**  
Bell & Co., C. S. (Caboose;  
Heavy Heating) .....A  
**OHIO—Mansfield**  
Eclipse Stove Co. (Laundry;  
Steel Ranges) .....A  
Monarch Stove & Mfg. Co.  
(Gasoline; Gas; Oil) ..B  
New Process Stove Co. (Nat-  
ural Gas; Heating; Cook-  
ing Ranges) .....B  
**OHIO—Massillon**  
Hess, Snyder Co. (Laundry;  
Wood; Coal) .....AA



**STOVES (Con.)**

**OHIO—Newburgh**  
 Franke Steel Range Co., H.,  
 1911 Harvard (Steel Ranges) .....A  
**OHIO—Piqua**  
 Favorite Stove & Range Co.  
 (Parlor; Wood) .....AA  
**OHIO—Portsmouth**  
 Portsmouth Stove & Range  
 Co. (Steel Ranges) ....B  
**OHIO—Springfield**  
 Progress Furnace & Stove  
 Co. (Gas Ranges) .....B  
**OHIO—Warren**  
 Warren Hardware Co.  
 (Steel Ranges) .....B  
**OHIO—Youngstown**  
 Pollock & Co., W. B. (Hot  
 Blast) .....AA  
**PA.—Allegheny**  
 Carlin's Sons, Thos.  
 (Plasterers') .....A  
 Stevenson Mfg. Co. (Laun-  
 dry; Gas; Ranges) ....E  
**PA.—Erie**  
 Griswold Mfg. Co. (Gas) A  
 Hollands Mfg. Co. (Gas;  
 Gasolene; Oil) .....C  
 Odlin Stove Mfg. Co. (Gas  
 Ranges) .....B  
**PA.—Harrisburg**  
 Hickok Mfg. Co., W. O.  
 (Gas; Gasolene) .....AA  
**PA.—Lebanon**  
 Lebanon Stove Works (Cook-  
 ing) .....D  
**PA.—Philadelphia**  
 Clad & Sons, V., 239 S. 12th  
 (Steel Ranges) .....B  
 Cox Stove Co., Abram (Hot  
 Blast; Laundry; Oil; Open  
 Grate; Wood) .....AA  
 Phila Engineering Wks.  
 (Hot Blast) .....A  
 Sheppard & Co., Isaac A.  
 (Laundry; Wood) .AAA  
**PA.—Pittsburg**  
 Bartlett, J. C., 632 Liberty  
 Av. (Coal; Gas Steel Ran-  
 ges) .....B  
 McClure Son & Co., G. W.  
 (Fire Brick) .....D  
 Riter-Conley Co. (Hot  
 Blast) .....AA  
**PA.—Pittston**  
 Pittston Stove Co. (Parlor)A  
**PA.—Reading**  
 Mount Penn Stove Works  
 (Laundry; Parlor; Confec-  
 tioners') .....A  
 Reading Stove Works (Laun-  
 dry; Parlor; Wood) .AA  
**PA.—South Bethlehem**  
 Bethlehem Foundry & Ma-  
 chine Co. (Drying for  
 Lump Sugar).....C  
**PA.—Uniontown**  
 Johnson Machine Co. (Gas  
 Ranges) .....E  
**TENN.—Chattanooga**  
 Chattanooga Car & Foundry  
 Co. (Coal; Wood) .....A  
 Chattanooga Roofing Foun-  
 dry Co. (Coal; Wood) ..B  
**WIS.—Neenah**  
 Bergstrom Bros. & Co.  
 (Cooking; Wood) .....AA

**STRAIGHT-ENERS**

**ILL.—Freeport**  
 Hofer Mfg. Co. (Wire) ..C  
**IND.—Elkhart**  
 Elkhart Frog & Crossing  
 Wks. (Angle) .....C  
**MASS.—Greenfield**  
 Wells Bros. Co. (Axle) ...A  
**PA.—Pittsburg**  
 Lewis Fdy. & Machine Co.  
 (Angle) .....A

**STRAINERS**

**CONN.—East Hadden**  
 Boardman & Son, L. (Bowl)  
 AA  
**CONN.—Meriden**  
 Meriden Britannia Co.  
 (Tea; Coffee) .....AAAA  
**CONN.—Southport**  
 Jelliff & Co., C. O. (Wire)C

**STRAINERS (Con.)**

**CONN.—Wallingford**  
 Wallace & Sons Mfg. Co., R.  
 (Tea; Coffee; Toddy)AAA  
**ILL.—Batavia**  
 U. S. Wind Engine & Pump  
 Co. (Pump) .....A  
**ILL.—Belleville**  
 Belleville Pump & Skein  
 Wks. (Pump) .....A  
**ILL.—Chicago**  
 American Spiral Pipe Works,  
 1173 S. Paulina (Pipe) B  
 Barbee Wire & Iron Wks.  
 (Conductor) .....B  
 Dietzgen Co., Eugene  
 (Artists') .....A  
 Illinois Malleable Iron Co.  
 (Well; Sink) .....AAAA  
 Jewell Filter Co., O. H.  
 (Faucet) .....X  
**ILL.—Peoria**  
 Clark, Quilen & Morse (Con-  
 ductor Pipe) .....A  
**ILL.—Rockford**  
 Clark Hardware Co., J. L.  
 (Dredge; Sifter) .....D  
**IND.—Lawrenceburg**  
 Cook, A. D. (Tube Well) B  
**MASS.—Boston**  
 Edson Mfg. Co. (Suction;  
 Globe) .....E  
**MASS.—Lowell**  
 Woods, Sherwood & Co.  
 (Faucet; Tea; Coffee;  
 Wire) .....C  
**MASS.—Worcester**  
 National Mfg. Co. (Cup;  
 Faucet; Gravy; Tea; Cof-  
 fee; Toddy; Wire; Bowl)B  
 Parker Wire Goods Co. (Con-  
 ductor Pipe; Sink) .....E  
 Wire Goods Co. (Conductor  
 Pipe; Sink) .....A  
 Wright Wire Co. (Conductor  
 Pipe) .....AA  
**MICH.—Battle Creek**  
 Sigrist Martin Co. (Coffee;  
 Tea Pot) .....G  
**MO.—St. Louis**  
 Ludlow-Saylor Wire Co.  
 (Conductor Pipe) ....AA  
 N. J.—Haddonfield  
 Star Milk Cooler Co. (Milk)C  
 N. J.—Newark  
 Bernz, Otto (Gutter) ....B  
**N. Y.—Brooklyn**  
 Sweeny Mfg. Co., W. H.  
 (Tea; Coffee) .....A  
**N. Y.—Buffalo**  
 Shepard & Co., Sidney  
 (Milk) .....AAAA  
 Western Wire Goods Co.  
 (Conductor Pipe; Sink) D  
**N. Y.—Cortland**  
 Wickwire Bros. (Bowl)  
 AAAA  
**New York City**  
 Caws Pen & Ink Co.  
 (Artists') .....D  
 Eaton, Cole & Burnham Co.  
 (Pump) .....AAAA  
 Fredericks, E. H. (Artists')  
 A  
 Gilbert & Bennett Mfg. Co.,  
 277 Bway. (Conductor  
 Pipe) .....AAA  
 International Silver Co., 9  
 Maiden Lane (Silver Pla-  
 ted Tea) .....AAAA  
 Iron Clad Mfg. Co. (Milk)  
 AAA  
 Lalance & Grosjean Mfg. Co.  
 (Cup; Tea; Coffee; Tod-  
 dy) .....AAAA  
 Reilley Bros. (Kalsomine;  
 Paint) .....D  
 Stoutenborough, X. (Tea;  
 Coffee) .....D  
 Sweet & Co., L. W. 89  
 Maiden Lane (Tea; Cof-  
 fee) .....C  
 Worthington Pumping En-  
 gine Co. (Pump) .AAAA  
**N. Y.—Seneca Falls**  
 Rumsey & Co. (Ltd.)  
 (Pump) .....A  
**N. Y.—Troy**  
 Ludlow Valve Mfg. Co.  
 (Pump) .....AAA  
 Parks & Parks (Milk) ....D  
**OHIO—Ashtabula**  
 Barber Mfg. Co. (Sink) ...C

**STRAINERS (Con.)**

**OHIO—Canton**  
 Berger Mfg. Co. (Conductor Pipe) .....AA  
 Canton Steel Roofing Co. (Conductor Pipe) .....A  
**OHIO—Cincinnati**  
 Bromwell Brush & Wire Goods Co. (Wire) .....A  
**OHIO—Cleveland**  
 Garry Iron & Steel Co. (Conductor Pipe) .....A  
**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred. J. (Tea; Coffee; Conductor Pipe) .....B  
**PA.—Philadelphia**  
 Berger Bros. Co., 231 Arch (Conductor Pipe) .....A  
 Darby & Sons, Edw., 233 Arch (Conductor Pipe) A  
**WIS.—Kenosha**  
 Frost Mfg. Co. (Basin) ..B  
**WIS.—Milwaukee**  
 Wallman Mfg. Co. (Calamine) .....E

**STRAPS**

**CONN.—Bridgeport**  
 Hotchkiss, Edward S. (Shawl) .....A  
 Smith & Edge Mfg. Co. (Single; Double Pipe) ..A  
**CONN.—Danielson**  
 Jacobs Mfg. Co., E. H. (Harness; Loom) .....B  
**CONN.—Easthampton**  
 Bevins Bros. Mfg. Co. (Sleighbell) .....A  
**CONN.—Torrington**  
 Union Hardware Co. (Skate; Car Bell) .....AA  
**CONN.—Waterbury**  
 American Pin Co. (Brass Pipe; Shawl) .....AA  
 Steele & Johnson Mfg. Co. (Pipe) .....A  
**DEL.—Wilmington**  
 Rhoads & Sons, J. E. (Street Car) .....A  
**ILL.—Chicago**  
 Acme Flexible Clasp Co. (Box; Embossed Flat Wire; Barbed; Crate) ..A  
 Chicago Raw Hide Mfg. Co., 75 Ohio (Harness; Raw Hide Luggage) .....A  
 Continental Bolt & Iron Works (Pole) .....A  
 Fitzgerald Trunk Co. (Shawl; Shoulder) ....A  
 Haskell Bros. (Shawl; Trunk) .....A  
 Illinois Malleable Iron Co., 34 W. Monroe (Pipe) AAAAA  
 Pick Mfg. Co., 10 5th Av. (Baby Carriage) .....C  
 Western Leather Mfg. Co. (Shawl; Tourists'; Trunk) D  
 Wilt, Chas. T. (Shawl; Tourists') .....B  
 Wolff Mfg. Co., L., 117 W. Lake (Pipe) .....AAAA  
**IND.—Anderson**  
 Buckeye Mfg. Co. (Shaft; Pole) .....AA  
**IOWA—Dubuque**  
 Dubuque Harness & Saddlery Co. (Hame; Harness) ..X  
**KY.—Newport**  
 Higgin Mfg. Co. (Back Stay) .....A  
**MD.—Baltimore**  
 National Supply Co., 7 W. Lombard (Timber) ....B  
**MASS.—Boston**  
 Boston Belting Co., 456 Devonshire (Deckle for Foundry Paper Machines) AAAAA  
 Boston Bolt Co., 33 Purchase (Pipe) .....C  
 Boston Brass Co., 36 Oliver (Pipe) .....C  
 Boston Woven Hose & Rubber Co. (Deckle) ..AAAA  
 Revere Rubber Co. (Deckle) AAAAA  
 Walworth Mfg. Co., 132 Federal (Pipe) ....AAAA  
**MASS.—Dedham**  
 Abbott Mfg. Co., J. V.

**STRAPS (Con.)**

(Loom) .....D  
**MASS.—Fall River**  
 Union Belt Co. (Loom) ..B  
**MASS.—Franklin**  
 Milliken & Son, L. W. (Lug.) .....D  
**MASS.—Holyoke**  
 Holyoke Belting Co. (Trunk) O  
**MASS.—Lowell**  
 Gates & Sons, Josiah (Loom) X  
**MASS.—South Attleboro**  
 Coupe & Co., Wm. (Harness) X  
**MASS.—Worcester**  
 Warren Co., J. J. (Book; Handy; Shawl; Tourists'; Trunk; Fish Basket; Slings; Baggage Check; Children's Carriage; Skate; Street Car) ....B  
**MICH.—Detroit**  
 Anderson & Sons, W. H. (Pipe; Pole) .....C  
 Diamond Stamped Ware Co. (Pipe) .....NA  
**MO.—Kansas City**  
 Kansas City Bolt & Nut Co. (Timber; Bridge) .....A  
**N. H.—Concord**  
 Page Belting Co. (Loom; Hame; Skate; Strapping) AA  
**N. J.—Harrison**  
 Headley & Farmer Co. (Shoulder; Tourists'; Trunk) .....A  
**N. J.—Newark**  
 Caille Co. (Shoulder) ....D  
 Hager & Co. (Shoulder; Tourists') .....H  
 Peddle & Co., T. B. (Shawl; Shoulder; Tourists'; Trunk) .....AA  
 Peters Harness & Saddlery Co. (Hame) .....O  
 Sterling-Meeker Co., 420 Ogden (Hand Hold for Cars) D  
**N. Y.—Binghamton**  
 Crandal, Stone & Co. (Curtain) .....A  
**N. Y.—Brooklyn**  
 De Haven Mfg. Co., 50 Columbia Hts. (Box) ..A  
**N. Y.—Buffalo**  
 Buffalo Weaving Co. (Shawl; Trunk; Web Telescope) .....A  
 McKinnon Dash Co. (Curtain) .....AA  
**N. Y.—Interlaken**  
 Covert's Saddlery Wks. (Hame) .....C  
**New York City**  
 American Box Strap Co., 501 W. B'way. (Box) ..D  
 American Railway Supply Co., 24 Park Pl. (Baggage Check) .....X  
 Cary Mfg. Co., 19 Roosevelt (Box; Soft Steel) .....B  
 Evory Mfg. Co., 102 John (Pipe) .....E  
 Fee & Mason, 66 Beekman (Pipe) .....F  
 Goodyear's India Rubber Glove Mfg. Co. (Trousers) AAAAA  
 Gutta Percha & Rubber Mfg. Co. (Deckle; Hose)AAAA  
 Hahn & Co., A. (Shawl) ..B  
 Haydenville Mfg. Co. (Hose) A  
 Lalance & Grosjean Mfg. Co., 19 Cliff (Wrought Steel; Gas, etc.) ..AAAA  
 Standard Metal Strap Co., 336 E. 38th (Box) ....F  
 Twisted Wire Box Strap Co., 451 Gw'ch. (Box) .....D  
 Wintjen, John G. (Cane; Umbrella) .....E  
**N. Y.—Unadilla**  
 Tie Co. (Shawl) .....D  
**N. Y.—Watervliet**  
 Covert Mfg. Co. (Hame) A  
**OHIO—Canton**  
 Elbel & Co. (Hame) .....A  
**OHIO—Cleveland**  
 Cleveland Hardware Co. (Box) .....AA  
 Likly & Rockett (Shawl) B

**STRAPS (Con.)**

**OHIO**—Columbus  
 Peters & Herron Dash Co.  
 (Roll Up) .....C  
**OHIO**—Hamilton  
 Black & Clawson Co.  
 (Deckle) .....AAA  
**PA.**—Philadelphia  
 Berger Bros. Co., 287 Arch  
 (Gas Pipe) .....A  
 Devlin & Co., Thos., 3d &  
 Lehigh Av. (Malleable  
 Iron) .....AA  
 Horstman Co., Wm. H.  
 (Shoulder) .....AAAA  
 Houghton Co., E. F., 240 W.  
 Somerset (Mill) .....AA  
 Rhoads & Son, J. E. ....A  
**E. I.**—Pawtucket  
 Weatherhead, Thompson &  
 Co. (Loom) .....A  
**E. I.**—Providence  
 American Supply Co. (Loom)  
 AA  
 Brown Bros. Co. (Loom) B  
 Burgess & Son, A. (Harness;  
 Loom) .....X  
**WIS.**—Racine  
 Racine Malleable & Wrought  
 Iron Co. (Hammer) ....A  
 Seor Trunk Co., M. M.  
 (Shawl) .....A

**STRAW  
GOODS**

**MASS.**—Amherst  
 Hills & Co. ....B  
**MASS.**—Boston  
 Broderon & Day, 287 Devon-  
 shire .....B  
 New York City  
 Blum & Koch, 90 5th Av. ...A  
 Carroll-Hixou-Jones Co., 585  
 Bway. ....C  
 Comey & Co., 584 Bway. ...B  
 Hirsh & Park, 593 Bway. AA  
 Knowlton & Sons, Wm., 564  
 Bway. ....AAAA  
 Lewis, Hirsh & Co., 593  
 Bway. ....C  
 Sawyer & Co., H. F., 43  
 Bleecker .....B  
 Searle, Dailey & Co., 602  
 Bway. ....AA  
 Shumway & Son, Albert, 638  
 Bway. ....D  
**OHIO**—Cleveland  
 Comey & Johnson .....B  
**PA.**—Philadelphia  
 Muller & Co., G. P., 113 N.  
 7th .....D  
 Potter & Son, Jos, 261 Arch  
 D  
 Rosenau Bros., 305 N. 8th A  
**WIS.**—Milwaukee  
 Slocum Straw Wks. ....C

**STRAWS**

**D. C.**—Washington  
 Stone, Marvin C. (Paper) A  
**N. J.**—Camden  
 Sayford Paper Goods Co.  
 (Paper) .....C  
 New York City  
 Coe Mfg. Co., 50 Warren  
 (Soda) .....F  
 Tharnauer & Bro., G. M., 37  
 Park Row (Julep; Lemon-  
 ade) .....X  
**OHIO**—Lisbon  
 Union Mfg. Co. (Soda) ...D

**STRETCHERS**

**CONN.**—Ansonia  
 Farrell Fdry. & Machine  
 Co. (Rubber Belt) .AAAA  
**CONN.**—Bridgeport  
 Knapp, Geo. S. (Carpet;  
 Shoe) .....E  
 Knapp & Cowles Mfg. Co.  
 (Carpet; Wire) .....C  
**CONN.**—Chester  
 Brooks & Sons, M. S.  
 (Trousers) .....B  
**CONN.**—Georgetown  
 Gilbert & Bennett Mfg. Co.  
 (Wire) .....AAA  
**CONN.**—New Haven  
 National Steel & Wire Co.  
 (Wire) .....AAAA

**STRETCHERS (Con.)**

**CONN.**—Oakville  
 Smith & Son, Seymour  
 (Carpet) .....D  
**CONN.**—Plainville  
 Hill, Edwin (Carpet) ...A  
**ILL.**—Aurora  
 Wilcox Mfg. Co. (Fence;  
 Wire) .....B  
**ILL.**—Chicago  
 Amer. Steel & Wire Co.,  
 Rookery Bldg. (Wire) ...AAAA  
 Chicago Curtain Stretcher  
 Co., 100 W. Lincoln  
 (Curtain) .....D  
 Chicago Woodenware Co.  
 (Curtain) .....D  
 Dietzgen Co., Eugene  
 (Artists') .....A  
 Holliday Mfg. & Eng. Co.,  
 160 Bunker (Carpet;  
 Fence; Wire) .....D  
 Janesville Hay Tool Co., 122  
 Lake (Wire) .....C  
 National Hoist & Machine  
 Co., 463 W. 22nd (Wire;  
 Cable) .....G  
 Whipple Mfg. Co., Royal  
 Ins. Bldg. (Curtain) ..E  
**ILL.**—De Kalb  
 De Kalb Fence Co. (Wire;  
 Fence) .....AA  
**ILL.**—Freeport  
 Arcade Mfg. Co. (Fence;  
 Wire; Carpet) .....A  
**ILL.**—Harvard  
 Hunt, Helm, Ferris & Co.  
 (Wire) .....AA  
**ILL.**—Peoria  
 Keystone Fence Co. (Wire)  
 AA  
**ILL.**—St. Charles  
 Leader Fence Machine Mfg.  
 Co. (Wire) .....C  
**ILL.**—Sterling  
 Novelty Iron Wks. (Wire)  
 E  
**IND.**—Anderson  
 Dwiggins Wire Fence Co.  
 (Wire) .....B  
**IND.**—Indianapolis  
 Enterprise Fdry. & Fence  
 Co. (Wire) .....B  
**IND.**—Richmond  
 Elliott & Reid Co. (Wire;  
 Fence) .....D  
**IOWA**—Lyons  
 Buell Mfg. Co., W. E.  
 (Shoe) .....E  
**MASS.**—Boston  
 Chandler & Farquhar Co.,  
 36 Federal (Wire) ....B  
 Power & Co., J. H. (Shoe)  
 X  
**MASS.**—Holyoke  
 Holyoke Machine Co.  
 (Cloth) .....AA  
**MASS.**—Stoughton  
 Belcher, Geo. C. (Shoe) ...C  
**MASS.**—Worcester  
 Cleveland Machine Wks.  
 (Cloth) .....A  
 Curtis & Marble Machine  
 Co. (Cloth) .....A  
 Wire Goods Co. (Trousers)  
 A  
**MICH.**—Detroit  
 Majestic Wire Fence Co.  
 (Fence; Wire) .....F  
**MICH.**—Galion  
 Montross, R. W. (Carpet)  
 B  
**MICH.**—Grand Rapids  
 Baldwin, Tuthill & Bolton  
 B  
**MICH.**—Muskegon  
 Sargent Mfg. Co. (Hospi-  
 tal) .....B  
**MO.**—St. Louis  
 Ludlow-Saylor Wire Co.  
 (Wire; Fence) .....AA  
**N. J.**—Montclair  
 Heller & Co., W. C.  
 (Wire; Fence) .....F  
**N. J.**—Newark  
 Celluloid Co. (Glove) ...B  
 Kraeuter & Co. (Carpet) ..X  
 Osborne & Co., C. S.  
 (Carpet) .....B  
 Sayre & Co., L. A. (Car-  
 pet) .....B  
 Wiemer & Co. (Carpet) ...C

**STRETCHERS (Con.)**

**N. Y.—Albion**  
Malloy, C. M. (Carpet)...F  
**N. Y.—Buffalo**  
Buffalo Last Wks. (Shoe) B  
Gilroy Stretcher Co. (Carpet; Curtain).....D  
Hard Mfg. Co. (Invalid)...B  
**N. Y.—Canandaigua**  
Standard Wire Fence Co. (Wire).....D  
**New York City**  
Cary Mfg. Co., 19 Roosevelt (Box Strap).....B  
Cumling, Mari A. (Hat)...F  
Friedrichs, E. H. (Artists') A  
Grote & Co., F., E. 14th (Glove).....D  
Peck, Stow & Wilcox Co., 27 Murray (Carpet)....AAAA  
Sargent & Co., 151 Leonard (Carpet).....AAAA  
Silver & Co. (Inc.) (Trousers).....E  
Smith & Hemenway Co., 296 B'way (Fence; Wire) D  
Stokes & Co., Wm. A., 30 Warren (Curtain).....D  
Tower & Lyon (Carpet)...B  
**N. Y.—Painted Post**  
Townsend, F. J. (Wire)...D  
**N. Y.—Rochester**  
Pullman Mfg. Co. (Fence; Wire).....B  
**N. Y.—Troy**  
Trojan Button Fastener Co. (Inc.) (Shoe).....B  
**N. Y.—Watervliet**  
Covert Mfg. Co. (Trousers) A  
**OHIO—Canton**  
Ney Mfg. Co. (Wire; Fence).....AA  
**OHIO—Cincinnati**  
Schriver & Co., O. P., 208 Elm (Wire).....B  
**OHIO—Cleveland**  
Burr Mfg. Co., 131 Viaduct (Fence; Wire) ...X  
**OHIO—Columbus**  
International Fence & Wire Proofing Co., Buttes Av. (Fence; Wire).A  
**OHIO—Leesburg**  
Mason Fence Co., W. H. (Wire).....D  
**OHIO—Sunbury**  
Matthews & Miller (Wire).....F  
**OHIO—Toledo**  
McClusky Wire Fence Co. (Wire).....X  
**OHIO—Warren**  
Denison Mfg. Co. (Carpet) F  
**OHIO—West Farmington**  
Never Slip Wire Stretching & Novelty Co. (Wire) G  
**PA.—Atglen**  
Chalfant Hardware Mfg. Co. (Carpet).....X  
**PA.—North East**  
Eureka Tempered Copper Works (Electric; Barbed Wire).....A  
**PA.—Philadelphia**  
Butterworth & Sons Co., H. W. (Cloth).....A  
**R. I.—Pawtucket**  
Luther & Co., C. A. (Cloth) C  
**R. I.—Providence**  
Textile Finishing Machinery Co., 17 Exch. Pl. (Cloth).....AAA  
**WIS.—Racine**  
Racine Malleable & Wrought Iron Co. (Wire) A  
**WIS.—South Milwaukee**  
Stowell Mfg. & Fdry. Co. (Fence; Wire).....A

**STRINGERS**

**ILL.—Chicago**  
Vaughan & Bushnell Mfg. Co. (Ham).....A

**STRINGERS (Con.)**

**N. J.—Newark**  
Osborne & Co., C. S. (Ham) B  
**N. Y.—Buffalo**  
White Co., L. & I. J. (Ham).....A  
**N. Y.—Kenwood**  
Oneida Community (Ltd.) (Fish).....AAA  
**OHIO—Akron**  
Enterprise Mfg. Co. (Fish).....A  
**STRINGS**  
**ILL.—Chicago**  
Chicago Rawhide Mfg. Co. (Hame).....A  
**MASS.—Boston**  
Lockhart, Wm. J. (Musical) F  
**MASS.—Everett**  
Faxton Co., Geo. H. (Piano).....D  
**MO.—Washington**  
Schwarzer, Franz (Instrument).....E  
**N. H.—Concord**  
Page Belting Co. (Hame)..AA  
**N. J.—Belleville**  
Gibson Musical String Co. (Musical).....X  
**N. J.—New Brunswick**  
National Musical String Co. (Harp; Piano; Violin; Banjo).....A  
**New York City**  
Ditson & Co., Chas. H., 867 B'way (Musical Instrument).....B  
Doll & Sons, Jacob (Piano; Wire Covered).....AA  
Koch, R. C., 306 2nd Av. (Covered Piano).....D  
Mapes, S. S., 511 E. 137th (Covered Piano).....D  
New York Co-operative Piano String Co. (Harp) X  
Ramaciotti, Francis (Est.) (Piano; Covered Wire).D  
Tonk & Bro., Wm., 452 10th Av. (Musical Instrument) C  
**OHIO—Middletown**  
Fouts, C. C. (Sealing Wax) E  
**PA.—Philadelphia**  
Albert, Charles F. (Wire; Covered).....D

**STRIPPERS**

**MASS.—Boston**  
Seelye Mfg. Co. (Power) C  
**MASS.—Worcester**  
Howard Bros. Mfg. Co. (Hand).....A  
**New York City**  
Sheriden Co., T. W. & C. B. (Power).....A  
**OHIO—Alliance**  
Morgan Engineering Co. (Ingot).....AAAA  
**PA.—Philadelphia**  
Chambers Bros. Co. (Power).....AA

**STRIPS**

See also Iron & Steel; Woodwork; Carriage  
**CONN.—Middletown**  
Russell Mfg. Co. (Weather) AAAA  
**CONN.—New Haven**  
Reeves Mfg. Co. (Automatic Weather).....C  
**ILL.—Chicago**  
Bosley Co., D. W., 303 Fulton (Weather Felt; Metallic; Rubber).....B  
Dunfee & Co., J., 104 Franklin (Weather)....X  
Harsha Mfg. Co., 793 Carroll Av. (Weather; Rubber).....B  
Oakley, Charles (Weather) A

**STRIPS (Con.)**

Pflegler Mfg. Co., 958 N.  
Spaulding (Weather; Rubber) .....A

**IOWA—Cedar Falls**

Wagner Mfg. Co. (Metallic Door) .....E

**MASS.—Boston**

Mann, E., 11 Province  
(Weather) .....G

May & Freeman, 178 Devonshire (Invisible Weather) .....E

Osgood & Co., H. H., 4 Charlestown (Weather).....F

Prince, W. O., 26 Edinboro (Weather) .....H

**MASS.—West Hanover**

Church & Co., E. I. (Axle; All Steel Weather) .....H

**MICH.—Detroit**

Chamberlin Metal Weather Strip Co., 37 W. Congress (Metallic Weather) ....O

Teakle & Golden (Metallic Weather) .....B

**MO.—St. Louis**

Roehrig & Jacoby Wall Paper Co. (Weather) ..B

**N. J.—Jersey City**

New Jersey Car Spring & Rubber Co. (Weather)....AA

**N. Y.—Albany**

Valentine & Son, W. T. (Weather; Rubber) ....B

**New York City**

Amer. Weather Strip Co., 70 Warren (Weather)....X

Gage, John S. (Weather; Rubber) .....E

Goodyear Rubber Co. (Weather; Rubber) ....A

Gutta Percha & Rubber Mfg. Co. (Weather; Rubber) .....AAAA

Mechanical Rubber Co. (Weather; Rubber) .....AAAA

Mineralized Rubber Co., 18 Cliff (Weather) .....A

Patent Metallic Weather Strip Co., 133 W. 23rd (Weather; Metallic; Rubber) .....E

Protective Ventilator Co., 129 Fulton (Weather; Rubber) .....B

Roebuck Weather Strip & Wire Screen Co., 172 Fulton (Weather; Metallic; Rubber) .....D

**OHIO—Canton**

Novelty Iron Co. (Weather) .....A

**PA.—Allegheny**

National Metal Weather Strip Co. (Weather) ....F

**PA.—Philadelphia**

Heaton & Wood (Weather) .....G

**STROPPERS**

PA.—Philadelphia

McCullough-Dalzell Crucible Co. (Ladle) .....A

**STROPPING**

N. H.—Concord

Page Belting Co. (Mill) .AA

**STROPS**

ILL.—Chicago

Frost & Co., Peter F. (Razor) .....G

MASS.—Boston

Howard Mfg. Co. (Razor) .....B

MASS.—Plymouth

Badge Strop Co., F. B. (Razor) .....B

MASS.—Worcester

Torrey Razor Co., J. R. (Razor) .....C

N. H.—Pike

Pike Mfg. Co. (Razor)....A

New York City

Silberstein, A. L., 459 B'way (Razor) .....A

Smith & Hemenway Co., 296 B'way (Razor) ....J

**STROPS (Con.)**

PA.—Philadelphia

Shull, W. A. (Razor) ...F

**STRYCHINE****MO.—St. Louis**

Herf & Frericks Chemical Co. ....A

Mallinckrodt Chemical Wks. ....AAAA

**New York City**

Merck & Co. ....AAA

N. Y. Quinine & Chemical Wks. ....A

Pfizer & Co., Chas. ....AAAA

PA.—Philadelphia

Powers - Weightman - Rosengarten Co. ....AAAA

**STUBS****New York City**

Peck, Stow & Wilcox Co., 27 Murray (Store Shutter) ....AAAA

Russell & Edwin Mfg. Co., 45 Chambers (Store Shutters) .....AAAA

Sargent & Co., 151 Leonard (Store Shutter) ....AAAA

PA.—Reading

Reading Hardware Co. (Store Shutter) ....AAAA

Reading Hardware Co. (Store Shutter) ....AAAA

**STUDS**

See Hardware; Carriage; Jewelry

**CONN.—Bridgeport**

Bridgeport Brass Co. (Brass) .....AAAA

**CONN.—Chester**

Brooks & Sons, M. S. (Harness) .....B

**CONN.—Hartford**

Hartford Machine Screw Co. (Bicycle Chain) ..AAAA

CONN.—New Britain

Landers, Frary & Clark (Harness) .....AAA

CONN.—New Haven

North & Co., O. B. (Harness) .....AA

CONN.—Torrington

Progressive Mfg. Co. (Milled Iron; also Steel; Brass, etc.) .....A

CONN.—Waterbury

Blake & Johnson (Milled Iron; Brass) .....A

**ILL.—Chicago**

Standard Screw Co., 2 N. Canal (Milled Iron; Machine) .....AAA

Walker & Ehrman Mfg. Co., 127 Washington (Brass; Iron) .....A

**MAINE—Portland**

Cox & Son, A. F. (Shop) .A

MASS.—Attleboro

Daggett & Clapp Co. (Gold) .....A

Horton, Angell & Co. (Separable) .....A

MASS.—Attleboro Falls

Mason, Ruggles C. ....X

MASS.—Boston

Rinley-Howland Mfg. Co. (Gold) .....A

Tubular Rivet & Stud Co. (Lacing; Shop) ....AAA

MASS.—Charlley

Freeman, Daughaday & Co. (Gold) .....C

MASS.—Greenfield

Automatic Machine Co. (Brass; Iron) .....O

MASS.—Hopedale

Draper Co. (Iron) ....AAAA

MASS.—Lowell

Hope & Co., Wm. H. (Milled Iron) .....X

MASS.—North Attleboro

Bugbee & Niles Co. (Rolled Gold) .....B

Franklin & Co., E. I. (Gold) .....O

MASS.—Reading

Pierce Organ Pipe Co. Samuel (Organ) .....C

**STUDS (Con.)**  
**MASS.—Worcester**  
 Reed & Curtis Machine  
 Screw Co. (Milled Iron) D  
 Wire Goods Co. (Harness) A  
 Worcester Machine Screw  
 Co. (Milled Iron; Engine) AAA  
**MICH.—Detroit**  
 Detroit Screw Works, 343  
 Franklin (Milled Iron) AAA  
**N. J.—Jersey City**  
 Mack Mfg. Co., Thos. A.  
 (Brass; Iron) X  
**N. J.—Newark**  
 Block & Bergfeld (Gold) B  
 Durand & Co. (Inc.) (Gold) AA  
 Hedges & Co., A. J. (Gold) A  
 Jenkinson Co., R. C. (Dog  
 Collar; Bag; Harness) AA  
**N. Y.—Buffalo**  
 Buffalo Specialty Mfg. Co.  
 (Belt) B  
 Niagara Screw Co. (Brass;  
 Milled Iron) X  
**New York City**  
 Alling & Co. (Gold) AA  
 Cottle Co., S. (Gold) E  
 Day, Clark & Co. (Gold) B  
 Fogel & Co., R. R. (Rolled  
 Gold) A  
 Larter & Sons (Gold) A  
 Richards & Co., E. Ira  
 (Gold; Rolled Gold; Sepa-  
 rable) AAA  
 Sloan & Co. (Inc.) (Gold) B  
**OHIO—Cincinnati**  
 Cincinnati Screw & Tap Co.,  
 2442 Beekman (Milled  
 Iron) A  
**PA.—Lebanon**  
 American Iron & Steel Co.  
 (Brass; Milled Iron) AAAA  
**PA.—Pittsburg**  
 Pittsburg Screw & Bolt Co.  
 (Brass; Milled Iron) A  
**R. I.—Pawtucket**  
 Haskell Mfg. Co., Wm. H.  
 (Brass; Milled Iron) AA  
 Pawtucket Mfg. Co.  
 (Milled Iron) A  
**R. I.—Providence**  
 Ballou & Co., B. A. (Gold) AA  
 Barker Mfg. Co. (White  
 Stone) X  
 Devereux & Co., O. C.  
 (Rolled Gold) D  
 Hancock Co., Chas. E.  
 (Gold) B  
 Luther & Son, Wm. H.  
 (Gold) B  
 Moorhead & Co., R. L.  
 (Gold; Rolled Gold;  
 White Stone) B  
 New England Pearl Co. F  
 Potter & Buffington Co.  
 (Gold) A  
 Rhode Island Tool Co. (Ma-  
 chine) AAA  
 Schofield, Battey & Co.  
 (Gold) C  
 Snow & Westcott (Gold) A  
 Tockwotton Co. F  
 Vose Mfg. Co. (Rolled  
 Gold) B  
 Waite-Thresher Co. (Gold) A

## STUFFS: DYE

See Dyestuffs

## STUFFERS

**CONN.—Southington**  
 Peck, Stow, Wilcox Co.  
 (Sausage) AAAA  
**IOWA—Burlington**  
 Murray Iron Wks. Co.  
 (Sausage) A  
**MASS.—Boston**  
 Ames Plow Co. (Sausage)  
 AAAA  
**N. Y.—Buffalo**  
 Smith's Sons Co., Jno. E.

**STUFFERS (Con.)**  
 (Sausage) B  
**New York City**  
 Sargent & Co., 151 Leonard  
 (Sausage) AAAA  
 Stanbach, B. (Sausage) A  
**OHIO—Salem**  
 Silver Mfg. Co. (Sausage)  
 AA  
**PA.—Atglen**  
 Chalmant Hardware Mfg.  
 Co. (Sausage) X  
**PA.—Philadelphia**  
 Enterprise Mfg. Co. of Pa.  
 (Sausage) AAAA  
 Mittinger, August (Sau-  
 sage) A

## SUBSTITUTE

**CAL.—Oakland**  
 Condensed Coffee Co.  
 (Coffee) F  
**CAL.—San Jose**  
 A. & C. Prime Coffee Co.  
 (Coffee) B  
 Figprune Cereal Co. (Cof-  
 fee) B  
**CONN.—Stamford**  
 Stamford Rubber Supply  
 Co. (Rubber) F  
**D. C.—Washington**  
 Standard Material Co.  
 (Hard Rubber) D  
**ILL.—Chicago**  
 Dickinson Co., Albert (Cof-  
 fee; Rye) AA  
**ILL.—Peoria**  
 Central City Cereal Coffee  
 Co. (Coffee) A  
**IND.—South Bend**  
 Schreyer, J. C. (Coffee) D  
**MASS.—Boston**  
 Ayer & Co., M. S. (Coffee;  
 Cereal) AA  
 Bonner Mfg. Co. (Rubber) D  
**MASS.—Orange**  
 Whitman Grocery Co. (Cof-  
 fee) C  
**MICH.—Battle Creek**  
 Postum Cereal Co. (Coffee)  
 AAA  
**MICH.—Benton Harbor**  
 Lindon Cereal Co. (Ltd.)  
 (Coffee) B  
**MICH.—Charlotte**  
 Middletown Cereal Co.  
 (Coffee) F  
**MICH.—Grand Rapids**  
 Grand Rapids Cereal Co.  
 (Coffee) A  
 Royal Blend Beverage Co.  
 (Coffee) AA  
**MICH.—Kalamazoo**  
 Kalamazoo Pure Food Co.  
 (Coffee) C  
 Michigan Pure Food Co.  
 (Coffee) D  
**N. J.—Jersey City**  
 American Ferment Co.  
 (Coffee) D  
**N. J.—Newark**  
 Listers Agricultural Chem-  
 ical Wks. (Asphalt) AAAA  
**N. Y.—Buffalo**  
 Bachert, Philip (Coffee) A  
**N. Y.—Flushing**  
 Francke, Sohne & Co.  
 (Coffee) A  
**N. Y.—Le Roy**  
 Genesee Pure Food Co.  
 (Coffee) A  
**N. Y.—Mount Morris**  
 Bauer Co., J. F. (Coffee) E  
**New York City**  
 Blume, F. E. (Coffee) C  
 Pantasote Leather Co., 11  
 B'way (Leather) AA  
**N. Y.—Niagara Falls**  
 Natural Food Co. (Coffee)  
 AAAA  
**N. Y.—Oxford**  
 New York Food Co.  
 (Coffee) F  
**N. Y.—Warsaw**  
 Roka Food Co. (Coffee) E  
**OHIO—Toledo**  
 Hygienic Cereal Co. (Cof-  
 fee) A

**SUBSTITUTE (Con.)**

**PA.—Bradford**  
**Emery, Jr., & Co., L.**  
 (Linseed Oil) .....AAAA  
**PA.—Philadelphia**  
**Magoffin, Wm. H. (Lin-**  
**seed Oil) .....B**  
**Welkel & Smith Spice Co.**  
 (Coffee) .....A  
**R. I.—Providence**  
**Rumford Chem. Works**  
 (Cream Tartar) .....AAAA  
**WIS.—Manitowoc**  
**Kneipp Malt Food Co.**  
 (Coffee Malt) .....B  
**WIS.—Milwaukee**  
**Delaney Oil & Lubricant**  
 Co. (Linseed Oil) .....X  
**WIS.—Plymouth**  
**Schneider Bros. (Coffee**  
 Malt) .....F

**SUBSTRUCT-  
URES**

**IND.—Kendallville**  
**Flint & Walling Mfg. Co.**  
 (Angle; Steel; Wood) .AA  
**MICH.—Kalamazoo**  
**Phelps & Bigelow Windmill**  
 Co. (Iron) .....B

**SUCCATASH**

See Canned Goods

**SUGAR: BEET;  
CANE, ETC.**See also following Headings  
for other Sugars

**CAL.—Alvarado**  
**Alameda Sugar Co. (Beet)**  
 A  
**CAL.—Chino**  
**Amer. Beet Sugar Co.**  
 AAAAA  
**CAL.—Crockett**  
**Calif. Beet Sugar Ref'g Co.**  
 AAAAA  
**CAL.—Los Alamitos**  
**Los Alamitos Sugar Co.**  
 (Beet) .....AAAA  
**CAL.—Oxnard**  
**Amer. Beet Sugar Co.**  
 AAAAA  
**CAL.—San Francisco**  
**Alameda Sugar Co., 132**  
**Market (Beet) .....A**  
**Alexander & Balwind, 308**  
**Market (Importers) .AA**  
**Amer. Beet Sugar Co., 123**  
**California .....AAAA**  
**Brandenstein & Co., M. J.**  
 AAAAA  
**Hawaiian Com'l & Sugar**  
**Co., 308 Market .AAAA**  
**Hutchinson Sugar Planta-**  
**tion Co., 327 Market**  
 AAAAA  
**Parrott & Co., 306 Califor-**  
**nia (Importers) .....A**  
**Spreckels Sugar Co. ....AAAA**  
**Union Sugar Co., 132 Mar-**  
**ket .....AAA**  
**CAL.—Santa Maria**  
**Union Sugar Co. ....A**  
**CAL.—Spreckels**  
**Spreckels Sugar Co. (Br.**  
**San. Fran.) .....AAAA**  
**COLO.—Eaton**  
**Eaton Sugar Co. ....AAAA**  
**COLO.—Grand Junction**  
**Colo. Sugar Mfg. Co. ....A**  
**COLO.—Greeley**  
**Greeley Sugar Co. ....A**  
**COLO.—Longmont**  
**Longmont Sugar Co. ....A**  
**COLO.—Loveland**  
**Great Western Sugar Co.**  
 AAAAA  
**COLO.—Rocky Ford**  
**Amer. Beet Sugar Co.**  
 AAAAA  
**IDAHO—IDAHO FALLS**  
**Idaho Sugar Co. (Beet)**  
 AAA  
**ILL.—Chicago**  
**Amer. Sugar Ref'g Co., 31**  
**Lake .....AAAA**  
**Corn Products Co. ....AAAA**

**SUGAR: BEET &c. Con.**  
**Glucose Sugar Ref'g Co.**  
**Rookery Bldg. ....AAAA**  
**Illinois Sugar Ref'g Co.,**  
**Rookery Bldg. ....AAAA**  
**Rockwood Bros. & Co., N.**  
**State & Ohio (Powdered)**  
 A  
**ILL.—Pekin**  
**Ill. Sugar Ref'g Co. ....AAAA**  
**ILL.—Bookford**  
**Glucose Sugar Ref'g Co.**  
 AAAAA  
**ILL.—Waukegan**  
**U. S. Sugar Refg. Co.**  
 AAAAA  
**IND.—Terre Haute**  
**Southern Sugar Co. ....AAAA**  
**LA.—Adeline**  
**Adeline Sugar Factory Co.**  
 AA  
**LA.—Baldwin**  
**Berg, Joe .....A**  
**LA.—Baton Rouge**  
**Baton Rouge Sugar Co. ....A**  
**Goyer & Co., R. L. ....AA**  
**LA.—Cinclair**  
**Cinclair Central Factory**  
 AAAAA  
**LA.—Darcyville**  
**Soniat, L. M. ....A**  
**LA.—Donaldsonville**  
**Lemann & Bro., B.**  
 (Planters) .....AAAA  
**LA.—Gheens**  
**Golden Ranch. Sugar &**  
**Cattle Co. ....A**  
**LA.—Grammercy**  
**Grammercy Co. (Ltd.)**  
 (Ref.) .....AA  
**LA.—Houma**  
**Chillonet & Maginnis. ....A**  
**Minor, H. C. ....A**  
**LA.—Jeannette**  
**Phar & Bussy. ....AA**  
**LA.—Jeanerette**  
**Provost, J. A. ....A**  
**LA.—Louisia**  
**Rurgueres, J. M. ....AA**  
**LA.—Monroe**  
**Monroe Sugar & Molasses**  
**Co. ....A**  
**LA.—Montesut**  
**Lower Terrebonne Refg. &**  
**Mfg. Co. ....A**  
**LA.—Napoleonville**  
**Godchaux Co., L. (Ref.)**  
 AAAAA  
**LA.—New Orleans**  
**Abraham & Son, H., 218**  
**Baronne .....AA**  
**Alexander Co., M. H., 319**  
**Decatour .....A**  
**Amer. Sugar Refg. Co., 132**  
**N. Peters .....A**  
**Barkley & Co., J., 219 N.**  
**Peters .....A**  
**Bodenhemler & Bro., 209 N.**  
**Peters .....A**  
**Delgado & Co., 203 N.**  
**Peters .....AA**  
**Ellington Planting Co.,**  
**(Ltd.), 219 N. Peters. ....A**  
**Ermann & Cahn, 233 N.**  
**Peters .....AA**  
**Godchaux Co., Leon (Plant-**  
**ers) .....AAAA**  
**Grammercy Sugar Co., 107**  
**Camp (Ref.) .....AAAA**  
**Henderson, W., 239 N.**  
**Peters (Ref.) .....AA**  
**Hobart & Co., H. L., 307 N.**  
**Front .....A**  
**La Molasses Co., 414 St.**  
**Jos. (Ref.) .....A**  
**Laws & Co., H. L. ....AAAA**  
**Lehman, Stern & Co., Ltd.,**  
**839 Gravier .....A**  
**McDerott, Thos., 225 N.**  
**Peters .....A**  
**Miles Plant'g Mfg. Co., 217**  
**N. Peters .....AA**  
**LA.—Plaquemine**  
**LeBlanc & Danos. ....A**  
**MD.—Baltimore**  
**Taylor & Levering, 109**  
**Commerce .....A**  
**MASS.—Boston**  
**Amer. Sugar Refg. Co., 24**  
**Broad .....AAAA**  
**Revere Sugar Refinery, 23**  
**Broad .....AAAA**  
**WICH.—Alma**  
**Alma Sugar Co. (Beet) ...A**

**SUGAR: BEET &c. Con.**  
**MICH.**—Battle Creek  
 Post Sugar Co. (Ltd.)..AA  
**MICH.**—Bay City  
 Bay City Sugar Co. (Beet) AA  
 Mich. Sugar Co. (Beet)..AA  
**MICH.**—Caro  
 Peninsular Sugar Refg. Co. (Beet) .....A  
**MICH.**—Charlevoix  
 Charlevoix Sugar Co. (Beet) AA  
**MICH.**—Crosswell  
 Sanilac Sugar Refg. Co. (Beet) .....AAA  
**MICH.**—Detroit  
 Peninsular Sugar Refg. Co. A  
 Sanilac Sugar Refg. Co., S. Griswold .....AAA  
**MICH.**—Holland  
 Holland Sugar Co. (Beet) A  
**MICH.**—Owosso  
 Owosso Sugar Co. (Beet) AAAA  
**MICH.**—Rochester  
 Detroit Sugar Co. (Beet).A  
**MICH.**—Saginaw  
 Saginaw Sugar Co.....AA  
 Valley Sugar Co (Beet) AAA  
**MISS.**—Natchez  
 Natchez Molasses & Vinegar Co. ....AA  
**MO.**—St. Louis  
 Lakeside Sugar Refg. Co., 706 Chestnut .....A  
**NEBR.**—Ames  
 Standard Beet Sugar Co. AAA  
**NEBR.**—Grand Island  
 Amer. Beet Sugar Co.....AAAA  
 Oxnard Beet Sugar Co....A  
**NEBR.**—Leavitt  
 Standard Beet Sugar Co....AAA  
**NEBR.**—Norfolk  
 Amer. Beet Sugar Co.....AAAA  
**N. J.**—Jersey City  
 Amer. Sugar Refg. Co.....AAAA  
**N. Y.**—Brooklyn  
 Amer. Sugar Refg. Co., Kent Av. & S. 4th.AAAA  
 Dryden & Palmer, Bedford Av. & N. 12th (Pulvd.; Powd.) .....F  
 Mollenhauer Sugar Refg. Co., Kent Av. & S. 11th AAAA  
**N. Y.**—Lyons  
 Empire State Sugar Co. (Beet) .....A  
 New York City  
 Adams, Jr., H., 18 Wall (Raw) .....A  
 Amer. Beet Sugar Co., 32 Nassau .....AAAA  
 Amer. Sugar Refg. Co., 117 Wall .....AAAA  
 Arbuckle Bros., 71 Water AAAA  
 Brandenstein & Co., M. J., 96 Wall .....AAAA  
 Crooks & Co., R., 136 Front (Imps.) .....AA  
 Czarnikow, McDougal & Co., 112 Wall (Imp. Raw)..A  
 Davis, A., 90 Wall .....A  
 Federal Sugar Refg. Co., 138 Front .....AAAA  
 Hales, John, 138 Front .A  
 Howell Son & Co., B. H., 109 Wall .....AAAA  
 Natl. Sugar Refg. Co., 109 Wall .....AAAA  
**N. Y.**—Yongers  
 Federal Sugar Refg. Co. AAAA  
 Natl. Sugar Refg. Co., AAAA  
**OHIO**—Cincinnati  
 Continental Sugar Co., 25 Frankfort .....AA  
**OHIO**—Tremont  
 Contenetal Sugar Co. ....AAA  
**PA.**—Philadelphia  
 Francisco Sugar Co., 143 S. Front .....AA  
 Franklin Sugar Refg. Co.,

**SUGAR: BEET &c. Con.**  
 Stock Ex. Place ..AAAA  
 Heyl Bros., 147 S. Front AA  
 McCahan Sugar Refg. Co., 147 Front .....AAAA  
 Rogers Holloway & Co., 131 S. 4th .....A  
 Speckles Sugar Refg. Co. AAAA  
**TENN.**—Memphis  
 Goyer & Co., W. 185th Tenn. AA  
**TEXAS**—Lakeside  
 Lakeside Sugar Refg. Co. A  
**UTAH**—Lehi City  
 Utah Sugar Co. (Beet) AAAA  
**UTAH**—Ogden  
 Ogden Sugar Co.....AA  
**UTAH**—Salt Lake City  
 Utah Sugar Co. (Beet) AAA  
 Western Sugar Refg. Co. AAAA  
**WASH.**—Spokane  
 Washington State Sugar Co. A  
**WASH.**—Waverly  
 Washington State Sugar Co. A  
**SUGAR: (MISC.)**  
**ILL.**—Chicago  
 Barrett & Co., M. L. (Burnt) .....A  
 Glucose Sugar Refining Co. (Grape) .....AAAA  
**ILL.**—Marengo  
 Marengo Creamery & Sugar of Milk Co. ....D  
**MO.**—St. Louis  
 Donnell Mfg. Co. (Lemon) .....B  
 New York City  
 Bush & Co., W. J. (Burnt) AA  
 Schwenker, W. M. (Anhydrous) .....B  
 Williamson & Co., D. D. (Burnt) .....B  
**OHIO**—Kinsman  
 Kinsman Refining Co. (Milk) .....E  
**SUGAR & SYR-  
 UP: MAPLE**  
**ILL.**—Chicago  
 Berry Maybrun Co., 59 Larabee .....O  
 Bradshaw, J. H., 190 O. H. Place .....A  
 Manierre-Yoe Syrup Co., 30 River .....B  
**IOWA**—Davenport  
 Davenport Vinegar & Pickle Co. ....D  
**IOWA**—Elgin  
 Maple Grove Sugar & Syrup Co. ....D  
**KY.**—Louisville  
 Goodwin Pres. Co., 407 9th .....A  
 Price & Lucas, Cider & Vinegar Co. ....A  
**MAINE**—Portland  
 Pettengill Co., E. D. ....B  
**MASS.**—Boston  
 Geer & Son., D. H., 448 Southampton .....A  
**BOSTON**—Holliston  
 Maple Syrup Co. ....D  
**MASS.**—Somerville  
 Lamb, W. J. ....O  
**MASS.**—Springfield  
 Vermont Farmers (The) ..D  
**MICH.**—Detroit  
 Charbonneau & Co., E. A., 603 Fort W. ....D  
**MICH.**—Shelby  
 Mikersell & Co., J. ....B  
**MINN.**—St. Paul  
 St. Paul Syrup Refg. Co. AAA  
**MO.**—Kansas City  
 Bliss Syrup Refg. Co. ....B  
**N. J.**—West Hoboken  
 Pallsade Mfg. Co. ....D  
**N. Y.**—Brooklyn  
 Barker & Co., J. H., 89 Bedford Av. ....A  
 Leelle, Dunham & Co., 281 Greene Av. ....D



**SUGAR & SYRUP (Con.)**

Rigney Co., 348 Park Av. D  
 N. Y.—Buffalo  
 Brennisen & Son., F., 156  
 Michigan .....B  
 Gleason & Lansing, 150  
 Michigan .....A  
 N. Y.—Lowville  
 Richardson & Co., R. J. O  
 New York City  
 Ams, Max, 372 Gwich. AA  
 Falcon Packing Co., 158  
 Franklin .....C  
 Hildreth & Segelken, 265  
 Gwich. ....C  
 Isreal & Bro., C., 490 Canal  
 B

N. Y.—Norwich  
 Norwich Pro. Co. ....A  
 OHIO—Bellefontaine  
 Johnson Co., F. N. ....A  
 OHIO—Chagrin Falls  
 Phillips & Co., C. F. ....D  
 OHIO—Cincinnati  
 Spencer & Son., W. M., 324  
 E. 2nd .....D  
 OHIO—Garrettsville  
 Crane & Co., A. E. ....B  
 OHIO—Warren  
 Crane, C. A. ....D  
 OHIO—Liberty  
 Henkle, Alf. H. ....X  
 PA.—Braftord  
 Boyle & Williams .....C  
 E. I.—Providence  
 Huntington Maple Syrup &  
 Sugar Co. ....D  
 VT.—Brattleboro  
 Brattleboro Jelly Co. ....B  
 VT.—Burlington  
 Welch Bros. Maple Co. C  
 VT.—Morrisville  
 Maplewood Sugar & Syrup  
 Co. ....D  
 VT.—St. Johnsbury  
 Cary Co., Geo. C. ....C

**SUITINGS**

See Woolen Goods

**SUITS:****BATHING**

For other Suits, see Cloth-  
 ing: Men's & Women's;  
 also Underwear

MASS.—Millbury  
 Kotedsilk Underwear Co. D  
 N. Y.—Brooklyn  
 Am. Knit Goods Mfg. Co.  
 AAA  
 Sheindelman, Samuel ....C  
 Simon, Julius .....C  
 New York City  
 Crescent Co. ....C  
 Levy-Stiefel Co. ....C  
 N. Y.—Utica  
 Olympian Knit Goods Co.  
 C

Weavers, Van R. ....D  
 PA.—Philadelphia  
 Geneva Knitting Mills....C  
 Noon & Sons, Edw. ....D  
 Osborne, Wm. ....D

**SULKIES**

See Carriages & Wagons

**SULPHUR**

ILL.—Chicago  
 Rhodes & Co., James H.,  
 117 Kinzie .....B  
 MD.—Baltimore  
 Thomsen Chem. Co.  
 (Crude) .....B  
 MASS.—Boston  
 Billings-Clapp Co. ....B  
 Linder & Meyer .....A  
 MO.—St. Louis  
 Herf & Frerick's Chemical  
 Co. ....A  
 Mellinckrodt Chemical  
 Wks. ....AAAA  
 New York City  
 Battelle & Renwick, 168  
 Front (Flour) .....AA  
 Beggs, E. J., 101 Beekman  
 (Nassau Sulphur Wks) D  
 Cooper & Co., Chas. ....AA  
 General Chemical Co., 25

**SULPHUR (Con.)**

Broad .....AAAA  
 White Co., L. & S. C., 28  
 Burling Slip .....B  
 N. Y.—Niagara Falls  
 Archer Process Co.  
 (Chloride) .....D  
 OHIO—Cleveland  
 Graselle Chemical Co.  
 AAAA  
 PA.—Philadelphia  
 Dreding Bros. Co. ....AA

**SUMAC**

KY.—Ashland  
 Great Diamond Sumac Co.  
 X  
 New York City  
 Hoople & Androvette, 218  
 Fulton .....A  
 Leber & Meyer, 5 William B  
 Phelps Bros. & Co., 31  
 Bway. ....AA  
 VA.—Fredericksburg  
 Hurkamp Co., John G. ..B  
 Knox & Bros., Robert T. D  
 VA.—Hallsboro  
 Baker, W. W. ....C  
 VA.—Manchester  
 Shotwell & Co., A. D. ..B  
 VA.—Petersburg  
 Jones, Vaughn & Co. ....B  
 VA.—Richmond  
 Moore, Warner & Co. ...AA  
 VA.—Winchester  
 Smith German .....B  
 W. VA.—Charleston  
 Tanners & Dyers Extract Co.

**SUNBONNETS**

See Millinery

**SUPER-  
HEATERS**

New York City  
 Babcock & Wilcox Co., 85  
 Liberty (Steam) ..AAAA  
 Potter Separator Co., 43  
 Cortlandt (Steam) ....F  
 Power Specialty Co., 126  
 Liberty (Steam) .....B  
 PA.—Pittsburg  
 Westinghouse Machine Co.  
 (Steam) .....AAAA

**SUPPLIES**

PA.—Philadelphia  
 White Dental Mfg. Co., S.  
 S., 12th & Chest. Branch-  
 es at New York, Boston,  
 & Atlanta (Tooth Pastes  
 & Powders for Druggists;  
 Oxygen for Physicians,  
 Chemists, etc. ....AAAA

**SUPPORTERS**

See Bandages; Suspenders

**SUPPORTS**

See Hardware; Carriage, etc.

CONN.—Bridgeport  
 Smith & Egge Mfg. Co.  
 (Sash) .....A  
 CONN.—East River  
 Munger & Son. (Blackboard)  
 B  
 CONN.—Middletown  
 Palmer, J. E. (Hammock)  
 A  
 ILL.—Chicago  
 Barbee Wire & Iron Works  
 (Counter) .....B  
 Tutthill Spring Co.  
 (Tongue) .....B  
 Weber Wagon Co. (Tongue)  
 AA

ILL.—Downer's Grove  
 Dickle Tool Co. (Pole) ..C  
 ILL.—Plano  
 Earl Mfg. Co., T. H.  
 (Clothes Line) .....C  
 IND.—Lafayette  
 Haggard Wagon Spring  
 Co. (Tonne) .....X  
 MASS.—Springfield  
 Barney & Berry (Ankle  
 Skate) .....G

**SUPPORTS (Con.)**

**MICH.**—Detroit  
Bolles Iron & Wire Wks  
(Counter) ..... X  
**MICH.**—Grand Rapids  
Grand Rapids Brass Co.  
(Brass Desk) ..... C  
Hardware Supply Co. (Desk  
Lid) ..... X  
**MO.**—St. Louis  
Kupferle, John C. (Foot  
Rall Forch) ..... AA  
Plenger & Henger Mfg. Co.  
(Porch) ..... A  
**N. Y.**—Brooklyn  
Brooklyn Wire Forming Co.  
(Incand. Mantle) ..... G  
New York Silicate Book  
Slate Co. (Blackboard) F  
Sargent & Co., 151 Leonard  
(Table Leaf) ..... AAAA  
**N. Y.**—Seneca Falls  
Westcott Jewell Co. (Book-  
keeper's Book) ..... D  
**OHIO**—Cincinnati  
Schreiber & Sons Co., L.  
(Cask & Vat.) ..... AA  
**OHIO**—Hamilton  
Meyers Mfg. Co., Fred J.  
(Counter) ..... B  
**OHIO**—Ravenna  
Williams, A. C. (Porch) A  
**OHIO**—Salem  
Clark Co., W. J. (Screen  
Door) ..... C  
**PA.**—Columbia  
Columbia Grey Iron Co.  
(Porch) ..... D  
**PA.**—Philadelphia  
Horn & Bro., W. H.  
(Abdominal) ..... B  
**PA.**—Reading  
Reading Hardware Co.  
(Porch) ..... AAAA  
**PA.**—South Bethlehem  
Bethlehem Fdy. & Mach.  
Co. (Counter) ..... C  
**PA.**—Wrightsville  
Susquehanna Casting Co.  
(Porch) ..... B  
Wrightsville Hardware Co.  
(Porch) ..... B

**SUPPOSITO-  
RIES**

**ILL.**—Chicago....  
Baker & Co., Chas. S. ... C  
**MD.**—Baltimore  
Sharp & Dohme ..... AAA  
**MICH.**—Detroit  
Parke, Davis & Co. ... AAA  
Stearns & Co., Frederick  
..... AAA  
New York City  
Fougera & Co., E., 30 N.  
William ..... A  
Schieffel'n & Co. .... AA  
**PA.**—Philadelphia  
Blair, Henry C. .... B  
Wyeth & Bros., John AAAA

**SURAHs**

See Silk Goods

**SURCINGLES**

See also Harness &amp; Saddlery

**CONN.**—Middletown  
Russell Mfg. Co. .... AAAA  
**N. J.**—Newark  
Peters Harness & Saddlery  
Co. .... C  
**N. Y.**—Buffalo  
Buffalo Weaving & Belting  
Co. .... C  
**N. Y.**—Watervliet  
Covert Mfg. Co. .... A

**SURFACERS**

See also Machy

**CONN.**—Bridgeport  
Springfield Mfg. Co.  
(Emery) ..... B  
**CONN.**—Norwich  
Bogers & Co., C. B. .... AAAA  
**ILL.**—Chicago  
Fischer Machine Works B  
**MASS.**—Boston

**SURFACERS (Con.)**

Woods Machine Co., S. A.  
..... AA  
**N. J.**—Smithville  
Smith Machine Co., H. B.  
..... A  
**N. Y.**—Buffalo  
Holmes Machinery Co., E.  
& B. .... B  
New York City  
American Wood Working  
Machinery Co. .... AAAA  
**OHIO**—Cincinnati  
J. A. Fay & Egan Co. .... AAAA  
**OHIO**—Toledo  
Baker Bros. .... A  
**PA.**—Philadelphia  
Power & Co., L. .... C  
**PA.**—Stroudsburg  
Tanite Co. (Emery) .... C  
**R. I.**—Providence  
Diamond Machine Co.  
(Emery) ..... B  
**VT.**—Montpelier  
Lane Mfg. Co. (Wood) .. A  
**WIS.**—Beloit  
Berlin Machine Works  
..... AAAA

**SURGICAL  
GOODS**

**CAL.**—Los Angeles  
Sweeney Co., W. W., 421  
S. B'way (Elastic Knit)  
..... C  
**MASS.**—Highlandville  
Gorse Co., F. W. (Knit) E  
Gorse & Co., Wm.  
(Knit) ..... X  
**MO.**—St. Louis  
Willbrandt Surg. Mfg. Co.  
..... B  
New York City  
Lawson, A. M., 2611 Bway.  
(Knit) ..... D  
**N. Y.**—Lockport  
Empire Mfg. Co.  
(Elastic) ..... B

**SURREYS**

See Carriages &amp; Wagons

**SUSPENDERS .  
GARTERS, ETC.**

**CAL.**—Los Angeles  
Cohn, Goldwater & Co.  
(Suspenders) ..... B  
**CAL.**—San Francisco  
Carson Glove Co. (Sus-  
penders) ..... C  
Heineman, H. M. (Sus-  
penders) ..... B  
Heyneman & Co. .... A  
Zekind, S. (Suspenders &  
Hose Supporters) ..... E  
**CONN.**—Bridgeport  
Armstrong Mfg. Co. (Hose  
& Sleeve Supporters) .. A  
Canfield Rubber Co. (Stock-  
ing Supporters) ..... AA  
Taylor, Thos P. (Hose Sup-  
porters) ..... A  
Warner Bros. Co. (Hose  
Supporters, Etc.) .. AAAA  
**CONN.**—Middletown  
Russell Mfg. Co. (Sus-  
penders) ..... AAA  
**CONN.**—New Haven  
Hickok Co. (Hose Sup-  
porters, Etc.) ..... B  
**CONN.**—New Britain  
White, C. J. & Co. (Men's  
Garters & Armbands) .. D  
**CONN.**—Waterbury  
Waterbury Buckle Co.  
(Hose Supporters) .... A  
**GA.**—Atlanta  
Robinson Neckwear Co.  
(Suspenders) ..... D  
**ILL.**—Arthur  
Rizney & Haney  
(Suspenders) ..... D  
**ILL.**—Aurora  
American Suspender Co.  
(Suspenders) ..... D  
**ILL.**—Chicago  
Black Cat Garter Co. (Hose  
Supporters) ..... D  
Bunker Saddle & Specialty

**SUSPENDERS, &C.**

Co. (Leather) .....F  
 Common Sense Truss Co.  
 (Abdominal Supporters) D  
 Field & Co., Marshall  
 (Suspenders) .....AAAA  
 Hackner Bros. & Bruski  
 (Suspenders) .....D  
 Haussmann & Dunn  
 (Abdominal Supporters) C  
 Hoyt, G. W. & Co. (Hose  
 Supporters) .....B  
 Illinois Suspender Co.  
 (Suspenders) .....D  
 Riordan, T. G. Mfg. Co.  
 (Suspenders) .....C  
 Stein, A. & Co. (Garters;  
 Stocking Supporters) ..B  
 Wilson Bros (Suspenders)  
 AAAAA  
 Worms & Loeb (Suspenders)  
 D

**ILL.—Mattoon**

Buck, Geo. N. Mfg. Co.  
 (Hose Supporters) .... B  
 Kern, Frank (Hose Sup-  
 porters) ..... C

**ILL.—Urbana**

Urbana Suspender Co.  
 (Suspenders) .....D

**ILL.—Mishawaka**

Mishawaka Pad & Harness  
 Co. (Leather Suspenders)  
 C

**ILL.—Peru**

Peru Bagging Co. (Sus-  
 penders) .....B

**IND.—Indianapolis**

Stevenson, Chas. N. & Co.  
 (Suspenders) .....E  
 Union Mfg. Co. (Suspenders;  
 Hose Supporters; Arm-  
 bands) .....D

**IOWA—Des Moines**

Des Moines Skirt & Skirt  
 Corset Mfg. Co. (Hose  
 Supporters) .....E  
 Northwestern Suspender Co.  
 (Suspenders; Hose &  
 Sleeve Supporters) ....C

**IOWA—Sioux City**

Kalish Bros. (Suspenders) D

**KANS.—Lawrence**

Victor Suspender Mfg. Co.  
 (Suspenders; Armbands;  
 Hose Supporters) .....D

**KY.—Louisville**

Martin, R. M. Co. (formerly  
 Monarch Mfg. Co.) (Sus-  
 penders) .....D

**LA.—New Orleans**

Nick, H. L. & Co.  
 (Suspenders) .....C

**MD.—Baltimore**

Silberman, Abraham (Stand-  
 ard Suspender Co.) (Sus-  
 penders; Garters) .... D

**MASS.—Boston**

Boston Suspender Mfg. Co.  
 (Hose Supporters) ....G  
 Chester Suspender Co.,  
 Roxbury ..... A  
 Clark Mfg. Co. (Women's  
 Hose Supporters; Men's  
 Garters) ..... E  
 Frost, Geo. G. (Hose;  
 Abdominal; Skirt Sleeve;  
 Stocking Supporters) .. A  
 Hewes & Potter (Sus-  
 penders) ..... A  
 Hub Gore Makers (Sleeve  
 Supporters) .....C  
 New England Novelty Mfg.  
 Co. (Skirt) .....A  
 Trafton, H. O. (Hose Sup-  
 porters) ..... E  
 Ziegler, A. & Son. (Chester  
 Suspender Co.,) (Garters)  
 B

**MASS.—Chicopee Falls**

Taylor-Bramley Co., (Ab-  
 dominal Supporters) ....B

**MASS.—Easthampton**

Dible & Warner (Suspend-  
 ers; Stocking Supporters)  
 B

**Nashwannuck Mfg. Co.**

(Suspenders; Garters) AA

**MASS.—Holyoke**

Bullard, W. H. & Co.  
 (Garters; Hose Sup-  
 porters) ..... D

**MASS.—Shirley**

Edgerton, C. A. Mfg. Co.  
 (Suspenders) .....B

**SUSPENDERS, &C.**

**MICH.—Ann Arbor**  
 Crescent Works (Hose Sup-  
 porters) ..... D

**MICH.—Jackson**

Reliance Corset Co. (Hose  
 Supporters) ..... C

**MASS.—Kalamazoo**

Kalamazoo Corset Co. (Hose  
 Supporters) ..... AA  
 Puritan Corset Co. (Hose  
 Supporters) .....B

**MINN.—Albert Lea**

Case Corset Co. (Hose Sup-  
 porters) .....E

**MINN.—Minneapolis**

North Star Suspender Co.  
 (Suspenders) ..... D

**MISS.—Enterprise**

Enterprise Knitting Mills  
 (Suspenders) .....E

**MO.—St. Louis**

Ferguson, McKinney Dry  
 Goods Co. (Suspenders)  
 AAAAA

Hurst, Zucker Neckwear Co.  
 (Suspenders) .....D

Marks, M. (Garters; Arm-  
 bands; Hose Supporters)  
 E

**St. Louis Corset Co.**

(Shoulder Braces) .....B

**St. Louis Suspender Co.**

(Suspenders) .....E

**N. J.—Jersey City**

Consolidated Manhattan Sus-  
 pender Co. (Suspenders) B

**N. J.—Newark**

Delsarte Mfg. & Supply Co.  
 (Shoulder Braces) .... D

**N. Y.—Adams**

Rice, Dr. W. S. (Hose Sup-  
 porters) .....C

**N. Y.—Brooklyn**

Goodman & Mandel (Sus-  
 penders) .....C

**N. Y.—Buffalo**

Adam, J. N. & Co. (Sus-  
 penders) .....AAAA

**N. Y.—Lockport**

Empire Mfg. Co. (Abdominal  
 Supporters) .....A

**N. Y.—McGraw**

McGraw Corset Co., A. P.  
 (Hose Supporters) .... C

**New York City**

Braum, L. & Co. (Lion Sus-  
 pender Co.) (Suspenders)  
 D

Blaver, Isador (Suspenders)  
 E

Blechman & Son (Sus-  
 penders) ..... E

Bloomberg, C. & Co. (Crown  
 Suspender Co.) (Sus-  
 penders) ..... C

Cohen, M. (Monarch Sus-  
 pender Co.) (Suspenders)  
 D

**Eder, Saul & Bros.**

(Garters) ..... E

Elk Mfg. Co. (Garters) ..D

Ferris Bros. Co. (Abdominal;  
 Stocking Supporters) ...A

Fisk, Clark & Flagg (Stock-  
 ing Supporters; Braces) A

Glickman, I. M. (Equitable  
 Suspender Co.) (Suspend-  
 ers) ..... D

Gotham Garter & Novelty  
 Co. (J. N. Cohen & Co.)  
 (Hose Supporters; Gar-  
 ters) .....C

Habeeb, E. & Bros. (Sus-  
 penders) ..... E

Haley, C. J. & Co. (Hose  
 Supporters) .....C

Harris Suspender Co. (Sus-  
 penders; Garters; Braces)  
 A

Hilpoltsteiner, Samuel  
 (Suspenders) .....D

Hirsh & Smith (Royal  
 Suspender Co.) (Sus-  
 penders) ..... C

Keys, Collier & Tillard  
 (Shoulder Diaper Sus-  
 penders) ..... D

Kleinert Rubber Co., I. B.  
 (Hose Supporters) ....A

Knothe Bros. (Suspenders) C

Lublitz, Adolph (Knicker-  
 bocker Suspender Co.)  
 (Suspenders) ..... C

**SUSPENDERS, &C.**

Morris Bros. (Imperial Suspender Co.) (Suspenders) A  
 Nashawannuck Mfg. Co. AA  
 Peller, M. & S. (Yale Suspender Co.) (Suspenders) D  
 Pomeroy & Co. (Abdominal; Spinal Supporters) ... E  
 Rosenbaum, L. & Son (Great Eastern Suspender Co.) (Suspenders; Garters) ... C  
 Royal Suspender Co. (see Hirsh & Smith) ... C  
 Samstag & Hilder Bros. (Hose Supporters) ... A  
 Simon, Barson & Co. (Suspenders) ... C  
 Spalding & Bros., A. G. (Stocking Supporters) AAAAA  
 Stein Bros. (Suspenders) (Elastic Supporters) ... D  
 Warner Bros. Co. (Hose; stocking Supporters) AAAAA  
 Webcraft Suspender Co. (Suspenders) ... B  
 Wechsler Bros. (American Suspender Co.) (Suspenders) ... X  
 Weld, Colburn & Wilckens (Suspender) ... A  
 N. Y.—Niagara Falls  
 Doran Bros. & Martin Co. (Suspenders, Garters, Armbands) ... E  
 N. Y.—Silver Creek  
 Hammond, J. Homberger Co. (Suspenders) ... B  
 N. Y.—Syracuse  
 Exstein, A. G. (Suspenders; Garters; Armbands) ... E  
**OHIO—Cincinnati**  
 American Suspender Co. (Suspenders; Garters; Armbands) ... C  
 Cincinnati Garter Mfg. Co. (Garters) ... E  
 Cincinnati Leather Suspender & Belt Co. (Leather) F  
 Schaffner Mfg. Co. (Suspenders; Garters) ... D  
**OHIO—Mansfield**  
 Dittwiler's, J. Sons (Buckeye Suspender Co.) (Suspenders) ... D  
 Ohio Suspender Co. (Suspenders; Braces; Garters) C  
**OHIO—Springfield**  
 Parmenter, J. W. (Suspenders; Garters; Armbands) ... E  
**OHIO—Toledo**  
 Werum Bros. (Abdominal; Hose; Spinal) ... H  
**PA.—Danville**  
 Danville Suspender Mfg. Co. (Suspenders) ... E  
**PA.—Ludlow**  
 Curtis Leather Co. (Leather) AA  
**PA.—Philadelphia**  
 Bernstein, M. & C. (Perseverance Suspender Co.) (Suspenders; Garters; Armbands) ... D  
 Flavell & Bro., G. W. (Abdominal Supporters) A  
 Freeman, Morris (Suspenders) ... D  
 Hastings & McIntosh Truss Co. (Abdominal Supporters) ... D  
 Horn & Co., Wm. H. (Abdominal Supporters) ... B  
 Hendrick, James R. (Abdominal) ... E  
 Lockhart, McBean Co. (Suspenders; Garters) D  
 Oppenheimer's, Lewis Sons (Suspenders; Garters; Armbands) ... C  
 Perry, Fergus (Abdominal Supporters) ... D  
 Phila. Truss & Bandage Co. (Abdominal Supporters) X  
 Pioneer Suspender Co. (Suspenders; Men's Garters) B  
 Seeley, Isaac B. (Abdominal Supporters) ... F

**SUSPENDERS, &C.**

**PA.—Pittsburg**  
 Alpine Mfg. Co. (Hose ... Supporters) ... B  
**R. I.—Providence**  
 Amer. Ship Windlass Co. (Rudder) ... AA  
 Ballon & Co. (Skirt) ... AA  
**TENN.—Knoxville**  
 Ashmore & Hinton (Suspenders) ... E  
**TENN.—Nashville**  
 Carlsbad Suspender Co. (Suspenders; Garters) ... D  
**TEXAS—Dallas**  
 Padgett Bros. Co. (Suspenders) ... A  
**UTAH—Salt Lake City**  
 Bozrud, A. N. & Co. (Suspenders only) ... C  
**VT.—Derby**  
 Gilmore & Ball (Globe Suspender Co.) (Suspenders; Shoulder Braces; Garters; Armbands) ... E  
**WIS.—Milwaukee**  
 Unit Webb Suspender Co. (Suspenders) ... D  
**WIS.—Racine**  
 Racine Traveling Bag Co. (Suspenders) ... E

**SUSPENSORIES**

See Bandages

**SWABS**

**OHIO—Cincinnati**  
 Obermayer Co., S. ... AA  
**PA.—Philadelphia**  
 Paxson & Co., J. W. ... AA

**SWAGES**

**GA.—Georgia**  
 Southern Saw Works (Saw) B  
**IND.—Evansville**  
 Evansville Tool Wks. (Top; Bottom, Etc.) ... A  
**IND.—Indianapolis**  
 Atkins & Co., E. O. (Saw) AAAA  
**MASS.—Chelsea**  
 American Circular Loom Co. (Saw) ... A  
**MASS.—Fitchburg**  
 Simonds Mfg. Co. (Saw) AAA  
**MASS.—Plymouth**  
 Muxter & Co., J. W. (Saw) X  
**MICH.—Bay City**  
 Garland Co., M. (Saw) C  
**MICH.—Big Rapids**  
 Hanchett's Swage Works (Circular Saw) ... C  
**MICH.—Grand Rapids**  
 Baldwin, Tuthill & Bolton (Saw) ... B  
**N. J.—Newark**  
 National Saw Co. (Saw) B  
**N. Y.—Buffalo**  
 Crowell, D. J., 200 Terrace (Saw) ... F  
 Rogers & Co., Saml. O., 10 Lock (Saw) ... C  
**N. Y.—Brooklyn**  
 Oldham & Sons, Joshua, 26th and 3rd Av. (Saw) D  
**N. Y.—Malone**  
 Hinds, Thos. (Saw) ... D  
**New York City**  
 Hoe & Co., R., 504 Grand (Saw) ... AAAA  
**OHIO—Canton**  
 Canton Saw Co. (Saw) ... C  
**OHIO—Cincinnati**  
 Rowe & Trunnel, 123 W. 2d (Saw) ... E  
**OHIO—Toledo**  
 Toledo Saw Co. (Saw) ... C  
**PA.—Allegheny**  
 Ajax Mfg. Co. (Saw) ... D  
**PA.—Beaver Falls**  
 Champion Saw & Gas Engine Co. (Saw) ... X  
 Emerson, Smith & Co. (Solid Steel Saw) ... A  
**PA.—Philadelphia**  
 Disston & Sons, Henry (Saw) ... AAAA  
 Pittsburg Tool & Drop

**SWAGES (Con.)**  
 Forge Co., Arrott Bldg.  
 (Tie Plate) ..... D  
**WIS.—Eau Claire**  
 Phoenix Mfg. Co. (Saw) A  
**WIS.—South Milwaukee**  
 Filer & Stowell Co. (Saw) A

## SWEATERS

**CONN.—Hartford**  
 Plaisted & Co., C. C. ... F  
**ILL.—Chicago**  
 Dornbaum, Albert ..... F  
 Empire Knitting Mills, 147  
 W. Van Buren ..... F  
 Fettig, Theodore, 1865  
 Ogden Av. .... E  
 Lorenz, Rich, 241 Clybourne  
 Av. .... D  
 Royal Knitting Mills .... E  
**MASS.—Boston**  
 Kingston Knitting Co. .... C  
 Sterling Knit Goods Co. ... E  
**MASS.—Chicopee Falls**  
 Taylor-Bramley Co. .... B  
**MASS.—Highlandville**  
 Wye & Co., Geo. E. .... E  
 Wye, Wm. H. .... E  
**MASS.—Millbury**  
 Kotedsilk Underwear Co. D  
**MASS.—Needham**  
 Brooks Co., Jno. F. .... C  
**MICH.—Detroit**  
 Angora Knitting Co. .... E  
 Ryan Bros. Knitting Co. C  
**MICH.—Lansing**  
 Michigan Knitting Co. ... D  
**MINN.—Duluth**  
 Neilson Bros. .... C  
**MINN.—Northfield**  
 Northfield Knitting Co. .. F  
**N. H.—Canterbury**  
 Shaker Knitting Co. .... C  
**N. J.—Woodbine**  
 Quaker City Knitting Mills  
 (Boys'; Infants') ..... A  
**N. Y.—Amsterdam**  
 Waldron & Cassidy ..... D  
**N. Y.—Augusta**  
 Cunningham & Son, Jas. ... D  
**N. Y.—Brooklyn**  
 Amer. Knit Goods Mfg. Co.  
 AAA  
 Barnard & Co., Geo. .... B  
 Central Knitting Co. .... C  
 Plate & Clark ..... D  
 Sheindelman, Samuel .... C  
 Siegel, N. .... E  
 Standard Knitting Mills .. D  
**N. Y.—Cohoes**  
 Barnet & Aufesser Knit  
 Co. .... B  
**N. Y.—Herkimer**  
 Brooks Mfg. Co., W. W. D  
**N. Y.—Ilion**  
 Sterling Mills ..... C  
**N. Y.—Little Falls**  
 Rockton Knitting Mills  
 (Cotton; Wool) ..... A  
 Swanson Knitting Co. .... D  
**New York City**  
 Crescent Co. .... C  
 Levy-Stiefel Co. .... C  
 Lippman, Israel ..... D  
 Reichman, Wm., 98 Fkln. B  
 Robertson & Bruhn (Mfrs.  
 Agts) ..... B  
 Rosenfeld & Co., 87 Warren  
 D  
 Stokes Cromie & Co. (Com.)  
 B  
 Wertheimer & Hollander,  
 159 Greene ..... B  
**N. Y.—Oriskany Falls**  
 Hatheway & Reynolds .. A  
**N. Y.—Philmont**  
 Aken Knitting Co. .... AA  
**N. Y.—Prospect**  
 Hoag, C. F. .... B  
**N. Y.—Utica**  
 Albin Knit Goods Co. .... D  
 Athletic Knitting Co. .... B  
 Mohawk Valley Cap Factory  
 B  
 Olympian Knit Goods Co. C  
 Weaver, Van R. .... D  
**PA.—Hawley**  
 U. S. Knitting Mills Co. D  
**PA.—Honesdale**  
 Amer. Knitting Co. .... D  
 Maple City Knitting Mills D

**SWEATERS (Con.)**  
**PA.—Philadelphia**  
 Feld & Co. .... C  
 Geneva Knitting Mills .... C  
 Greaves, Thomas ..... B  
 Gutsche, R. .... C  
 Koch, Justus ..... B  
 Leicester & Continental  
 Mills Co. .... AA  
 Osborne, Wm. .... D  
 Pebedy & Sons, Geo. .... B

## SWEATS

**CONN.—Bethel**  
 Shepard & Son Co., Geo. A.  
 (Hat) ..... F  
**N. J.—Newark**  
 Riordan Leather Co. (Hat)  
 X  
**New York City**  
 Bracher Mfg. Co.; Geo. L.,  
 22 W. 3d (Hat) ..... B  
 Mast Co., J. B. (Hat) .... X  
 Wintjen, John G. (Hat) .. E

## SWEEPERS

**CONN.—Deep River**  
 Rogers Brush Works  
 (Carpet) ..... F  
**ILL.—Aurora**  
 Wilcox Mfg. Co. (Carpet) B  
**ILL.—Chicago**  
 Austin Mfg. Co. (Street)  
 AAA  
**IND.—Marion**  
 National Sweeper Co.  
 (Carpet) ..... AAAA  
**IND.—Richmond**  
 F. N. Lawn Mower Co.  
 (Lawn) ..... A  
**IND.—South Bend**  
 Knoblock-Heideman Mfg.  
 Co. (Street) ..... D  
 Studebaker Bros. Mfg. Co.  
 (Street) ..... AAAA  
**MASS.—Boston**  
 Edson Mfg. Co., 132 Com-  
 mercial (Street) ..... C  
**MASS.—Taunton**  
 Taunton Locomotive Mfg.  
 Co. (Street; Railroad) . C  
**MICH.—Grand Rapids**  
 Bissell Carpet Sweeper Co.  
 (Carpet; Toy Carpet) AA  
 Goshen Sweeper Co. (Car-  
 pet) ..... D  
 Sweeperette Co. (Carpet)  
 AAA  
**N. Y.—Brooklyn**  
 American Car Seat Co., 18  
 Guernsey (Rattan) .... D  
**OHIO—Milford**  
 Milford Mfg. Co. (Carpet) X  
**OHIO—Springfield**  
 Green Mfg. Co. (Hand  
 Lawn; Hand Street) .. F  
**PA.—Philadelphia**  
 Philadelphia Lawn Mower  
 Co. (Lawn) ..... B  
**R. I.—Pawtucket**  
 Thayer's Sons, Ellis (Car-  
 pet) ..... X

## SWEEPS

**ILL.—Bradley**  
 Bradley Mfg. Co., David  
 (Cotton) ..... A  
**KY.—Louisville**  
 Avery & Sons, B. F.  
 (Cotton) ..... A  
**VA.—Norfolk**  
 Whitehurst & Co., R. W.  
 (Cotton) ..... B

## SWEETENERS

Saccharine, etc.

**MO.—St. Louis**  
 Monsanto Chemical Wks.,  
 1818 S. 2d ..... D  
**New York City**  
 Heyden Chem. Wks., 40  
 Pine (Artificial) ..... A  
 Klipstein & Co., A., 123  
 Pearl (Saccharin) .... AA  
 Kuttroff, Pichardt & Co.  
 (Artificial) ..... A  
 Lieber & Co., H. .... C  
 Merck & Co. .... AAAA

**SWEETENERS (Con.)**  
**OHIO—Cincinnati**  
 Berghausen Chemical Co.,  
 The E. (Artificial) ...B

## SWINGS

**ILL.—Batavia**  
 Batavia Wind Mill Co.  
 (Steel Lawn) .....B  
**Challenge Wind Mill & Feed**  
**Mill Co. (Lawn) ....AAA**  
**Snow Mfg. Co. (Street**  
**Lawn) .....E**  
**ILL.—Chicago**  
 Bristol & Gale Co., 110 W.  
 Washn. (Lawn) .....D  
**ILL.—De Kalb**  
 Haish Wire & Implement  
 Co. (Lawn) .....B  
**ILL.—Galva**  
 Hayes Pump & Planter Co.  
 (Lawn) .....A  
**ILL.—Moline**  
 Sechler Carriage Co., D. M.  
 (Lawn) .....AA  
**ILL.—Piano**  
 Earl Mfg. Co., F. H.  
 (Lawn) .....C  
**Sears Co., Albert H.**  
 (Lawn) .....A  
**IND.—Bluffton**  
 Bluffton Folding Chair Co.  
 (Lawn) .....C  
**IND.—Butler**  
 Butler Co. (Lawn) .....B  
**IND.—Goshen**  
 Goshen Mfg. Co. (Lawn) B  
**IND.—Laporte**  
 Michael Mfg. Co., Chas. H.  
 (Lawn) .....C  
**IND.—Muncie**  
 Glascock Bros. Mfg. Co.  
 (Lawn) .....D  
**IND.—Richmond**  
 Fry Bros. (Lawn) .....F  
 Wayne Wks. (Lawn) ....A  
**IND.—Vernon**  
 Reed & Rogers Mfg. Co.  
 (Lawn) .....E  
**IOWA—Cedar Rapids**  
 Adams, A. L. (Lawn) ....E  
**IOWA—Des Moines**  
 Purlington Mfg. Co. (Lawn)  
 G  
**IOWA—Iowa City**  
 Kelly Western Mfg. Co., O.  
 S. (Lawn) .....B  
**IOWA—Prairie City**  
 Dowden Mfg. Co. (Lawn) B  
**MAINE—Brunswick**  
 Fairfield Lawn Swing Co.  
 (Automatic; Lawn) ....E  
**IOWA—South Paris**  
 Paris Mfg. Co. (Lawn) ..A  
**MASS.—Orange**  
 Leavitt Machine Co. (Bar-  
 rel) .....F  
**MICH.—Jackson**  
 Aspinwall Mfg. Co.  
 (Lawn) .....B  
**MICH.—Rochester**  
 Miller Bros. (Lawn) ....X  
**MINN.—Sauk Center**  
 Keller Mfg. Co. (Lawn) .D  
**MO.—Carrollton**  
 Farm Tool Mfg. Co.  
 (Lawn) .....B  
**MO.—Huntsville**  
 Fleming & Sons Mfg. Co.  
 (Lawn) .....B  
**N. J.—Trenton**  
 Rogers, C. C. (Automatic) G  
**New York City**  
 Sargent & Co., 151 Leonard  
 (Barrel) .....AAAA  
**N. Y.—Tonawanda**  
 Gillie Engine & Machine Co.  
 (Steam) .....C  
**OHIO—Ashland**  
 Myers & Bro., F. E. (Lawn)  
 AAAA  
**OHIO—Dayton**  
 Ohio Rake Co. (Lawn) AA  
**OHIO—Norwalk**  
 Gregory, Giles R. (Lawn) F  
 Greene Mfg. Co. (Lawn) F  
**OHIO—Tippicanoe City**  
 Tippicanoe Building & Mfg.  
 Co. (Lawn) .....B  
**PA.—Bausman**  
 Bausman, D. H. (Steel;  
 Lawn) .....C

**SWINGS (Con.)**  
**PA.—Elizabethtown**  
 Buchs Sons Co., A. (Lawn)  
 A  
**PA.—Titusville**  
 Specialty Mfg. Co.  
 (Lawn) .....B  
**PA.—York**  
 Keystone Farm Machinery  
 Co. (Lawn) .....B  
**VT.—Readsboro**  
 Readsboro Chair Mfg. Co.  
 (Lawn) .....B  
**WIS.—Sheboygan**  
 Garton Toy Mfg. Co.  
 (Parlor) .....A

## SWITCH-BOARDS

**ILL.—Chicago**  
 Amer. Electric Telephone  
 Co. ....B  
 Western Electric Co. (Tele-  
 graph; Telephone) AAAA  
 Western Electric Mfg. Co.  
 (Telephone) .....B  
**IND.—Fort Wayne**  
 Fort Wayne Electric Works  
 AAA  
**IND.—Indianapolis**  
 Jenney Elect. Mfg. Co. C  
**IND.—Kokomo**  
 Kokomo Telephone & Elect.  
 Mfg. Co. ....F  
**MD.—Baltimore**  
 Maryland Telephone & Tele-  
 graph Co. ....B  
 Viaduct Mfg. Co. ....X  
**MASS.—Peabody**  
 Hellos-Upton Co. ....D  
**MO.—St. Louis**  
 Emerson Elect. Mfg. Co. C  
**N. Y.—Newburgh**  
 Hewitt & Warden .....D  
**New York City**  
 Bunnell & Co., J. H., 26  
 Park Pl. (Telegraph) B  
 Electric Co., C. & C. ...AA  
 Zucker & Levett & Loeb Co.,  
 528 W. 25th .....A  
**N. Y.—Schenectady**  
 General Electric Co. AAAA  
**N. Y.—Troy**  
 Bernard Co., E. G. ....D  
**OHIO—Cincinnati**  
 Bullock Elec. Mfg. Co. AA  
**OHIO—Mansfield**  
 Mansfield Tempered Copper  
 Co. ....B  
**PA.—Philadelphia**  
 Keystone Electrical Instru-  
 ment Co. (Telephone) ..B  
 Partrick, Carter & Wilkins  
 (Telegraph) .....B  
 Pringle, William T. ....D  
 Quaker City Electric Co.  
 (Power) .....D  
 United Elect. Importing Co.  
 A  
**PA.—Pittsburg**  
 McKenna Bros. Brass Co.  
 A  
 Westinghouse Electric &  
 Mfg. Co. ....AAAA  
**VA.—Richmond**  
 Richmond Electric Co. ...AA

## SWITCHES

See also Frogs

**COLO.—Denver**  
 Davis Iron Works Co., F.  
 M. (Mine) .....AA  
**Flint-Lomax Electric Mfg.**  
**Co., 1937 Curtis (Flush;**  
**Snap; Push) .....B**  
**Mine & Smelter Supply Co.**  
**(Mine) .....AAAA**  
**Sechrist Mfg. Co., Albert,**  
**1033 16th (Automatic) B**  
**CONN.—Bridgeport**  
 Bryant Electric Co. (Snap;  
 Knife) .....A  
**Perkins Electric Switch**  
**Mfg. Co. (Snap; Ordinary;**  
**Knife) .....A**  
**CONN.—Hartford**  
 Hart Mfg. Co. (Push; Snap;  
 Ordinary) .....A  
 Hart & Hegeman Mfg. Co.

**SWITCHES (Con.)**

(Push; Snap; Ordinary) B  
**CONN.—Plainville**  
 Trumbull Electric Co.  
 (Knife; Baby Knife) ..C  
**GA.—Atlanta**  
 May & Spalding (Railroad)  
 D  
 Wotten Electric & Mfg. Co.  
 (Knife) .....B  
**ILL.—Chicago**  
 Austin & Co., M. B., 56 W.  
 Van Buren (Flush; Snap;  
 Push) .....X  
 Borden & Selleck Co., 48  
 Lake (Industrial Rail-  
 way) .....B  
 Clark & Burris Mfg. Co., 63  
 S. Canal (Knife) .....F  
 Klute-Berthold Elect. Co.,  
 126 35th (Knife) .....X  
 Lang Electric Co., 44 Mich-  
 igan (Knife) .....D  
 Morden Frog & Crossing  
 Works (Split) .....C  
 Sterion, Brass, Copper &  
 Bronze Co. 67 N. Ashland  
 (Knife) .....B  
 Western Electric Co., 250 S.  
 Clinton (Knife) .....AAAA  
**ILL.—East St. Louis**  
 Elliott Frog & Switch Co.  
 (Split) .....AA  
**IND.—Fort Wayne**  
 Fort Wayne Electric Wks.  
 (High Voltage; Knife)  
 AAA  
**IND.—Peru**  
 Peru Electric Mfg. Co.  
 (Knife) .....C  
**MASS.—Boston**  
 Anderson Mfg. Co., 289 A.  
 (Knife) .....C  
 Boston Electric Co., 29 Har-  
 rison Av. (Knife) .....B  
 Condit Jr. & Co., S. B., 63  
 Oliver (Pneumatic Oil  
 Break) .....B  
 Lundin Electric & Machine  
 Co., 176 Federal (Knife) E  
 Marshall Electric Mfg. Co.,  
 301 Congress (Snap; Push;  
 Knife, etc.) .....B  
**MASS.—Cambridge**  
 Barbour-Stockwell Co.  
 (Railroad) .....A  
**MASS.—New Bedford**  
 Hill Electric Co., W. S.  
 (Knife) .....X  
**MASS.—Springfield**  
 Davis Electric Mfg. Co.  
 (Knife) .....D  
 Springfield Elect. Mfg. Co.  
 (Knife) .....E  
**MASS.—Worcester**  
 Linton & Southwick (Knife)  
 X  
 Worcester Electric Mfg. Co.  
 (Knife; Oil Break) ...H  
**MICH.—Birmingham**  
 Wilson-Railway Gate Co.  
 (Derailing) .....F  
**MICH.—Detroit**  
 Proctor-Raymond Mfg. Co.  
 (Knife) .....B  
 Russell Wheel & Foundry  
 Co. (Indus) .....X  
**MICH.—Three Rivers**  
 Sheffield Car Co. (Automat-  
 ic Railroad; Cut Out) ..B  
**MINN.—Minneapolis**  
 Peteler Portable Railway  
 Mfg. Co. (Contractors'  
 Portable) .....C  
**MO.—St. Louis**  
 Adam Electric Co., Frank,  
 914 Pine (Knife) .....C  
 Wagner Elect. Mfg. Co.,  
 2017 Locust (Knife) AA  
**N. J.—Hoboken**  
 New York Switch & Cross-  
 ing Co. (Automatic Rail-  
 road; Derailing) .....A  
**N. Y.—Brooklyn**  
 Columbia Mch. Wks., 167  
 Chestnut (Canopy; Power  
 House) .....A  
 Krantz Mfg. Co., H., 160  
 7th (Knife) .....B  
 White Mfg. Co., J. H., 127  
 N. 10th (Knife) .....D  
**N. Y.—Buffalo**  
 McCarthy Bros. & Ford, 45

**SWITCHES (Con.)**

N. Division (Knife) ....C  
**N. Y.—Hillburn**  
 Ramapo Iron Works (Automat-  
 ic Railroad; Split;  
 Cut Out; Interlocking;  
 Mine Track; Contractors'  
 Portable) .....A  
**N. Y.—Long Island City**  
 Steubner, G. L. (Industrial  
 Railway; Mine) .....B  
**N. Y.—Newburgh**  
 Hyer-Sheehan Elect. Motor  
 Co. (Knife) .....C  
 Apex Equipment Co., 11  
 Bway. (Industrial Rail-  
 way) .....D  
**New York City**  
 Automatic Switch Co., 143  
 Liberty (Automatic) ..D  
 Bunnell & Co., J. H., 20  
 Park Pl. (Electric) ..B  
 Edwards & Co., 417 E. 144th  
 (Snap & Push; Snap. Ord-  
 inary) .....D  
 Fox Bros. & Co., 24 Vesey  
 (Industrial Railway) ..A  
 General Incandescent Arc  
 Light Co., 572 1st Av.  
 (Flush; Snap & Push;  
 High Voltage; Knife; Oil  
 Break) .....A  
 Hunt Co., C. W., 45 Bway.  
 (Industrial Railway;  
 Mine) .....AA  
 Koppel, Arthur, 69 Broad  
 (Industrial Railway; Nar-  
 row Gauge; Mine) .....A  
 La Roche Co., F. A., 656  
 Hudson (Knife) .....A  
 Leavitt & Co., C. W., 15  
 Cortlandt (Industrial  
 Railway) .....D  
 Manhattan Electrical Supply  
 Co., 32 Cortlandt (Knife)  
 AA  
**N. Y.—Rochester**  
 Bradley & Co., E. C. (Tele-  
 phone) .....H  
 General Electric Co. (Flush;  
 Snap & Push; High Volt-  
 age; Knife; Snap Ord-  
 inary; Trolley) .....AAAA  
**N. Y.—Syracuse**  
 Crouse-Hinds Electric Co.  
 (High Voltage; Knife) A  
 Pass & Seymour (Snap &  
 Push; Snap. Ordinary) A  
**N. Y.—Troy**  
 Bernard Co., E. G. (Elec-  
 tric) .....D  
**N. Y.—Utica**  
 Bossert Elect. Construction  
 Co. (Knife) .....B  
 Johnson & Morton, 44  
 Whitesboro (Flush; Snap  
 & Push; Knife) .....C  
**N. C.—Statesville**  
 Steele & Son, J. C. (Indus-  
 trial Railway) .....B  
**OHIO—Akron**  
 Akron Electric Mfg. Co.  
 (Snap. Ordinary) .....D  
**OHIO—Cincinnati**  
 Creaghead Engineering Co.,  
 313 Walnut (Trolley) ..D  
 Weir Frog Co. (Split) ...A  
**OHIO—Cleveland**  
 Atlas Bolt & Screw Co. (In-  
 dustrial Railway) ....AA  
 Cleveland Frog & Crossing  
 Co., 116 Bessemer Av.  
 (Split) .....B  
 Cleveland Switchboard &  
 Elect. Mfg. Co., 54 Mich-  
 igan (Knife) .....E  
 Electric Controller & Supply  
 Co. (Knife) .....A  
 Erner Electric Co., 62  
 Public Sq. (Knife) ....D  
 Fulton Foundry Co. (Throw  
 Over) .....C  
 Leonard & Rundy Electrical  
 Co., 156 Champlain  
 (Knife) .....G  
**OHIO—Cleveland**  
 Barkelen Elect. Mfg. Co.  
 (Knife) .....F  
**OHIO—Salem**  
 Davis & Son, M. (Knife) A  
**OHIO—Youngstown**  
 Banner Electric Co. (Knife)  
 B

**SWITCHES (Con.)**

**PA.—Allentown**  
Allentown Rolling Mills  
(Derailing; Interlocking;  
Signalling) .....AAA

**PA.—Chester**  
Johnston R. R. Frog &  
Switch Co. (Derailing) B

**PA.—Erie**  
Keystone Electric Co. (Re-  
versing Elevator) .....B

**PA.—North East**  
Bureka Tempered Copper Co.  
(High Voltage; Knife) A

**PA.—Philadelphia**  
Heinemann & Co., Geo. M.,  
737 Girard Av. (Knife) F  
Hellos Mfg. Co., 1231 Cal-  
lowhill (Knife) .....D

Levis & Co., Hy., 26 S. 15th  
(Railroad) .....B

Novelty Electric Co., 54 N.  
4th (Knife) .....AA

Palste Co., H. T., 310 Lud-  
low (Snap, Knife; Snap,  
Ordinary) .....B

Parke & Co., John Y., 728  
Cherry (Knife) .....D

Partrick, Carter & Wilkins  
(Electric) .....B

Penna Steel Co., Girard  
Bldg. (Automatic Rail-  
road; Mine Track; Con-  
tractors', Portable, Sig-  
nalling; Split) .....AAAA

Pringle, Wm. T. (Electric;  
Knife) .....D

Weston & Co., W. H., 1303  
Buttonwood (Knife) ...X

Wharton Jr. & Co., Wm.  
(Automatic Railroad; In-  
dustrial Railway) ....AAA

White Co., H. P. (Knife) F

**PA.—Pittsburg**  
Carlin's Sons, Thos. (Rail-  
road) .....A

Crescent Elect. & Mfg. Co.  
(Knife) .....E

McKenna Bros. Brass Co.  
(Knife) .....A

Pittsburg Trolley Pole Co.,  
115 Water (Knife) ....X

Schoenman Electric & Mfg.  
Co. (Knife) .....D

Westinghouse Elect. & Mfg.  
Co. (Canopy; High Volt-  
age; Knife) .....AAAA

**PA.—Reading**  
Reading Crane & Hoist  
Wks. (Overhead Track) A

**PA.—Swissvale**  
Union Switch & Signal Co.  
(Interlocking; Signalling)  
.....AAAA

**PA.—Wilkesbarre**  
Vulcan Iron Works (Cut  
Out; Mine Track) AAAA

**PA.—York**  
York Electric & Machine  
Co. (Knife) .....F

**R. I.—Providence**  
Safety Electric Switch Co.  
(Instantaneous Make &  
Break Safety Knife) ...X

**VA.—Richmond**  
Electric Construction Co. of  
Va. (Knife) .....D

Richmond Electric Co.  
(Electric) .....AA

Tower-Bimford Elect. &  
Mfg. Co. (Knife) .....C

**W. VA.—Wheeling**  
Mutual Electric & Machine  
Co. (Knife) .....C

**SWIVELS**

**CONN.—Bridgeport**  
Bridgeport Chain Co.  
(Chain) .....A

Smith & Egge Mfg. Co.  
(Brass) .....C

**CONN.—Chester**  
Brooks & Sons, M. S. (Solid  
Flat; Nickel; Brass or  
Steel) .....D

**CONN.—New Britain**  
North & Judd Mfg. Co.  
(Harness; Lariat) ....AA

**CONN.—New Haven**  
North & Co., O. B. ....B

**ILL.—Chicago**  
Nicol & Co. (Iron) .....D

**SWIVELS (Con.)**

**MD.—Baltimore**  
National Supply Co., 7 W.  
Lombard .....D

**MASS.—Attleboro Falls**  
Fisher & Co., W. N. ....B

**MASS.—Worcester**  
Wire Goods Co. (Chain) ...A

**MICH.—Detroit**  
Michigan Bolt & Nut Wks.,  
ft. Meldrum Av. ....AA

**MICH.—Lansing**  
Lansing Wheelbarrow Co.  
(Iron) .....A

**MO.—St. Louis**  
Leschen & Sons Co., A.  
(Rope) .....AA

**N. J.—Newark**  
Taylor, Thos. H. (Jewelry)  
.....F

**N. Y.—Buffalo**  
Pratt & Letchworth Co.  
(Lariat; Chain; Rope) ...AAA

**N. Y.—Kenwood**  
Oneida Community (Ltd.)  
(Chain) .....AAA

**New York City**  
Tiebout, W. & J., 118  
Chambers (Rope) ....B

**OHIO—Dayton**  
Dayton Malleable Iron Co. A

**PA.—Chester**  
Keystone Drop Forge Works  
(Open Arm; Iron; Chain) B

**PA.—Lebanon**  
Amer. Iron & Steel Mfg. Co.  
.....AAAA

**PA.—Philadelphia**  
Bradlee & Co. (Chain) ...B

Hoopes & Townsend Co.,  
Buttonwood (Closed or  
Pipe Open or Arm) AAA

**R. I.—Pawtucket**  
Fuller & Son, Geo. H. ...A

**R. I.—Providence**  
Hamilton & Hamilton Jr. A

Rhode Island Tool Co. AAA

Walte, Mathewson & Co. B

Wall & Co., A. T. ....C

**WIS.—Racine**  
Racine Malleable &  
Wrought Iron Co. (Iron) A

**SWORDS**

**MASS.—Chicopee**  
Ames Sword Co. ....B

**New York City**  
Koehler & Co., A., 54 Union  
Sq. (Theatrical) .....C

**OHIO—Cincinnati**  
Pettibone Bros. Mfg. Co. A

**OHIO—Columbus**  
Lilley & Co., M. C. AAAA

**PA.—Philadelphia**  
Schoenhut & Co., A. (Toy) A

**SYNCHRONI-  
ZERS**

**New York City**  
Prentiss Clock Improvement  
Co. (for Clocks) .....D

**SYPHONS**

**ILL.—Chicago**  
Illinois Malleable Iron Co.,  
30 W. Monroe ....AAAA

Marsh & Co., Jas. P. (Soda  
Water) .....B

**ILL.—Fort Wayne**  
Bowser & Co., L. F. ....A

**ILL.—Kewanee**  
Western Tube Co. (Steam  
Gauge) .....AAA

**IND.—Fort Wayne**  
Bowser & Co., S. F. ....A

**MASS.—Andover**  
Tyler Rubber Co. (for Bot-  
tling Liquors, etc.) .AA

**MASS.—Boston**  
American Soda Fountain  
Co. ....AAAA

Crosby Steam Gauge &  
Valve Co. ....AA

**MICH.—Detroit**  
American Injector Co. ...D

**N. Y.—Brooklyn**  
Deverall Perfection Mfg.



**SYPHONS (Con.)**  
 Co., Johnson Pl. (Can) D  
**New York City**  
 Bishop Gutta Percha Co.,  
 420 E. 25th (Gutta Per-  
 cha) .....B  
 Matthews, John (Firm of)  
 (Soda Water) .....AA  
**N. Y.—Stapleton**  
 Walters & Son, Chas. ...B  
**OHIO—Cincinnati**  
 Vanduzen Co., E. W. ....B  
**PA.—Philadelphia**  
 Eynon-Evans Mfg. Co., 1519  
 Clearfield (Lead Lined  
 Acid) .....A

## SYRINGES

**CONN.—New Haven**  
 Seamless Rubber Co. (Foun-  
 tain; Rubber) .....AA  
**ILL.—Chicago**  
 Haussman & Dunn (Hypo-  
 dermic) .....C  
**IND.—Indianapolis**  
 Armstrong & Co., Wm. H.  
 (Rubber; Hypodermic) B  
**MD.—Baltimore**  
 Chesapeake Glass Co., 424  
 W. Conway (Glass) ...D  
**MASS.—Andover**  
 Tyler Rubber Co. (Eye; Ear;  
 Fountain; Rubber) ...AA  
**MASS.—Boston**  
 Codman & Shurtleff (Inc.)  
 (Hypodermic) .....C  
 Davidson Rubber Co. (Rub-  
 ber) .....A  
 Leach & Greene (Hypoder-  
 mic) .....F  
**MASS.—Cambridge**  
 McElroy, P. J. (Glass) E  
**MICH.—Detroit**  
 Parke, Davis & Co. (Hypo-  
 dermic) .....AAAA  
**MO.—St. Louis**  
 Bobe, Peter F. (Glass) ...C  
 Leslie Medicine Co., Chas.  
 (Fountain) .....D  
**N. J.—New Brunswick**  
 Johnson & Johnson (Hypo-  
 dermic) .....AAAA  
**N. Y.—Buffalo**  
 Buffalo Dental Mfg. Co.  
 (Dental) .....B  
**New York City**  
 Becton, Dickinson & Co.,  
 160 Duane (Hypodermic) A  
**Consolidated Dental Mfg.**  
 Co. (Dental) .....F  
 Ellis & Goltermann (Rub-  
 ber) .....C  
 Goodyear Rubber Co. (Rub-  
 ber) .....AAAA  
 Goodyear's India Rubber  
 Glove Mfg. Co. (Rubber)  
 .....AAAA  
 Hodgman Rubber Co. (Rub-  
 ber) .....AA  
 Hoehn Co., R., 80 Chambers  
 (Hypodermic) .....B  
 Hussey & Co., E. J., 80  
 John (Rubber) .....F  
 Maris & Co., John M., 219  
 Fulton (Glass) .....B  
 Parker, Stearns & Sutton  
 (Eye; Ear; Fountain; Hy-  
 podermic; Rubber; Sy-  
 phon) .....B  
 Weinhausen, Henry, 22 No.  
 William (Hypodermic) B  
**N. Y.—Seneca Falls**  
 Rumsey & Co. (Inc.)  
 (Garden) .....A  
**OHIO—Akron**  
 Goodrich Co., B. F. (Foun-  
 tain; Rubber) .....AAAA  
**PA.—Philadelphia**  
 Boekel & Co., Wm., 578  
 Vine (Veterinary Injec-  
 tion) .....A  
 Johnson & Lund (Dental)  
 .....AA  
 Ware Co., Walter F. (Foun-  
 tain; Rubber) .....B  
 Whitall, Tatum & Co. (Hypo-  
 dermic; Glass) .....AAAA  
 White Dental Mfg. Co., S.  
 S. (Hypodermic; Dental)  
 .....AAAA

**SYRINGES (Con.)**  
 E. I.—Providence  
 Davol Rubber Co. (Rubber)  
 AA

## SYRUP

See also Molasses; also  
 Sugar & Syrups: Maple

**CAL.—San Francisco**  
 California Fig Syrup Co.  
 (Fig) .....AA  
**ILL.—Chicago**  
 Glucose Sugar Refining Co.  
 (Glucose) .....AAAA  
 Scully Syrup Co., D. B.  
 (Glucose) .....AA  
**LA.—New Orleans**  
 Dunbar's Sons, G. W.  
 (Fruit) .....AA  
 McCann & Co. (Glucose) D  
**MO.—St. Louis**  
 St. Louis Syrup & Preserv-  
 ing Co. (Glucose) ...AAA  
**NEBR.—Omaha**  
 Farrell & Co. (Glucose) ...A  
**New York City**  
 Cohen & Co., Wm. H.  
 (Fruit) .....X  
 Matthews, John (Fruit) AA  
**OHIO—Cincinnati**  
 Alexander Co. (Glucose) A  
**OHIO—Unionville**  
 Cleveland Cider Co. (Cider)  
 D  
**PA.—Philadelphia**  
 Hance Bros. & White  
 (Fruit) .....AA  
 Whitman & Son, S. F.  
 (Chocolate) .....A

## SYRUPS

**ILL.—Chicago**  
 Baker & Co., Chas. S.  
 (Medicinal) .....C  
**IND.—Indianapolis**  
 Lilly & Co., Eli (Medicinal)  
 AA  
**LA.—New Orleans**  
 Jungua Co., (Ltd.) J. B.  
 (Fruit) .....D  
**MASS.—Cambridge**  
 Thayer & Co., Henry  
 (Medicinal) .....A  
**MICH.—Detroit**  
 Parke, Davis & Co.  
 (Medicinal) .....AAAA  
 Stearns & Co., Fred  
 (Medicinal) .....AAA  
**MICH.—Kalamazoo**  
 Upjohn Co. (Medicinal) AA  
**MO.—St. Louis**  
 West India Mfg. Co.  
 (Bottlers') .....B  
**New York City**  
 McKesson & Robbins  
 (Medicinal) .....AA  
 Schleffelin & Co., W. H.  
 (Medicinal) .....AA  
 Taussig & Co., N. W.  
 (Bottlers') .....A  
**PA.—Philadelphia**  
 Hance Bros. & White  
 (Medicinal) .....AA  
**TENN.—Nashville**  
 Spurlock, Neal & Co.  
 (Medicinal) .....A

## SYSTEMS

**IND.—Fort Wayne**  
 Fort Wayne Electric Wks.  
 Alternating Current; Arc  
 Light; Incandescent Elec-  
 tric Lighting) .....AAA  
**IOWA—Burlington**  
 Murray Iron Wks. Co.  
 (Electric Lighting) ...A  
**MO.—St. Louis**  
 St. Louis Car Co. (Electric  
 Railway) .....AAAA  
**N. Y.—Long Island City**  
 Daimler Mfg. Co. (Portable  
 Lighting Complete) ...D  
**New York City**  
 C & C Electric Co. (Electric  
 Lighting) .....B  
 Sprague Electric Co. (Elec-  
 tric Railway) .....AAAA  
**N. Y.—Schenectady**  
 General Electric Co. (Arc

## SYSTEMS (Con.)

Light; Incandescent and Continuous Current; Electric Lighting; also Electric Railway) .....AAAA

## OHIO—Alliance

McCasky Account Register Co. (Short Account) ...D

## OHIO—Cincinnati

Triumph Electric Co. (Arc Light; Incandescent Electric Lighting) .....A

## PA.—Erie

Keystone Electric Co. (Arc Light; Incandescent Electric Lighting) .....B

## PA.—Philadelphia

Dallett Co., Thos. H. (Continuous Current; Electric Lighting) .....B

Fell Mfg. Co., E. O., 1112 Sansom (Short Account) D

## PA.—Pittsburg

Westinghouse Elec. Mfg. Co. (Alternating Current; Arc Light; Incandescent Electric Lighting) .AAAA

## TABLES

See also Furniture

## COLO.—Denver

Colorado Iron Wks. Co., 721 17th (Concentrating) AA

## CONN.—Meriden

Bradley & Hubbard Mfg. Co. (Brass; Card; Bronze) .AAAA

## CONN.—New Haven

Atwood First Aid Veterinary Co., Dr. F. G. (Veterinary) .....F

## CONN.—Norwich

Rogers & Co., O. B. (Cut-Off; Metal Saw; Slitting Saw; Swing Cut Off; Edging) .....AAAA

## CONN.—South Norwalk

McKibbin Mfg. Co. (Bronze) B

## CONN.—Waterbury

Holmes, Booth & Haydens (Inc.) (Onyx) .AAAA

Matthews & Willard Mfg. Co. (Onyx) .AAAA

Waterbury Farrel Foundry & Machine Co. (Metal Saw) .....AA

## DEL.—Wilmington

Hilles & Jones Co. (Spacing) .....AAAA

## ILL.—Batavia

Challenge Wind Mill & Feed Mill Co. (Saw) .AAA

U. S. Wind Engine & Pump Co. (Saw) .....AA

## ILL.—Chicago

Akam Billard Mfg. Co., 390 Wabash Av. (Billiard) D

Allis-Chalmers Co. (Concentrating) .....AAAA

American Bronze Fdy. Co. (Bronze) .....D

Borden & Selleck Co., 48 Lake (Picking) .....B

Chicago Ornamental Iron Co. (Bronze) .....O

Clark & Co., A. C. (Physicians') .....A

Dietzgen Co., Eugene (Draughting) .....A

Link Belt Machinery Co. (Picking) .....AAA

Merle & Heaney Mfg. Co., 185 Washn. (Billiard) AA

Niemann & Weinhardt Table Co. (Card; Checker) ...A

Passon & Sons, Chas., 706 Centre Av. (Billiard) .AA

Peterson & Co., Leonard, 51 Institute Pl. (Draughting) F

Post Co., Frederick, 218 S. Clark (Draughting) ...D

Smith Wire & Iron Wks., F. P. (Bronze) .....B

Winslow Bros. Co., 368 Carroll Av. (Bronze) .....AA

## IND.—Indianapolis

Allison Co., W. D. (Gynaecological; Surgical; Physicians') .....B

Atkins & Co., E. O. (Brazing

## TABLES (Con.)

Iron Saw Leveling) AAAA

Chandler & Taylor Co. (Edging; Slitting) ....AA

Clark & Roberts (Physicians') .....B

Perfection Chair Co. (Physicians') .....D

Udell Works (Card; Dressing; Work; Folding; Sewing Machine) .....A

## IND.—Kendallville

Baker Sons & Co., J. R. Bedside) .....O

## IND.—Richmond

Robinson & Co., Inc. (Slitting Saw) .....AA

## MAINE—Brunswick

Fairfield Lawn Swing Co. (Folding) .....E

## MAINE—Fairfield

Fairfield Furniture Co. (Folding; Lap) .....D

## MAINE—South Paris

Paris Mfg. Co. (Children's; Folding) .....A

## MASS.—Boston

Davenport Co., A. H. (Card; Coffee; Dressing) ....AA

Golding & Co. (Imposing) .B

McCafferty & Co., J. H., 436 Harrison Av. (Bronze) O

McGann, Thos. F., 104 Portland (Bronze) .....E

Murdock Corporation, 156 Boylsten (Bronze) .....B

Shreve Crump & Low Co., 14 Randolph (Bronze) ..AA

## MASS.—Brookton

Kimball Bros. & Sprague (Saw) .....B

## MASS.—Gardner

Derby & Co., P. (Brass) AA

Heywood Bros. & Wakefield Co. (Battan) .....AAAA

## MASS.—Taunton

Reed & Barton Corporation (Restaurant Steam) AAA

## MASS.—Worcester

Hill Dryer Co. (Ironing) .D

Kidder, R. E., 2 Hermon (Draughting) .....G

## MICH.—Bay City

Industrial Wks. (Transfer) AA

## MICH.—Belding

Belding-Hall Mfg. Co. (Folding) .....AA

## MICH.—Benton Harbor

Spencer & Barnes Co. (Dressing) .....A

## MICH.—Detroit

Amos & Co., Chas., 94 W. Larned (Bronze) .....E

Buckley-Hart Mfg. Co., 527 Franklin (Bronze) ....D

Schulenberg Mfg. Co. (Billiard) .....O

Vulcan Co. (Bronze) .....F

## MICH.—Grand Rapids

Alexander Mfg. Co., J. G. (Draughtsmen') .....F

Backe Mfg. Co. (Billiard; Pool) .....X

Berkey Furniture Co., Wm. A. (Centre Extension) .A

Durfee Embalming Fluid Co. (Embalming) .....B

Fox Machine Co. (Saw) ..A

Hettterscheid Mfg. Wks. (Draughting) .....H

## MICH.—Muskegon

Rodgers Iron Mfg. Co. (Swing Cut Off; Edging) A

## MINN.—Stillwater

Stillwater Mfg. Co. (Billiard) .....A

## MO.—St. Louis

Progress Press Brick & Machine Co. (Brick Cutting) .....B

Whitman Agricultural Co. (Saw) .....AA

## N. H.—Lebanon

Baxter Machine Co. (Saw) O

## N. H.—Nashua

Maine Mfg. Co. (Folding) A

## N. J.—Hoboken

New York Switch & Crossing Co. (Transfer) .....A

# TABLES (Con.)

**N. J.—Jersey City**  
 Redgrave, M. (Bagatelle) D  
 Snead Iron Wks. (Bronze) A  
**N. J.—Newark**  
 Hemmer Bros. (Directors') B  
 Seymour & Whitlock (Metal Saw) B  
**N. J.—Paterson**  
 Boyle & Sons, John (Inc.) (Electrotypers Saw) A  
**N. Y.—Albany**  
 Clark, John W. (Bronze) C  
**N. Y.—Binghamton**  
 Wilkinson Mfg. Co. (Folding; Work; Folding Toy) A  
**N. Y.—Brooklyn**  
 Heckler Iron Wks. (Bronze) AA  
**N. Y.—Buffalo**  
 Outler & Son, A. (Card; Quecker) A  
**N. Y.—Irvington**  
 Lord & Burnham Co. (Greenhouse Plant) A  
**N. Y.—Jamestown**  
 Fenton Metallic Mfg. Co. (Iron) A  
**N. Y.—Kingston**  
 Moore Bronze & Plate Co., M. E. (Bronze) B  
**N. Y.—Little Falls**  
 Burrell & Co. D. H. (Bennet) AAAA  
**N. Y.—Long Island City**  
 Richey Browne & Donald, 8th & Eggleston Av. (Bronze) A  
**N. Y.—Middletown**  
 Morgan & Wilcox Mfg. Co. (Imposing) O  
**New York City**  
 American Type Founders Co. (Imposing) AAAA  
 Bramhall-Deane Co. (Restaurant Steam) B  
 Brunswick - Balke - Collender Co. (Restaurant Saloon; Bagatelle; Card; Checker) AAAA  
 Cabaret, Paul E., 342 W. 14th (Bronze) D  
 Cottrell & Sons Co., C. B. (Electrotypers' Saw) AAA  
**Fiske Iron Wks., 39 Park Pl. (Coffee; Fancy; Restaurant; Saloon; Bronze; Cemetery) B**  
 Griffith & Co., W. H. (Billiard) D  
 Henry-Bonuard Bronze Co., 430 W 16th (Bronze) O  
 Hoe & Co., R. (Imposing) AAA  
**Homan Co., Andrew (Parlor; Card; Checker) D**  
 Hospital Supply Co. (Surgical Operating, &c.) A  
**Jackson Co., Wm. H., 29 E. 17th (Bronze) A**  
 Judd & Co., H. L. (Brass; Onyx) AA  
 Keuffel & Esser Co., 127 Fulton (Draughting; Drawing) AA  
 Lamb, J. R., 59 Carmine (Memorial) D  
 Lovejoy Co. (Electrotyped Saw) B  
 Mace & Co., L. H. (Folding; Kitchen; Work) B  
 Manhattan Brass Company (Brass) A  
 Mott Iron Works, 84 Beekman (Bronze) AA  
 Sargent Mfg. Co., G. F. (Gynecological; Invalid) X  
**Schwencke, Kirk & Co., 26 Church (Draughting) E**  
 Soltmann, E. G., 125 E. 42d (Draughting) B  
 Sterling Bronze Co., 12 E. 30th (Bronze) F  
 Stokes & Co., Wm. A. 50 Warren (Checker; Card) D  
 Strobel & Sons, Philip (Restaurant; Saloon) A

# TABLES (Con.)

**Swain & Son, H. C. (Inc.) D**  
**Tiffany & Co., 15 Union Sq. (Bronze) AAAA**  
 Tuttle & Baile, Mfg. Co., 83 Beekman (Bronze) A  
 Westervelt, A. H. & W. T. (Iron) B  
**N. Y.—Rochester**  
 American Draughting Furniture Co., 223 Mill (Draughting) E  
 National Casket Co. (Trimming for Caskets) AAAA  
**N. Y.—Troy**  
 Gurley, W. & L. E. (Inc.) (Surveyors') A  
**N. Y.—Walton**  
 Hoyt Co., L. E. (Draughting) X  
**OHIO—Alliance**  
 Morgan Engineering Co. (Electric; Rolling Mill Feed) AAAA  
**OHIO—Bryan**  
 Bryan Novelty Mfg. Co. (Tilting) E  
**OHIO—Canton**  
 Bonnot Co. (Brick Cutting) A  
 Fay, J. A. & Egan Co. (Saw) AAAA  
**OHIO—Cleveland**  
 Fulton Foundry Co. (Transfer) O  
 Van Dorn Iron Wks Co. (Iron) AA  
**OHIO—Columbus**  
 Columbus Aseptic Furniture Co. (Physicians') X  
**OHIO—Galion**  
 Freese & Co., E. M. (Automatic Brick Cutting) A  
**OHIO—Hamilton**  
 Long & Alstatter Co. (Automatic Spacing) AA  
**OHIO—Toledo**  
 Stevens Co., B. A. (Billiard) A  
**OHIO—Hollidaysburg**  
 McLanahan-Stone Machine Co. (Picking) A  
**OHIO—Montrose**  
 Beach, Harry W. (Cut-Off; Rip Saw) D  
**OHIO—New Castle**  
 Vulcan Fdy. & Machine Co. (Rolling Mill Feed) A  
**PA.—Allegheny**  
 Pittsburg, Lamp, Brass, Glass Co. (Brass; Onyx) AAAA  
**PA.—Philadelphia**  
 Ballev. Banks & Biddle Co. (Bronze) AAAA  
 Horn & Brannon Mfg. Co. (Brass) AA  
 Queen & Co. (Inc.), 1010 Chestnut (Draughting) AA  
 Sellers & Co., Wm. (Transfer) AAAA  
 Talos, Henry M., 920 Arch (Draughting) F  
 Weber & Co., F., 1125 Chestnut (Draughting) A  
 Williams, Brown & Earle, 918 Chestnut (Draughting) A  
**PA.—Pittsburg**  
 Feick Bros. Co. (Surgical) D  
 Hogg Iron & Steel Fdy. Co., Geo. A. (Rolling Mill Feed) A  
 Hopp & Co., Geo. D., 538 Smithfield (Draughting) D  
 Lewis Fdy. & Machine Co., 1001 Bingham (Rolling Mill; Feed) A  
 Steren Co., Wm. E., 544 Smithfield (Draughting) O  
 United Engineering & Fdy. Co. (Rolling Mill; Feed) AAAA  
**PA.—Reading**  
 National Brass & Iron Wks (Brass; Iron; Onyx) A  
**PA.—South Bethlehem**  
 Bethlehem Fdy. & Machine

**TABLES (Con.)**

(Lunch Bar) .....C  
**PA.**—Union City ..  
 Novelty Wood Works Co.  
 (Folding; Library) ....B  
**VT.**—Montpelier  
 Lane Mfg. Co. (Swing Cut-  
 Off; Folding) .....A  
**VT.**—Putney  
 Stowell Co. (Folding) ....D  
**VT.**—Readsboro  
 Readsboro Chair Mfg. Co.  
 (Folding) .....B  
**WIS.**—Cudahy  
 Power & Mining Machinery  
 Co. (Concentrating) AAA  
**WIS.**—Milwaukee  
 Meinecke & Son, A. (Toy;  
 Toy Folding) .....AA  
**WIS.**—Racine  
 Gold Medal Camp Turn  
 Mfg. Co. (Camp Folding) B  
**WIS.**—Sheboygan  
 Mattoon Mfg. Co. (Centre;  
 Extension; Fancy; Kit-  
 chen; Lap; Library; Pil-  
 lar) .....A  
 Winter Lumber Co., M.  
 (Folding) .....B

**TABLETS**

See also Pad & Tablet Mfrs.

**IND.**—Indianapolis  
 Lilly Co., Eli (Medical;  
 Compressed; Hypodermic) AA  
**MD.**—Baltimore  
 Burrough Bros. Mfg. Co.  
 (Medical) .....X  
 Foutz Co., David E. (Medi-  
 cal) .....D  
 Sharpe & Dohme (Medical;  
 Compressed Hypodermic) AAA  
**MASS.**—Cambridge  
 Thayer & Co., Hy. (Medi-  
 cal; Compressed) .....A  
**MICH.**—Detroit  
 Nelson, Baker & Co. (Medi-  
 cal) .....AA  
 Parke, Davis & Co. (Medi-  
 cal;; Compressed; Hy-  
 podermic) .....AAAA  
 Stearns Co., Fdk. (Medical;  
 Compressed) .....AAA  
**MICH.**—Kalamazoo  
 Upjohn Pill & Granule Co.  
 (Medical) .....AA  
**MO.**—St. Louis  
 Anti Kamnia Chemical Co.  
 (Medical) .....B  
**N. Y.**—Little Falls  
 Hansen's Laboratory, Chris.  
 (Junket; Medical) ....B  
 New York City  
 Boericke & Tafel (Medi-  
 cal; Compressed) ....F  
 Caswell Massey & Co. (Medi-  
 cal; Compressed) ....B  
 Edison Chemical Co., Thos.  
 A., Jr., 14 Stone (Ink;  
 Perfume) .....X  
 Fairchild Bros. & Foster  
 (Medical; Compressed) AA  
 Fraser Tablet Co. (Medi-  
 cal; Compressed; Hy-  
 podermic) .....AA  
 Lyon & Sons, I. W., 520  
 W. 27th (Medical) ...C  
 McKesson & Robbins (Medi-  
 cal) .....AAAA  
 Requa Mfg. Co., 131 Will-  
 iam (Charcoal) .....D  
 Schleffelin & Co., W. H.  
 (Medical) .....AA  
 Seabury & Johnson, Inc.  
 (Medical; Compressed) AA  
**N. Y.**—Norwich  
 Norwich Pharmacal Co.  
 (Medical) .....A  
**N. Y.**—Rochester  
 Dunn Co., T. B. (Medi-  
 cal) .....B  
**OHIO.**—Cincinnati  
 Altenheim Medical Dis-  
 pensary (Medical) ...D  
 Merrell Chem. Co., Wm. S.  
 (Hypodermic; Dispensary;  
 Compressed) .....AAA

**TABLES (Con.)**

**PA.**—Ambler  
 Keasby & Mattison Co.  
 (Medicinal; Compressed) AAAA  
**PA.**—Philadelphia  
 Hance Bros. & White  
 (Medicinal; Compressed) AA  
 Handy Table Co., 1021 N.  
 Front (Medical) ....X  
 Mason Chemical Co., 515  
 Arch (Medical) ....B  
 Mulford Co., H. K. (Medi-  
 cal; Compressed) AAA  
 Warner & Co., Wm. B.  
 (Lithia Water) ....AAA  
 Wyeth & Bros., Jno (Inc.)  
 (Medical; Compressed) AAAA

**TABOURETS**

**ILL.**—Rockford  
 East Rockford Mantel Co. A  
**MASS.**—Gardner  
 Haywood Bros. & Wakefield  
 Co. ....AAAA  
**PA.**—Union City  
 Novelty Wood Works Co. B  
**WIS.**—Milwaukee  
 Meinecke & Son, A. ....AA

**TACHOM-  
ETERS**

**CONN.**—Hartford  
 Veeder Mfg. Co. ....A  
**N. Y.**—Brooklyn  
 Schaffer & Budenberg Mfg.  
 Co., 10 Division .....D  
 New York City  
 Keuffel & Esser Co., 120  
 Fulton .....AA  
**N. Y.**—Troy  
 Gurley, W. & L. E. (Inc.) A  
**PA.**—Philadelphia  
 Queen & Co. (Inc.), 1010  
 Chestnut .....AA

**TACKLE**

See Blocks: Fishing Tackle  
 New York City  
 Hunt Co., C. W. (Chain  
 Hoisting) .....AA  
**PA.**—Harrisburg  
 Jackson Mfg. Co. (Chain  
 Hoisting) .....B  
**PA.**—Philadelphia  
 Harrington Son. & Co.  
 E. (Inc.) (Chain Hoist-  
 ing) .....AA  
**WIS.**—Milwaukee  
 Chain Belt Co. (Chain  
 Hoisting) .....B

**TACKS**

See also Hardware; Carriage  
**CAL.**—San Francisco  
 Judson Mfg. Co. ....AA  
**CONN.**—Bridgeport  
 Canfield, H. O. (Rubber  
 Head) .....B  
**CONN.**—Bristol  
 Horton Mfg. Co., (Thumb  
 for Blotters) .....B  
**CONN.**—Derby  
 Shelton Co. (Cut; Trimmers;  
 Upholstery) .....A  
**CONN.**—New Britain  
 Stanley Wks. (Swedish  
 Iron; Looking Glass) AAA  
**CONN.**—New Haven  
 Cowles & Co., C. (Inc.)  
 (Carriage) .....A  
 English & Mersick Co.  
 (Carriage; Rubber Head) B  
**ILL.**—Belleville  
 Stanley Co., Geo. W.  
 (Double Pointed) .....F  
**ILL.**—Chicago  
 Amer. Steel Wire Co.  
 (Double Pointed) AAAA  
 Chicago Tackle (Bill Poster;  
 Carpet; Galvanised;  
 Leather Carpet; Steel; Up-

# TACKS (Con.)

holstery) ..... B  
Gibson Co., Wm. tD., 23  
N. Clinton (Double Point-  
ed) ..... B  
Grand Crossing Tack Co.  
(Double Pointed; Bill  
Posters; Carpet Carriage;  
Galvanized; Leather Car-  
pet; Upholstery; Zinc;  
Box; Basket; Trimmers) A

**ILL.—Rockford**  
Rockford Nail & Tack Co. C

**IND.—Madison**  
Tower Mfg. Co. (Steel;  
Iron; Copper; Double  
Pointed) ..... C

**MD.—Baltimore**  
Holland Mfg. Co. .... D

**MASS.—Boston**  
Baker & Co., Chas. F.  
(Shoe) ..... A  
Elastic Tip Co. (Rubber  
Head) ..... B

**MASS.—Bridgewater**  
Miller's Sons, H. J.  
(Shank; Machine; Shoe) D

**MASS.—East Walpole**  
Bird & Son., F. W.  
(Double Pointed) .... AA

**MASS.—Fairhaven**  
Atlas Tack Co. (Cut; Wire;  
Bill Posters; Carpet; Car-  
riage; Copper; Covered;  
Crimping; G alvanized;  
Leather Carpet; Looking  
Glass; Miners; Shoe;  
Steel; Swede; Iron; Up-  
holstery; Wire .... AAAA

**MASS.—Hanover**  
Salmon & Son, Saml.  
(Carpet) ..... AA  
Waterman, R. C. (Carpet) D

**MASS.—Lakeville**  
Osborn & Co., W. .... D

**MASS.—Lynn**  
Churchill & Allen (Shoe) F

**MASS.—Plymouth**  
Cobb & Drew (Double  
Pointed; Galvanized;  
Leather; Shoe; Carpet;  
Zinc; Upholstery) .... AA  
Plymouth Mills (Double  
Pointed; Box; Basted  
Trimmers; Upholstery) B  
Ripley & Bartlett (Miners;  
Shoe; Upholstery) .... B

**MASS.—Raynham**  
Diamond Tack & Nail  
Works ..... C

**MASS.—Rockland**  
Anderson Tack Co. .... F

**MASS.—South Braintree**  
Stevens & Willis Co. .... B

**MASS.—South Hanover**  
Phillips & Sons, Ezra  
(Double Pointed; Bill  
Posters; Carpet; Galvan-  
ized; Miners; Shoe;  
Tinned; Upholstery; Zinc;  
Box; Basket Trimmers) A

**MASS.—Taunton**  
Glove Mfg. Co. (Bill Pos-  
ters; Railroad; Box;  
Basket; Upholstery) ..E  
Taunton Wire Nail Co.  
(Wire; Carpet; Bill  
Poster. Etc; Double  
Pointed) ..... D

**MASS.—Whitman**  
Gurney, David B. .... A

**MASS.—Worcester**  
Morgan Spring Co. .... A  
Parker Wire Goods Co.  
(Double Pointed) .... D

Reed & Prince Mfg. Co. ..B  
Wire Goods Co. (Double  
Pointed; Wire) ..... A

Wright Wire Co. (Double  
Pointed) ..... AA

**N. H.—East Jaffrey**  
Granite State Tack Co.  
(Shoe) ..... C

**N. H.—Keene**  
Fuller, G. E. & A. J. ..E

**N. J.—Newark**  
Williamson Novelty Co.  
(Thumb) ..... B

**N. Y.—Binghamton**  
Binghamton Tack Co.

(Carpet; Shoe; Uphol-  
stery; Trimmers; Etc.) B

Crandall Stoue & Co. (Inc.)  
(Carpet) ..... A

Tetchener & Co., E. H.  
(Inc.) (Double Pointed) B

**N. Y.—Buffalo**  
McKinnon Dash Co. (Phos-  
phor Bronze) ..... AA

Western Wire Goods Co.  
(Double Pointed) ..... D

# TACKS (Con.)

stery; Trimmers; Etc.) B  
Crandall Stoue & Co. (Inc.)  
(Carpet) ..... A  
Tetchener & Co., E. H.  
(Inc.) (Double Pointed) B

**N. Y.—Buffalo**  
McKinnon Dash Co. (Phos-  
phor Bronze) ..... AA

Western Wire Goods Co.  
(Double Pointed) ..... D

**New York City**  
American Book Co.  
(Thumb) ..... AAAA

Ansonia Brass & Copper  
Co. (Copper) ..... AAAA

Faber, Eberhard, 545 Pearl  
(Thumb) ..... AAA

Hungerford Brass & Copper  
Co., U. T. (Copper) AA

Judd & Co., H. L. (Double  
Pointed) ..... AA

Keuffel & Esser Co., 127  
Fulton (Thumb) .... AA

Metal Stamping Co.  
(Galvanized) ..... A

New York Button Wks.  
(Inc.) (Covered) ..... B

Russell & Erwin Mfg. Co.,  
43 Chambers ..... AAAA

Sargent & Co., 151 Leonard  
(Double Pointed) ..AAAA

**N. Y.—Pen Yan**  
Superior Tack & Nail Co.  
(Double Pointed) ..... C

**N. Y.—Rome**  
Rome Brass & Copper Co.  
(Brass; Copper) ..AAAA

**OHIO—Cleveland**  
Cleveland Tack Co., Hamil-  
ton cor. Kirtland ...AAA

H. C. Tack Co., C. & P. Ry.  
N. Euclid Av. .... B

Kirk-Latty Mfg. Co. (Cut) A  
National Screw & Tack Co.  
(Carpet; Galvanized) AA

**PA.—Norristown**  
Penn Tack Co. (Double  
Pointed) ..... C

Redding Screw Co. (Double  
Pointed) ..... A

**PA.—Philadelphia**  
Phosphor Bronze Smelting  
Co. (Ltd.) (Phosphor  
Bronze) ..... A

**PA.—Pittsburg**  
Anchor Nail & Tack Wks.,  
So. 19th & Merrimac ...B

Union Steel Casting Co.  
Carnegie Bldg. (Wire) AAA

**PA.—Sharon Hill**  
Pickering, R. S. (Double  
Pointed) ..... E

**PA.—York**  
York Tack & Nail Wks.  
(Thumb; Carpet; Car-  
riage; Crimping; Looking  
Glass; Steel) ..... A

**WIS.—Milwaukee**  
Milwaukee Tack Co., Wahl  
& 27th & Av. L. P.  
(Double Pointed; Car-  
riage; Crimping; Looking  
Glass; Swedes Iron; Wire) X

**TAFFETAS**  
See Silk Goods

**TAGS**  
CONN.—Waterbury  
Waterbury Brass Co.  
(Brass) ..... AAAA

**ILL.—Chicago**  
Crowe Metal Mfg. Co., 71  
West Jack. Boul. (Brass) E

Kersten, C., 464 No. Paul-  
ina Av. (Laundry) .... X

**IND.—South Bend**  
Folding Paper Box Co.  
(Linen Shipping) ..... B

**MASS.—Boston**  
Dennison Mfg. Co. (Hook;  
Merchandise; Jewelers)  
AAAA

**MASS.—North Attleboro**  
Gilbert F. S. (Bag) ..... D

**MASS.—Worcester**  
Warren Leather Goods Co.

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**TAGS (Con.)**

(Bag) .....B  
**MICH.**—Battle Creek  
 American Mfg. Co. (Ship-  
 ping; Coupon; Shop; Du-  
 plicate Copying) .....F  
 Keyes-Davis Co. (Ltd.)  
 (Overall) .....H  
**NEBR.**—Exeter  
 Smith, Chas. C. (Ledger  
 Indexing) .....D  
**N. J.**—Newark  
 Headley & Farmer Co.  
 (Bag) .....A  
**N. Y.**—Brooklyn  
 Gair Co., Robert, Washn.  
 (Shipping) .....A  
 New York City  
 American Tag Co., 186  
 Wooster (Shipping) ...B  
 Dennison Mfg. Co., 15 John  
 (Shipping, etc.) .....AAAA  
 Medford Fancy Goods Co.  
 (Dog Collar Licence) ...E  
**OHIO**—Cincinnati  
 Murdock Jr., Jas. (Tin) ..C  
 Robinson Mfg. Co., J. M.  
 (Tin) .....C  
**OHIO**—Dayton  
 Howard, Wm. H. (Dog) E  
**PA.**—Hanover  
 Hanover Tag Co. (Shipping)  
 X  
**PA.**—Philadelphia  
 Grayson, R. H., 1801 Berks  
 (Laundry) .....D  
 Philadelphia Tag Co.  
 (Hook) .....F  
**PA.**—West Chester  
 Denny Tag Co. (Shipping) C  
**W. VA.**—Wheeling  
 Wheeling Metal & Mfg. Co.  
 (Zinc; Tin) .....D

**TALC**

**N. J.**—Lincoln  
 Atlas Mineral & Machine  
 Co. ....D  
**N. Y.**—Gouverneur  
 Union Talc Co. ....X  
 United States Talc Co.  
 (Inc.) .....A  
 New York City  
 Pettit Chemical Co. ....B  
 Solomon & Bro., L. A., 216  
 Pearl (Powdered) ...AA  
 Whittaker, W. H., 245  
 Front (Powdered) .....E  
**OHIO**—Cincinnati  
 Garlick & Co., H. ....B  
**N. C.**—Hewitt  
 North Carolina Talc &  
 Mining Co. (Powdered) C  
 Obermayer Co., S. ....AA  
**PA.**—Easton  
 Williams & Co., C. K.  
 (Powdered) .....A  
**PA.**—Philadelphia  
 Nevins Co., Samuel, 100 S.  
 2nd (French; Powdered) D  
**TENN.**—Chattanooga  
 Crescent Novelty Mfg. Co.  
 (Flour; Scrap) .....E  
 Steward Mfg. Co., D. M.  
 (Powdered) .....B

**TALLIES**

**WIS.**—Milwaukee  
 Durant, W. N. (Flour) ..E

**TALLOW**

**ILL.**—Chicago  
 Bierce, Wm. W. ....A  
 Darling & Co. ....A  
 Fairbank Co., N. K. AAAA  
 Fitzpatrick Co., Jno. ....B  
 Hately Bros. ....A  
 Libby, McNeill & Libby  
 (Inc.) .....AAAA  
 Morris & Co., Nelson AAAA  
 Swift & Co. ....AAAA  
**IND.**—Hammond  
 Hammond Co., G. H. AAAA  
**MASS.**—Boston  
 American Glue Co. AAAA  
 Dow & Co., John C. ....C  
**MASS.**—Cambridge  
 Reardon & Sons Corp.,  
 John .....X

**TALLOW (Con.)**

Squire & Co. (Inc.) Jno. P.  
 AAAAA  
**MASS.**—New Bedford  
 Hersom & Co., Thos. ....C  
**MINN.**—Minneapolis  
 McMillan Fur & Wool Co. X  
**MO.**—Kansas City  
 Armour Packing Co. AAAA  
**MO.**—St. Louis  
 St. Louis Hide & Tallow Co.  
 C  
**N. Y.**—Brooklyn  
 Davis Oil Co., 95 9th ....C  
 New York City  
 Colgate & Co. ....AAAA  
 Donahue & Son, P., 652 W.  
 89th .....A  
 Habermann, Joseph, 625 W.  
 40th .....B  
 Manhattan Oil Co., 51 Front  
 D  
 Swan & Fench Co. ....A  
 Welch, Holme & Clark Co.  
 A  
**N. Y.**—Palmyra  
 Knowles, H. P. ....C  
**OHIO**—Cincinnati  
 Whites Golden Lubricator  
 Co. ....B  
**OHIO**—Defiance  
 Miller Co., H. P. ....C  
**OHIO**—Marietta  
 Streeker Bros. ....A  
**OHIO**—Norwalk  
 Richardson & Co., J. W. C  
**PA.**—Philadelphia  
 Douredoure Bros., 108  
 Walnut .....B  
**VT.**—Hyde Park  
 Page, Carroll S. ....A

**TAMPERS**

**ILL.**—Quincy  
 Modern Iron Wks. (Iron  
 Handle Dirt; Sod) ....B  
**IOWA**—Ottumwa  
 Hardsocg Mfg. Co. (Coal  
 Miners) .....B  
**N. Y.**—Medina  
 Swett Iron Wks., A. L.  
 (Dirt; Sod) .....A

**TAMBOURINES**

See Musical Insts.

**TANKS**

**ALA.**—Montgomery  
 Hartley's Boiler Wks.  
 (Iron; Steel) .....C  
**CAL.**—Los Angeles  
 Gregory, Wm. (Windmill) C  
 Lang Mfg. Co., 4 Baker  
 Blk. (Oil, etc.; Iron;  
 Steel) .....AA  
 Los Angeles Cooperage Co.  
 (Wood) .....A  
 Thompson & Boyle Co. (Cy-  
 anide; Iron; Steel) ....B  
**CAL.**—San Francisco  
 Excelsior Redwood Co.,  
 Channel & 4th (Wood) A  
 Hooper Co., C. A., 4th &  
 Channel (Wood) .....AAAA  
 Korbel & Bros., F. (Wood)  
 AA  
 Pacific Tank Co., 35 Beale  
 (Cyanide; Iron; Steel;  
 Cedar; Pine for Water,  
 Oil; Mining) .....A  
 Woodin & Little (Wind-  
 mill) .....A  
**CAL.**—Santa Clara  
 Pacific Mfg. Co. (Red-  
 wood) .....AA  
**COLO.**—Denver  
 Mine & Smelter Supply Co.  
 (Cyanide) .....AAAA  
 Weigele Steel Pipe Wks.,  
 Wm. A., 2949 Larimer  
 AAA  
**CONN.**—New London  
 Hopson & Chapin Mfg. Co.  
 (Cast Iron Automatic  
 Feed Expansion) .....B  
**DEL.**—Wilmington  
 Edge Moor Iron Co. (Iron;  
 Steel) .....AAA  
 Pusey & Jones Co. (Iron;  
 Steel) .....AAA

## TANKS (Con.)

Remington Machine Co.  
(Iron) ..... A  
**FLA.—Apalachicola**  
 Cypress Lumber Co.  
(Cistern) ..... AA  
**FLA.—Palatka**  
 Selden Cypress Door Co.  
(Cypress Wood) ..... A  
**GA.—Atlanta**  
 Van Winkle Gin & Machine  
 Wks., E. (Windmill) ..... AAA  
**GA.—Newnan**  
 Cole Mfg. Co., B. D.  
 (Water) ..... B  
**GA.—Savannah**  
 Kehoe & Sons, Wm. (Iron;  
 Steel) ..... A  
**ILL.—Aurora**  
 Amer. Well Wks. (Wind-  
 mill) ..... AA  
**ILL.—Batavia**  
 Challenge Windmill & Feed-  
 mill Co. (Galvanized  
 Steel; Windmill; Wooden)  
 ..... AAA  
 United States Wind Engine  
 & Pump Co. (Wood; Wa-  
 ter; Cedar; Iron & Steel;  
 Windmill Dairy) ..... AA  
**ILL.—Chicago**  
 Aermotor Co., W. 12th &  
 Rockwell (Steel; Wood)  
 ..... AAA  
 Allis-Chalmers Co., Home  
 Ins Bldg. (Cyanide; Pres-  
 sure) ..... AAAA  
 American Radiator Co. (Au-  
 tomatic Expansion; Black;  
 Galvanized Steel; Hot Wa-  
 ter Storage) ..... AAAA  
 Chicago Bridge & Iron Co.,  
 105th & Throop (Steel for  
 Railroads, etc.; Water)  
 ..... AAA  
 Fairbanks, Morse & Co.,  
 Franklin & Monroe (Gal-  
 vanized; Steel or Iron;  
 Railroad Water; Wood;  
 Water; Windmill; Wine;  
 Cistern; Dairy) ..... AAAA  
 Hamler Boiler & Tank Co.,  
 3906 So. Halstead (Iron;  
 Steel) ..... B  
 Headen, Frank, 120 Indiana  
 (Wood) ..... A  
 Keastner & Co. .... A  
 Pacific Flush Tank Co., 84  
 La Salle (Automatic Si-  
 phon for Flushing Pipe  
 Sewers) ..... C  
 Pfeiffer Boiler Co., Chris.,  
 70 Michigan (Iron; Steel)  
 ..... B  
 Ryerson & Son, Jos. T., 18  
 Milwaukee Av. (Gas; Air;  
 Soda Water) ..... AAAA  
 Thaler Bros. Cooperage  
 Wks. .... B  
 Wendnagel & Co., W. 22d &  
 So. Jefferson (Wood) .. A  
 Wilson & Co., F. Cortez, 239  
 Lake (Galvanized Steel or  
 Iron; Wood; Oil) ..... B  
 Wolf Co., Fred. W. (Brine;  
 Ice; Iron; Water; Dairy)  
 ..... AAA  
 Wolf Mfg. Co. L., 117 W.  
 Lake (Expansion) .. AAAA  
**ILL.—Edwardsville**  
 Illinois Marble Co. (Slate) C  
**ILL.—Elgin**  
 Elgin Wind Power & Pump  
 Co. (Windmill) ..... B  
**ILL.—Freeport**  
 Stover Mfg. Co. (Wood; Wa-  
 ter; Windmill; Dairy;  
 Stock) ..... AA  
 Woodmans Mfg. Co. (Wind-  
 mill) ..... A  
**ILL.—Galesburg**  
 Frost Mfg. Co. (Expansion)  
 ..... A  
 May Bros. (Iron; Windmill)  
 ..... B  
**ILL.—Galva**  
 Hayes Pump & Planter Co.  
 (Wood) ..... A  
**ILL.—Kewanee**  
 Kewanee Boiler Co. (Expan-  
 sion) ..... AA  
**ILL.—Marseilles**  
 Marseilles Mfg. Co. (Wood;

## TANKS (Con.)

Water) ..... A  
**ILL.—Moline**  
 Moline Pump Co. (Water)  
 ..... A  
**ILL.—Peoria**  
 Avery Mfg. Co. (Windmill)  
 ..... AAA  
 Cody & Sons, Jos. (Expan-  
 sion) ..... B  
**ILL.—Quincy**  
 Michelman Boiler Co. (Ex-  
 pansion) ..... B  
**ILL.—Sandwich**  
 Sandwich Mfg. Co. (Wind-  
 mill) ..... AA  
**ILL.—Springfield**  
 Drake, Wm. (Expansion) .. B  
 Springfield Boiler Mfg. Co.  
 (Expansion; Iron; Steel)  
 ..... A  
**IND.—Auburn**  
 Zimmermann Mfg. Co.  
 (Windmill) ..... B  
**IND.—Butler**  
 Butler Co. (Wood; Water)  
 ..... B  
**IND.—Fort Wayne**  
 Bowser & Co., S. F. (Inc.)  
 (Gasoline Storage; Oil;  
 Self-Measuring Tank; Var-  
 nish) ..... A  
 Kear, Murray Mfg. Co.  
 (Iron; Steel) ..... A  
**IND.—Goshen**  
 Kelley Foundry & Machine  
 Co. (Galvanized Steel or  
 Iron) ..... A  
**IND.—Indianapolis**  
 Sinkers-Davis Co. (Galvan-  
 ized Steel; Grain; Oil;  
 Steam; Refrigerator) .. B  
**IND.—Kendallville**  
 Flint & Walling Mfg. Co.  
 (Stock; Cedar; Windmill;  
 Steel; Wood; Water;  
 Cypress; Galvanized Steel;  
 Cistern) ..... AA  
**IND.—Mishawaka**  
 Perkins Wind Mill Co.  
 (Windmill) ..... A  
**IOWA—Burlington**  
 Murray Iron Works Co. (Ex-  
 pansion; Steam Render-  
 ing) ..... A  
**IOWA—Des Moines**  
 Dempster Mfg. Co. (Water)  
 ..... B  
**IOWA—Waterloo**  
 Tallerdar Steel Pipe & Tank  
 Co. (Stock; Storage;  
 Creamery; Galvanized  
 Steel or Iron Water  
 Mounted on Wheels) .... C  
**KANS.—Junction City**  
 Muenzermayer, J. J. & W.  
 F. (Galvanized Iron  
 Stock) ..... B  
**KY.—Louisville**  
 Caldwell Co., W. E., Bran-  
 dels Av. & Brook (Cya-  
 nide; Galvanized Steel or  
 Iron; Wood; Water; Fac-  
 tory; Stock; Windmill)  
 ..... AA  
 Sengel, Philip ..... A  
 Vogt Machine Co., Henry  
 (Iron; Steel) ..... AA  
**LA.—New Iberia**  
 Trauer's Son, O. J. (Wood)  
 ..... B  
**LA.—Patterson**  
 Cypress Tank & Mfg. Co.  
 (Wood) ..... B  
**MAINE—Portland**  
 Portland Co., 53 Fore (Iron;  
 Steel) ..... AA  
**MD.—Baltimore**  
 Baltimore Cooperage Co.  
 (Wood) ..... B  
**MASS.—Boston**  
 Atlantic Works, 70 Borden  
 (Iron; Steel; Marine), AA  
 Cypress Lumber Co., 153  
 Milk (Cypress Wood Wa-  
 ter) ..... AA  
 Hodge Boiler Wks., Sumner  
 near No. Ferry (Iron;  
 Steel) ..... A  
 Stearns Lumber Co., A. T.  
 (Wood; Water) ..... AA  
**MASS.—Cambridge**  
 Kendall & Sons, Edw. (Iron;  
 Steel) ..... AA

**TANKS (Con.)**  
 Roberts Iron Wks. Co.  
 (Iron; Steel) .....B  
**MASS.—Lawrence**  
 Horne & Sons Co., J. H.  
 (Filtering) .....A  
**MASS.—Lowell**  
 Cragin, F. W. & Co. (Wood)  
 F  
 Eastern Oil Tank Co. (Self-  
 Measuring Oil) .....X  
**MASS.—Waltham**  
 Davis & Farnum Mfg. Co.  
 (Galvanized Steel) .....A  
**MASS.—Worcester**  
 Warren Leather Goods Co.  
 (Bag) .....B  
**MICH.—Battle Creek**  
 Nichols & Shepard Co.  
 (Wood; Water; Mounted  
 on Wheels) .....AAAA  
**MICH.—Detroit**  
 Detroit Range Boiler Co.,  
 619 24th (Expansion) ..B  
 Ideal Mfg. Co., 546 Frank-  
 lin (Expansion) .....A  
 United States Heater Co.,  
 251 Campbell (Expansion)  
 A  
**MICH.—Kalamazoo**  
 Kalamazoo Railway Supply  
 Co. (Railroad; Water), B  
 Phelps & Bigelow Wind  
 Mill Co. (Wind Mill;  
 Wooden) .....O  
**MICH.—Lansing**  
 Maud Windmill & Pump  
 Co., S. (Water) .....B  
**MICH.—Fort Huron**  
 Fort Huron Engine &  
 Thresher Co. (Steel; Wa-  
 ter) .....AAA  
**MICH.—Saginaw**  
 National Engineering Co.  
 (Wood) .....O  
 Wickes Bros. (Factory;  
 Gas; Air; Soda Water;  
 Steel; Wagon) .....AAA  
**MINN.—Anoka**  
 Beed & Sherwood Co.  
 (Wood) .....C  
**MINN.—Minneapolis**  
 Howell & Co., R. R. (Grain;  
 Wooden) .....B  
 Minneapolis Steel & Machry.  
 Co. (Cyanide; Steel; Iron;  
 Water) .....AAA  
 Northwestern Wind Engine  
 Co., 110 3d Av. (Wood)  
 AA  
 Puffer-Hubbard Mfg. Co.,  
 26th and 32nd Aves.  
 (Wood) .....O  
**MO.—Harville**  
 Mangold Stave & Cooperage  
 Co. (Beer; Wine) .....B  
**MO.—St. Louis**  
 Harry Steel Works, O. K.  
 (Iron; Storage; Water), B  
 O'Brien Boiler Wks. Co.,  
 Jno. (Oil) .....AA  
 Stecher Cooperage Wks.,  
 2907 So. 7th (Wood), AA  
 Wanger Boiler & Sheet Iron  
 Co., Jos. F., 1547 No. 9th  
 (Iron; Steel; Brine; Oil;  
 Water) .....A  
**N. J.—Jersey City**  
 Smith & Sons Co., Theo., ft.  
 of Essex (Pressure) ....A  
**N. J.—Phillipsburg**  
 Tippet & Wood (Inc.)  
 (Iron; Steel; Water) ...B  
**N. Y.—Brooklyn**  
 Bliss Co., E. W., 17 Adams  
 (Pressure) .....AAAA  
 Iron Clad Mfg. Co. (Steel;  
 Soda Water) .....AA  
 Logan Iron Wks. (Inc.)  
 (Oil; Water) .....B  
 Ronalds & Johnson Co., 51  
 Boerum Pl. (Expansion)  
 AA  
**N. Y.—Buffalo**  
 Fedders Mfg. Co. (Automa-  
 tic; Oil) .....D  
**N. Y.—Frankfort**  
 Acme Road Machry. Co.  
 (Steel Sprinkler Wagon;  
 Water, Mounted on  
 Wheels) .....B  
**N. Y.—Little Falls**  
 Hansens Laboratory, Chr.  
 (Rennet) .....B

**TANKS (Con.)**  
**New York City**  
 American Bridge Co., 100  
 Bway. (Water) .....A  
 Bartlett Hayward & Co., 100  
 Bway. (Iron; Steel; Oil;  
 Water) .....B  
 Corcoran, Andrew J., 11  
 John (Wood) .....B  
 Deeley & Co., R. (Inc.) AA  
 Griffing Iron Co., A. A.  
 (Expansion) .....AA  
 Kelley & Son, Benj., 91 Lib-  
 erty (Factory) .....B  
 Koven & Bros., L. O., 50  
 Cliff (Expansion; Galvan-  
 ized Steel; Iron; Gas En-  
 gine; Mixing; Pressure;  
 Water; Anti-Expansion;  
 Factory; Oil) .....A  
 Mott Iron Wks., J. L., 88  
 Beekman (Expansion), AA  
 Schwartzwalder & Sons, J.,  
 629 W. 51st (Wood)  
 AAAA  
 Staubach, B. (Slaughter  
 House) .....A  
 Trageser's Steam Cooper  
 Wks., Jno. (Inc.), 477 W.  
 28th (Expansion; Gaso-  
 line; Hot Water; Beer  
 Pump; Air; Braziers Gaso-  
 line) .....B  
 Zucker & Levett & Loeb  
 Co., 526 W. 25th (Chem-  
 ical Proof) .....A  
**N. Y.—North Tonawanda**  
 Niagara Radiator Co. (Ex-  
 pansion) .....A  
**N. Y.—Oswego**  
 Fitzgibbons Boiler Co.  
 (Iron; Steel) .....B  
**N. Y.—Rochester**  
 Yawman & Erbe Mfg. Co.  
 (Bottle Soaking; Steam-  
 ing) .....AA  
**N. Y.—Rome**  
 Rome Mfg. Co. (Copper;  
 Stove) .....B  
**N. Y.—Syracuse**  
 Pierce, Butler & Pierce  
 Mfg. Co. (Inc.) (Expan-  
 sion) .....AAA  
**OHIO—Alliance**  
 Reeves Bros. Co. (Iron;  
 Steel) .....A  
**OHIO—Cincinnati**  
 Cincinnati Cooperage Co.  
 AAA  
 Hauser, Brenner & Fath Co.,  
 McLean Av. & Bank  
 (Wood Brewers Steep), B  
 Littleford Bros., 453 E.  
 Pearl (Galvanized Steel or  
 Iron; Oil; Water; Steel;  
 Iron Street Sprinkler  
 Wagon) .....B  
 Schott & Sons, J. M. ....O  
 Schreiber & Sons Co., L.  
 (Water) .....AA  
 Stacey Mfg. Co., 239 Mill  
 (Gas) .....AA  
 Tudor Boiler Mfg. Co. (Iron;  
 Gas; Air; Soda Water), B  
**OHIO—Cleveland**  
 Avery Stamping Co. (Gal-  
 vanized Steel Gas; Air;  
 Soda Water) .....B  
 Norcross Co. (Acid) .....A  
 Variety Iron Wks. Co.  
 (Iron; Steel) .....B  
**OHIO—Columbiana**  
 Columbiana Boiler Co.  
 (Iron; Steel) .....O  
**OHIO—Dayton**  
 Gem City Boiler Co. (Iron;  
 Steel) .....B  
**OHIO—Delphos**  
 Delphos Can Co. (Factory;  
 Dispensing) .....B  
**OHIO—Forest**  
 Dickelman Mfg. Co. (Gal-  
 vanized Steel; Iron) ....A  
**OHIO—Lowellville**  
 Meehan Boiler & Construc-  
 tion Co. (Iron; Steel; Fac-  
 tory; Gas; Air; Soda Wa-  
 ter) .....B  
**OHIO—Mansfield**  
 Aultman & Taylor Mchry.  
 Co. (Iron) .....AAAA  
**OHIO—Marion**  
 Huber Mfg. Co. (Water;



# TANKS (Con.)

Mounted on Wheels) AAA  
 Marion Mfg. Co., of Ohio  
 (Water Mounted on  
 Wheels) ..... AA  
**OHIO—Niles**  
 Ohio Galvanizing & Mfg. Co.  
 (Steel) ..... B  
**OHIO—Salem**  
 Clarke Co., W. J. (Steel  
 Water Tight; Factory), A  
 Michel Bros. Cooperage Co.  
 (Wood) ..... A  
**OHIO—Warren**  
 Warren City Boiler Wks.  
 (Iron; Steel; Water) ... A  
**OHIO—Youngstown**  
 Enterprise Boiler Co. (Iron;  
 Steel) ..... B  
 Pollock Co., Wm. B. (Wa-  
 ter; Factory; Gas; Air;  
 Soda Water; Oil; Iron;  
 Steel) ..... AA  
**PA.—Allegheny**  
 Porter Fdry. & Machine Co.  
 (Iron; Steel) ..... A  
**PA.—Allentown**  
 Allentown Boiler Wks., Col-  
 lins & Knouse Props.  
 (Iron; Steel) ..... C  
 Hellman Boiler Wks. (Iron;  
 Steel) ..... AA  
**PA.—Bauerman**  
 Bauerman, D. H. (Wind  
 Mill) ..... C  
**PA.—Carbondale**  
 Hendricks Mfg. Co. (Oil;  
 Water) ..... AA  
**PA.—Chester**  
 Wetherhill & Co., B. (Iron)  
 AAAA  
**PA.—Coatsville**  
 Coatsville Boiler Wks. (Iron  
 Coatsville Boiler Wks.  
 (Iron; Steel) ..... AA  
**PA.—Conshohocken**  
 Wood Mfg. Co., Jno. (Elec-  
 tric Welded; Seamless;  
 Expansion) ..... B  
**PA.—Du Bois**  
 Du Bois Iron Wks. (Iron;  
 Steel) ..... AAAA  
**PA.—Elizabeth**  
 Buchs Sons Co., A. (Inc.)  
 (Steel Stock; Steel Wind-  
 mill) ..... A  
**PA.—Erie**  
 Pennsylvania Boiler Works  
 (Iron; Steel) ..... AA  
 Stearns Mfg. Co. (Iron;  
 Steel) ..... B  
**PA.—Harrisburg**  
 Harrisburg Fdry. & Mach.  
 Wks. (Iron; Steel; Oil)  
 AA  
 Harrisburg Mfg. & Boiler  
 Co. (Water) ..... A  
**PA.—Lebanon**  
 Union Boiler & Mfg. Co.  
 (Iron; Steel) ..... B  
**PA.—Marietta**  
 Marietta Hollowware &  
 Enameling Co. (Refriger-  
 ator) ..... B  
**PA.—Meadville**  
 Phoenix Iron Wks. Co.  
 (Iron; Steel) ..... A  
**PA.—Middletown**  
 Amer. Tube & Iron Co.  
 (Ammonia; Acid) ..... AAAA  
**PA.—Newcastle**  
 Pennsylvania Engineering  
 Wks. (Gas; Air; Soda Wa-  
 ter; Oil) ..... AA  
**PA.—Norristown**  
 Newbold & Son Co., R. S.  
 (Inc.) (Iron; Steel) ... A  
**PA.—Oil City**  
 Oil City Boiler Wks. (Inc.)  
 (Iron; Steel) ..... AA  
**PA.—Philadelphia**  
 Belmont Iron Wks., 22d &  
 Wash. (Water) ..... AA  
 Hall, Son & Co., Amos H.,  
 2915 N. 2d (Cedar, etc.;  
 Wood; Water) ..... C  
 Hilbs, E. A., 212 Quarry  
 (Expansion; Oil; Drip;  
 Blow-off; Storage; Iron;  
 Steel) ..... B  
 Green & Son, Robert M.  
 (Steel; Soda) ..... AA  
 Kensington Engine Works  
 (Ltd.), 245 N. Broad

# TANKS (Con.)

(Iron; Steel) ..... A  
 Moore & White Co. (Iron)  
 AA  
**North Penn Iron Co. (Iron;  
 Steel) ..... B**  
**Penn. Range Boiler Co.,  
 10th Cor. Norris (Expan-  
 sion) ..... B**  
**Sheppard & Co., Isaac A.,  
 1810 N. 4th (Expansion)  
 AAA**  
**Smith & Sons, Jno. M., 1429  
 Cedar) ..... B**  
**Spring Garden (Wood;  
 Underwood & Co., H. B.,  
 1025 Hamilton (Pressure)  
 B**  
**Wood & Co., R. D. (Gas  
 Works) ..... AAAA**  
**Woolford Wood Tank Mfg.  
 Co., Geo., Real Estate  
 Trust Bldg. (Cedar; Cy-  
 press; Wood; Brewers  
 Steep) ..... B**  
**PA.—Pittsburg**  
 Carroll-Porter Boiler & Tank  
 Co., Empire Bldg. (Iron;  
 Steel; Water; Oil) .... B  
**Lappan Mfg. Co., Jas., 20th  
 & Pike (Iron; Steel) ... A**  
**McNeill Bros. Co., Jas., 29th  
 & A. V. Ry. (Iron; Steel;  
 Water) ..... A**  
**Munroe & Son, R., 23d &  
 Smallman (Iron; Steel;  
 Grain; Oil; Water) ... AA**  
**Ritter-Conley Mfg. Co. (Gas  
 Tanks; Air; Soda Water;  
 Oil) ..... AAA**  
**Scaife & Sons Co., Wm. B.,  
 221 1st Av. (Air; Calcium  
 Light; Car Lighting; Car-  
 Wheel Annealing; Com-  
 pressed Air; Cyanide; Ex-  
 pansion; Galvanized Steel  
 or Iron; Gas Engine; High  
 Pressure; Hydrogent; Oxy-  
 gen; Muffle; Oil; Pres-  
 sure; Steel Dipping; Anti-  
 Expansion; Soda Water;  
 Grain; Stock; Windmill;  
 Stove; Steel Wagon; Fac-  
 tory; Hot Water) ..... A**  
**Standard Mfg. Co. (Ammo-  
 nia; Acid) ..... AA**  
**PA.—Pottstown**  
 Sotter Bros. (Inc.) (Iron;  
 Steel) ..... B  
**PA.—South Bethlehem**  
 Bethlehem Fdry. & Machine  
 Co. (Factory) ..... C  
**PA.—Steelton**  
 Pennsylvania Steel Co.  
 (Steel) ..... AAAA  
**PA.—Warren**  
 Struthers-Wells Co. (Iron;  
 Steel; Storage; Factory;  
 Oil; Stock; Windmill)  
 AA  
**PA.—Washington**  
 Petroleum Iron Wks. Co.  
 (Steel; Acid; Cyanide;  
 Galvanized Steel or Iron;  
 High Pressure; Gas; Oil  
 or Water Iron; Steel, also  
 Molasses) ..... A  
**PA.—Waynesboro**  
 Frick Co. (Iron; Water; Re-  
 frigerator) ..... AAAA  
**PA.—Wilkesbarre**  
 Vulcan Iron Works (Iron;  
 Water) ..... AAAA  
**PA.—Williamsport**  
 Keeler Co., E. (Iron; Steel;  
 Factory; Gas; Air; Soda  
 Water; Oil; Stock; Wind-  
 mill) ..... A  
**PA.—York**  
 Motter & Sons, Geo. F.  
 (Iron; Water; Steam Ren-  
 dering; Steam; Refriger-  
 ator) ..... C  
**York Mfg. Co. (Iron; Oil;  
 Water) ..... AAAA**  
**R. I.—Providence**  
 Textile Finishing Mchry.  
 Co., 17 Exchange Place  
 (Dipping) ..... AAA  
**TENN.—Chattanooga**  
 Casey & Hedges Mfg. Co.  
 (Iron) ..... A  
 Lookout Boiler & Mfg. Co.

**TANKS (Con.)**  
(Iron; Steel; Railroad Water).....B

**TENN.—Jackson**  
Southern Engine & Boiler Wks. (Factory; Steel; Stock; Steel Windmill)AA  
**TEXAS—San Antonio**  
Collins Mfg. Co., F. F. (Wooden).....AA

**UTAH—Salt Lake City**  
Silver Bros. Iron Wks. Co. (Cyanide).....A

**VT.—Bellows Falls**  
Vermont Farm Machine Co. (Dairy).....O

**VA.—Norfolk**  
Whitehurst Co., R. W. (Water; Stock; Wood; Windmill Wood).....B

**WASH.—Cosmopolis**  
Gray's Harbor Commercial Co. (Fir Wood).....AAA

**WIS.—Cudahy**  
Power & Mining Machinery Co. (Air; Automobile; Compressed Air; Cyanide; Galvanized Steel; Iron; Muffle; Water Mounted on Wheels).....AAA

**WIS.—Evanston**  
Baker Mfg. Co. (Iron; Steel; Windmill; Wooden)AA

**WIS.—Fort Atkinson**  
Cornish, Curtis & Green Mfg. Co. (Dairy; Refrigerator).....A

**WIS.—Jefferson**  
Fernholz Lumber Co. (Wood).....O

**WIS.—Milwaukee**  
Allis-Chalmers Co. (Mining; Pressure).....AAAA

Ketter, Fred., 584 4th (Wood).....B

Milwaukee Boiler Co., 220 Ogden (Iron; Steel)....A

Pressed Steel Tank Co. (Seamless Steel; Air; Car Lighting; Expansion; Gas Engine; High Pressure; Hydrogen; Oxygen; Seamless Steel Cylinder; Gas)B  
Vilter Mfg. Co. (Factory; Steel Stock; Steel Windmill).....AA

**WIS.—Racine**  
Case Threshing Mach. Co., J. J. (Steel; Water mounted on Wheels).....AAAA

Freeman & Sons Mfg. Co. S. (Iron; Steel, also Wood; Water; Grain; Oil; Windmill; Mining) Steam Rendering; Refrigerator) ..A

**WIS.—Superior**  
Duplex Mfg. Co. (Water; Windmill).....AA

**WIS.—Waupun**  
Athaus-Wheeler Co. (Water).....A

## TANNIN

**MASS.—Boston**  
Billings, Clapp & Co.....B

**MO.—St. Louis**  
Mallinckrodt Chemical Wks. ....AAAA

**New York City**  
Matheson & Co., Wm. J....A

**PA.—Philadelphia**  
Drueding Bros. ....AA  
Powers-Weightman-Rosengarten Co. ....AAAA

## TAPERS

**New York City**  
Columbia Wax Works, 85 Crosby (Wax).....X

Houchin Co., Thos. W. (Wax; Wax Floating) ..D  
Smith & Nicols (Wax) ..A

**N. Y.—Syracuse**  
Cathedral Candle Co. (Wax).....B

Mack Miller Candle Co. (Wax).....X

Will & Baumer Co. (Wax).....AA

**TAPERS (Con.)**  
**R. I.—Providence**  
United Wire & Supply Co. (Copper; Gold; Nickel)AA

## TAPES

See also Measures

**CONN.—Ansonia**  
Ansonia O. & C. Co. (Cotton).....A

**CONN.—Hamden**  
New Haven Web Co. (Cotton).....A

**CONN.—Hartford**  
Hartford Rubber Wks. Co. (Electrical Friction) .AA

**CONN.—Middletown**  
Russell Mfg. Co. (Skirt)AAAA

Wilcox, Crittenden & Co. (Tape Lines, etc.; Measuring).....A

**CONN.—Wallingford**  
New York Insulated Wire Co. (Cotton Insulating) .B

**CONN.—Waterbury**  
Waterbury Brass Co. (Measuring).....AAAA

**CONN.—Westport**  
Lees Mfg. Co. ....A

**ILL.—Chicago**  
Chicago Steel Tape Co., Temple Court Bldg. (Measuring).....X

Dietzger Co., Eugene, 181 Monroe (Measuring) ..A

Electric Appliance Co., 94 W. Van Buren (Insulating).....B

Morgan & Wright, (Inc.), 33 W. Lake (Insulating)AA

Post Co., Fred'k, 218 Clark (Measuring).....D

Seelig, R., 122 So. Clark (Measuring).....G

**MASS.—Boston**  
Boston Belting Co., 256 Devonshire (Electrical Friction).....AAAA

Boston Rubber Shoe Co. (Insulating).....AAAA

Simplex Electrical Co. (Insulating).....AAA

**MASS.—Cambridgeport**  
Boston Woven Hose & Rubber Co. (Rubber; Electric Insulating) ..AAAA

**MASS.—Springfield**  
Hutchins Narrow Fabric Co. (Spool).....O

**MASS.—Worcester**  
Thayer Mfg. Co., L. D. (Cotton).....O

Whitter & Co., H. M. (Cotton).....B

**MICH.—Detroit**  
Thorpe Mfg. Co., 50 Woodward Av. (Car Wheel Measuring).....X

**MICH.—Saginaw**  
Lufkin Rule Co. (Steel; Linen Measuring; Cotton)AA

**MO.—St. Louis**  
Missouri Tent & Awning Co. (Insulating).....B

**N. J.—Trenton**  
Home Rubber Co. (Electric Friction).....AA

**N. Y.—Brooklyn**  
Eddy & Co., Geo. M., 345 Classon Av. (Measuring; Linen; Cotton; Spring Pocket; Steel).....A

**New York City**  
Brixey, W. R., 208 Bway. (Insulating).....B

Conover Co., C. E. (Common).....D

Dresser & Olmstead (Common).....O

Johns-Manville Co., H. W., 100 William (Insulating; Asbestos Rubber) .AAAA

Keuffel & Esser Co., 127 Fulton (Steel; Metallic & Linen Measuring) ..AA

Mechanical Rubber Co., 22 Murray (Insulating)AAAA



**TAPS (Con.)**

Morse Twist Drill & Machine Co. (Blacksmiths'; Boiler Combined Drill & Reamer; Die; Hob; Machine Nut; Machine Screw; Machinists' Hand; Patch Bolt; Pulley; Stay Bolt; Stove Bolt; Tapper; Pipe) .....AAA

**MASS.—Wrentham**

Winter Bros. Co. (Blacksmiths'; Hob; Machine Screw; Machinists' Hand; Pulley; Stay Bolt; Stove Bolt; Tapper) .....X

**MICH.—Detroit**

American Tap Bush Co. (Beer) .....C

**MICH.—Lansing**

Western Tool Co. (Machine Screw; Machinists' Hand) .....F

**MO.—St. Louis**

St. Louis Screw Co., 3017 N. 13th (Bit Brace; Blacksmiths'; Boiler; Die; Machine Nut; Machine Screw; Machinists' Hand; Patch Bolt; Pulley; Stay Bolt; Stove Bolt) .....A

**N. J.—Newark**

Sommers' Sons, John (Ale; Cider) .....B

Williamson Wire Novelty Co., C. T. (Champagne) .....B

**N. J.—Paterson**

McNab & Horlin Mfg. Co. (Pipe) .....X

**N. Y.—Brooklyn**

U. S. Bung Mfg. Co. (Ale; Cider) .....A

**New York City**

Fairbanks Co. (Pipe) .....AAAA

**Golden Gate Mfg. Co.**

(Beer) .....X

Hall's Sons, Sam'l, 220 W. 10th .....A

**Haydenville Mfg. Co.**

(Champagne) .....A

Krieg & Co., J. K. (Shoe) .....B

Niles-Bement-Pond Co., 136 Liberty .....AAAA

Ricksecker Co., Theo. (Champagne) .....C

**N. Y.—Oswego**

Oswego Tool Co. (Patch Bolt; Stay Bolt) .....C

**N. Y.—Utica**

Utica Drop Forge & Tool Co. (Champagne) .....C

**N. Y.—Waterford**

Holroyd & Co. (Bit Brace; Blacksmiths' Combined Drill & Reamer; Hob; Machine Nut; Machine Screw; Machinists' Hand; Patch Bolt; Pulley; Stay Bolt; Tapper; Pipe; Bicycle) .....A

King & Co., J. M. (Machine Nut; Machine Screw; Machinists' Hand; Pipe) ...A

**N. Y.—Yonkers**

Saunders' Sons, D. ....A

**OHIO—Akron**

Whitman & Barnes Mfg. Co. (Bit Brace; Blacksmiths'; Boiler; Die; Machine Nut; Machine Screw; Machinists' Hand; Patch Bolt; Pulley; Stay Bolt) .....AAAA

**OHIO—Cincinnati**

Cincinnati Screw & Tap Co., 2442 Beekman (Blacksmiths'; Boiler; Die; Machine Nut; Machine Screw; Machinists' Hand; Patch Bolt; Pulley; Stay Bolt) .....B

**OHIO—Cleveland**

Acme Machinery Co. ....AA

Bishop & Babcock (Beer) .....AAA

Cleveland Faucet Co. (Beer) .....AAA

Cleveland Twist Drill Co. (Boiler; Machine Nut; Machinists' Hand; Pulley; Stay Bolt) .....A

**TAPS (Con.)**

Hart Mfg. Co., Wood & St. Clair (Machinists' Hand) .....B

National Screw & Tack Co. (Machine Screw) ....AA

Reliance Machine & Tool Co. ....C

Standard Tool Co. (Bit Brace; Boiler; Hob; Machine Nut; Machine Screw; Machinists' Hand; Pulley; Pipe) .....AAA

**PA.—Ellwood City**

Standard Engineering Co. ....AA

**PA.—Erie**

Hollands Mfg. Co. ....C

Jarecki Mfg. Co. ....AAAA

**PA.—Lancaster**

Champion Blower & Forge Co. (Blacksmiths') .....B

**PA.—Lebanon**

Amer. Iron & Steel Co. (Machine Nut) ....AAAA

**PA.—Millersburg**

Polk & Son, A. J. (Taper, etc.; Blacksmiths'; Combined Drill & Reamer; Hob; Machine Nut; Machine Screw; Machinists' Hand; Patch Bolt; Pulley; Stay Bolt; Stove Bolt; Tapper) .....D

**PA.—Philadelphia**

Hoopes & Townsend Co., 1330 Buttonwood (Machine Nut; Machinists' Hand) .....AAA

**R. I.—Pawtucket**

Carpenter Tap & Die Co., J. M. (Bit Brace; Blacksmiths'; Boiler; Die; Machine Nut; Machine Screw; Machinists' Hand; Patch Bolt; Pulley; Stay Bolt; Stove Bolt; Tapper) .....C

Haskell Mfg. Co., W. H. (Machine Nut; Machinists' Hand) .....A

Pawtucket Mfg. Co. (Blacksmiths'; Machine Nut; Machine Screw; Machinists' Hand; Patch Bolt; Pulley; Stay Bolt; Stove Bolt) .....A

**R. I.—Providence**

American Screw Co. (Machine Nut; Machine Screw) .....AAAA

**VT.—Derby Line**

Butterfield & Co. (Machine Nut; Machine Screw; Machinists' Hand; Pulley; Spindle Stay Bolt; Stay Bolt; Bicycle, etc.; Tapper) .....B

**VT.—Springfield**

Superior Tap Co. (Hob; Machine Nut; Machine Screw; Machinists' Hand; Patch Bolt; Pulley; Stay Bolt; Tapper) .....F

**WIS.—Milwaukee**

Pfisker & Vogel Leather Co. (Shoe) .....AAAA

**TAR****GA.—Savannah**

Shooter Co., S. P. (Marine) .....AAAA

**New York City**

Barett Mfg. Co. (Coal) .....AAAA

Hayne, H. J., 142 Front (Coal) .....D

Longman & Martinez, 207 Pearl (Vegetable) .....AAA

Sealy, Thomas, 142 Front (Coal; Vegetable) .....C

Warren Chemical & Mfg. Co., 17 Battery Pl. (Coal) .....A

**N. Y.—Syracuse**

Solway Process Co. (Coal) .....AAAA

**OHIO—Cincinnati**

Emery Candle Co. (Candle) .....AA

**PA.—Bradford**

Smith Chemical Co., A. B. (Vegetable) .....B

**TAR (Con.)**

**PA.—Erie**  
Watson Co., H. F. (Coal) AAA

**PA.—Philadelphia**  
Crew-Levick Co., 113 Arch (Coal) AAA  
Garrett & Sons, C. S. (Coal) AA

**PA.—Pittsburg**  
McClintock & Irvine (Coal) B

**VA.—Richmond**  
Armitage Mfg. Co. (Coal) B

**TARGETS**

**ILL.—Freeport**  
Arcade Mfg. Co. (Shooting) A

**MASS.—Boston**  
Dennison Mfg. Co. AAAA

**MO.—St. Louis**  
Kufferle, John C. (Cast Iron) AAA

**N. Y.—Herkimer**  
Quackenbush, H. M. (Flying; Clay; Steel) A

**TARLATANS . .**

**N. Y.—Valley Falls**  
Thompson & Co., Jas. AA

**TARPAULINS . .**

**CAL.—San Francisco**  
Nelville & Co. A

**GA.—Dalton**  
Smith, M. D. & H. L. D

**ILL.—Chicago**  
Cook & Bro., E. C. A

**Iroquois Bag & Oil Co. X**

**MO.—St. Louis**  
Missouri Tent & Awning Co. B

**Morrison Tent & Awning Co. O**

**Zeltlosen Mfg. Co. B**

**New York City**  
Abercrombie & Litch, 314 B'way O

**Boyle & Co., John, 112 Duane AA**

**McHugh, Jno. F. C**

**Rehm & Co., 141 Fulton D**

**Skelton, Fred D**

**Standard Oiled Clothing Co. E**

**OHIO—Cincinnati**  
Patton Co., R. J. B

**OHIO—Cleveland**  
Wagner Mfg. Co. C

**TARTAR:**

**CREAM**

**CAL.—Fresno**  
California Products Co. X

**CAL.—San Francisco**  
Amer. Cream of Tartar Co. A

**Horstman Co., Jno. B**

**Tyler & Son, S. H. C**

**ILL.—Chicago**  
Thompson & Taylor Spice Co. AA

**IND.—South Bend**  
Russ Co. (The) C

**MASS.—Boston**  
Slade Co., D. & L., (The) A

**Slickney & Poor Spice Co. AA**

**N. J.—Jersey City**  
Tartar Chem. Co. AAA

**N. Y.—Brooklyn**  
Amer. Tartar Co. AA

**New York City**  
Archibald & Lewis C

**Condon & Co., T. F. O**

**Gillies & Co., E. J. AA**

**Havens, Jno. R. F**

**Jones Chem. Wks., Enos. F. B**

**Wood & Selick (Inc.) A**

**N. Y.—Utica**  
Hinman, F. C. F

**TASSELS:**

**SILK, ETC.**

See Trimmings: Upholstery

**TEAS, COFFEES & SPICES**

**CAL.—San Francisco**

Blanchard & Page, 623 Sansome (Bkrs. T.) B

Bloom Bros., Hayward Bldg. (Imp. C.) AA

Brandenstein & Co., M. J., 118 Mkt. (Imp. T., C., & S.) AAAA

Burr & Co., C. C., 2111 Stockton (M., S.) A

Castle Bros., 463 Mission (Whol. T. & Coffee) AA

Dieckmann & Co., 421 Mkt. (Imp. C.) A

Huddleston & Co., H., 52 Mkt. (Imp. T.) AA

Jones, Paddock & Co., 26 Tremont (T., C. & S.) AAA

Leege & Haskins, 3 Front (C., T. Mills) A

McCarthy Bros., 113 Front (T., C., S. Mills) A

Macondray & Co., 116 Cal. (Imp. T.) B

Mau Sadler & Co., 88 Stuart (Imp.) A

Mitchalltschke Bros. & Co., 410 Mkt. (Imp. C.) AA

Montealegre & Co., 230 Cal. (Imp. C.) B

Moore & Co., Geo. A., 208 Cal. (Imp. C.) B

Otis, McAllister & Co., 109 Cal. (Imp. C.) A

Parrott & Co., 306 Cal. (Com. C.) A

Schilling & Co., A., 2d & Folsom (Whol. T., C. & S.) AAAA

Schwartz Bros., 421 Mkt. (Imp. Whol. C.) AAAA

Sherwood & Sherwood, 212 Mkt. (Imp. T., C., & S.) AAAA

Slegfried & Co., Jno. C., 202 Mkt. (Whol. T.) A

Urloste & Co., 202 Mkt. (Whol. C.) AA

**COLO.—Denver**  
Morey Mills, 16th & Wynkoop (T., C., S.) AAAA

**GA.—Atlanta**  
South Coffee & Spice Mills D

A. I. C. Coffee Co., 21 River (Imp. & Job. C.) A

Atwood & Steele, 18 River (C. & S.) C

Bell & Co., 62 Mich. Av. (Whol. C.) A

Cafetal Co., Carlota, 21 Monroe (Whol. C.) A

Coward & Co., J. H., 3 Lake Whol. T., C., S.) A

Doane & Co., 25 Wabash Av., (Pr. N. Y. City) (Imp. C., T.) X

Fisher, Hart C., 20 Mich. Av. (T.) A

Gottlieb & Co., M., 34 Wabash Av. (Imp. T.) C

Hayes & Co., J. E., 57 So. Water (Imp. Job & Roast C.) C

Hellyer & Co., 19 Wabash Av. (Imp. T.) AA

Hunt & Co., 34 Wabash Av. (Imp. T.) A

Irwin McBride & Co., 47 Mich. Av. (Imp. T.) AA

Jaques, Tea Co., Frank F., 41 River (Imp. & Job.) B

McLaughlin & Co., W. F., 82 S. Water (Phg. C. & S.) AAAA

Marshall & Co., F. O., 217 Kinzie (Whol. & Imp. C.) C

Martin & Co., N., 46 S. Water (Whol. T., S.) AA

Millar & Co., E. B., 45 Mich. Av. (Whol. T. C. S.) A

Morrell & Co., C. A., 87 Mich. Av. (Whol. T.) AA

Murray & Nickell Mfg. Co., 147-155 W. Polk (S. Mills) B

**TEAS, COFFEES, &C.**  
Quinn & Co. J. T., 40  
Dearborn (Whol. T.)...B  
Sherer Bros. Co., 33 River  
(W. C. & T. & Millers S.)  
B  
Sherman Bros. & Co., 22 S.  
Water (Whol. C., T., S.)  
A  
Siegfried & Co., Jno. C.,  
5 Lake (Imp.).....A  
Sprague, Warner & Co.,  
Rand & Mich. Aves. (Job,  
C., T., S.).....AAAA  
Thomson & Taylor Spice  
Co., 68 Mich. Av. (Whol.  
T., C., S.).....AAA  
Wallace & Co., 39 River  
(T.).....B  
Wichert Co., H., 1205 St.  
Paulina (S.).....C  
**KY.—Louisville**  
Dinkelspiel Sons, S. (Gin-  
seng Sp.).....AA  
Louisville Spice Mills, 148  
5th.....F  
Southern Coffee Co., 207 W.  
Main (C. Roast).....A  
Southern Molasses & Coffee  
Co., 110 3d.....D  
**LA.—New Orleans**  
Aron & Co., J., 416 Poydras  
(Imp.).....A  
Cage, Drew & Co., 419 S.  
Front (Whol. C.).....B  
Dittmann, C., 628 Gravier  
(Com. C.).....C  
Hard & Rand (Br.), 300  
Magazine (mp. & Job C.)  
AAAA  
Israel Leon, 417 Poydras  
(C.).....B  
Merchants Coffee Co. of N.  
O., 211 S. Peters (Whol.  
C.).....B  
New Orleans Coffee Co.,  
(Ltd.), 206 Fulton (Job,  
Imp. & C. Roast).....A  
Relly, Taylor & Co., 413 S.  
Peters (Roast C. & Imp.  
T.).....C  
Schmidt & Ziegler (Imp. C.)  
AAA  
Smith Bros. & Co., (Ltd)  
(Job & C. Roast).....AAA  
Westfeldt Bros. 621 Gra-  
vier (Imp. & Com. Co.)...A  
**MD.—Baltimore**  
Enterprise Coffee Co., 421  
Exch. Pl. (Impts. & C.  
Roast).....A  
Gillett, Martin & Co., 308  
Exch. Pl. (Imp. T.)....A  
Hoffman, Lee & Co., Don-  
nell Bldg. (Imp. C.)....B  
Hook & Co., 612 Forrest  
(Whol. T., C. Roast)...B  
Levering & Co., E., 102  
Com. (Impts. & C. Roast)  
AAA  
Levering Bros., 107 Com.  
(W. Coffee).....C  
Lurman & Co., Theo. G.,  
100 S. Gay (Imp. C.)...A  
McCormick & Co., 44 S.  
Chas (Imp. & Gdrs. Sp.)  
C  
Merchants Coffee Co., 513  
E. Lombard (Job. & C.  
Roast).....B  
Parrish Bros., 115-117 E.  
Lombard (Impts. T. &  
Spice Grinding).....B  
Read & Co., C., 113 S. Fk'd  
(Whol. T., C., S.)....C  
Rollins, T., 421 Exch. Pl.  
(Imp. C.).....A  
Sanders & George, 26 E.  
Lombard (Whol. T.)...A  
Taylor & Levering, 109  
Com. (Imp. C.).....A  
**MASS.—Boston**  
Brayton & Co., L., 217  
State (Whol. T. & C.)...A  
Chase & Sanborn, 87 Brood  
(Imp. & Pkg. T. & C.)  
AAAA  
Clark, Coggin & Johnson  
Co., 202 State (Imp. &  
Roast C.).....C  
Dwinnill Wright & Co., 45  
Battery March (Imps. C.,  
S.).....AAA  
Fay, T. R., 70 Kilby (Imp.

**TEAS, COFFEES, &C.**  
T.).....B  
Goodridge & Co., 34 S. Mkt.  
(T. & C.).....B  
Matherson, S., Jr., 32 Brood  
(Bkr. C.).....A  
Montgomery & Aull, 84  
Brood (Whol. T.).....B  
Nash & Hopkins, 32 Brood  
(Impt. T.).....B  
National Coffee Co., 498  
Commercial (C.).....B  
Quimby Co., W. S., 69 S.  
Mkt. (Imp. & Job. T. C.)  
B  
Robinson & Woodworth, 28  
Brood (Whol. C., T.)...B  
Shapleigh Cofftt Co., 36  
Brood (Job. C.).....B  
Slade Co., D. & L., 13 India  
(Imp. & Mrs. S.).....A  
Spurr Coffee Co., H. W., 23  
Commercial.....AA  
Stickney & Poor Spice Co.,  
184 State (S.).....AA  
Swain, Eearle & Co., 36  
Com'l (Whol. T., C.)...AA  
Tenney & Co., Wm. P., 161  
Milk.....A  
Williams & Hall, 30 Broad  
(T.).....A  
Winslow, Rand & Watson,  
199 State (Whol. C., T.)  
A  
**MICH.—Detroit**  
Farrand, Williams & Clark,  
11 Larned.....AAA  
Gehlert Coffee Co., 59 Jef-  
ferson Av. ....C  
Lafar Bros., 9 Cadillac Av.  
(T. & C.).....C  
Soudan Mills, 138 Larned  
(C. & S.).....A  
**MINN.—Minneapolis**  
Baker & Co., 214 N. 2d  
(Imp. & Roast C.).....B  
Strait & Co., H. B., 106 2d  
Av. N. (Whol. T., C. & S.)  
B  
**MINN.—St. Paul**  
McCormick, Behnke & Co.,  
233 E. 4th (Whol. T., C.,  
S.).....A  
**MO.—Kansas City**  
Merrill & Merrill, 335 New  
Ridge Bldg. (Whol. O. &  
T.).....B  
Murdock Mfg. Co., C. A.,  
1225 Union Av. (Whol. T.  
& S.).....A  
Pope, J. Wm., New Ridge  
Bld. (Impt. T. & C.)...C  
**MO.—St. Louis**  
Blanke Tea & Coffee Co.,  
P. F., Clarke Av. & 7th  
AA  
Forbes Bros. & Co., 509 N.  
2d (T., C., S.).....A  
Forbes, J. H., 112 Locust  
(Whol. T., C., S.)....A  
Gregg Tea & Coffee Co., C.  
D., 7th & Elm (Whol. T.,  
C., S.).....C  
Hanley & Kinsella Coffee  
& Spice Co., 713 Spruce  
(T., C., S.).....AA  
Menown & Gregory, 414 N.  
2d (Whol. T., C., S.)...C  
Meyer Bros. Coffee & Spice  
Co., 21 W. Main (Whol.  
T., C., S.).....C  
Nash-Smith Tea & Coffee  
Co., 916 N. 6th (Whol. T.,  
C., S.).....A  
Roth, Homeyer Coffee Co.,  
517 N. 2d (Whol. T., C.,  
S.).....B  
St. Louis Coffee & Spice  
Mills, 407 N. Main....D  
Steinwender-Stoffregan Cor-  
fee Co., 12 S. 7th (Imp.  
T., C.).....AAA  
Weston Tea & Spice Co.,  
Edw., 1000 Clark Av....A  
**N. Y.—Brooklyn**  
Amer. Coffee Co., ft.  
Metropolitan Av. ....A  
Bohn & Co., A. W., 50  
Wash'n Av (Whol. T., C.,  
S.).....B  
James & Bro., D. R., 89  
Furman.....AA  
**N. Y.—Buffalo**  
Cumpson-Prentiss Coffee

TEAS, COFFEES, &C.		TEAS, COFFEES, &C.	
Co., 98 Mich.....	B	Eppens, Smith Wiemans	
Witkop & Holmes, 274		Co., 271 Wash (Whol. C.)	AA
Genesee (T. & C.) ....	C	Ertheller & Son, M., 172	
New York City		Water (Bkr.).....	B
Aborn & Cushman, 103		Farrington Co., G. B., 141	
Front (Bkr. C.).....	C	Front (Impts. T.).....	A
Acton, Angell & Co., 171		Fischer & Co., B., 395	
Front (Whol. T., C. & S.)	AA	G'wich (Whol. T., C. & S.)	AAAA
Amer. Coffee Co., 117 Wall		Fitzpatrick & Co., A. C.,	
(Whol. C.) .....	A	156 Chambers (C., T., S.	
Arb & Co., E. J., 53 E.		Mills .....	B
9th (Impts. C.).....	B	Formosa Trdg. Co., 96	
Arbuckle Bros., 71 Water		Front, (T.) .....	AA
(Imp. & Pkgs. C.).....	AAAA	Fuerst Bros. & Co., 2 Stone	
Archibald & Lewis, 193		(Cassia) .....	D
Front (Impts. S.).....	C	German & Co., L., 136 Water	
Armstrong, J. E., 197 Cham-		ber (Imp. & Bkr's S.)....	A
bers (Whol. T., C., S.)	B	Gillies & Co., E. J., 245	
Arnold, Dorr & Co., 109		Wash'n (C. Roast, T., S.)	AA
Front (Bkrs. C.).....	B	Gillies Coffee Co., (Whol.	
Arnold & Aborn, 39 Old		& C. Roast) .....	A
Slip (Whol. T., C.)....	A	Glynn & Co., M. J., 76	
Baker & Co., H. M., 100		Front (Whol. C. T.)....	A
Front (Whol. & Impts. C.)	AA	Gordon, F. P., 99 Wall	
Banks & Parsons, 93 Front		(Bkr. C.) .....	B
(C.) .....	C	Green & Son, Volney, 112	
Banks & Co., H. W., 103		Front (C. Bkrs.).....	B
Front (Whol. T., C.)..	AA	Gunning & Holmes, 398	
Bayne & Davison, 97 Front		G'wich (Whol. T.).....	C
(Imp. & Job. C.).....	AA	Hard & Rand, 107 Wall	
Bayne & Co., W., 95 Front		(Imp. C.) .....	AAAA
(Impts. & Job. C.)....	A	Harris Coffee Co., 260 Front	
Beard & Co., S. S., 180		(Imp. C.).....	AAAA
Duane (Impts. C. T. S.)	A	Harris, L. A., 136 Front	
Bennett, Sloane & Co., 101		(Imp. & Job. T. & C.)..	C
Wall (Whol. T., C.)..	AA	Hewlett & Lee, 101 Wall	
Berry-Hall Co., 104 Water		(Com. & Impts. T.)....	A
(T., C. & S.) .....	B	Hill, R., Jr., 39 Old Slip	
Blanke Tea & Coffee Co., C		(T.) .....	B
F., 44 Hudson (Whol. C.		Hilliers Son Co., R., 100	
T.) .....	A	William (Bkr. S.).....	A
Bloom & Co., David, 66		Hills Bros. Co., 99 Wall	
Beaver (Imp. C.) ....	AA	(Bkr. C.) .....	AA
Bloom Bros., 66 Beaver		Hunt & Co., 138 Front	
(Imp. C.) .....	AA	(Whol. T.) .....	C
Brandenstein & Co., M. J.,		International Coffee Co.,	
96 Wall (Roast & Ground		260 Front (Roast).....	AAAA
Coffee & Imp. T.).....	AAAA	Irving & Co., G. G., A. E.,	
Brown & Co., Jno. B., 142		90 Front (Imp. T.)....	C
Front (Imp. C.).....	B	Irwin, McBride & Co. (T)	
Browning & Baines, 81 No.		90 Wall .....	AAA
Moore (Imp. C.).....	B	Israel, Leon (C.) 113 Wall	
Burchard & Co., 265 Wash.		(C) .....	C
(Whol. C., T. & S.)....	B	Jahn & Co., G. A. (Impts.	
Buttfield, W. J., 90 Wall		C.) 98 Wall .....	B
(W. & Impt. T.).....	A	James & Bro., D. R. (S.)	
Buttler & Co., R., 623 Hud-		123 Malden Lane.....	AA
son (Whol. C., T., S.)..	B	Japan Tea Exptg. Co., 96	
Carter, Macey & Co., 106		Front .....	AA
Water (Impt. T.).....	AAA	Johnson Coffee Co. (Wh. T.	
Central Amer. Trading Co.,		& C.) 83 Water .....	B
(Ltd.), 109 Front (Imp.		Labaree & Co., J. H. (Wh.	
C.) .....	B	C.) 125 Front .....	A
Champion & Standinger, 124		Lane & Co., G. W. (Wh.	
Pearl (Whol. C., T., S.)	A	Imp. T.) 93 Front.....	A
China & Japan Trading Co.,		Lewisohn Bros. (C.) 92	
32 Burling Slip (Imp. T.)	AAA	Front .....	AAAA
Clarke, John, 126 Front		Lipton, T. J. (Imp.) 39	
(Bkr. S.) .....	C	Pearl .....	AAAA
Consumers Coffee Co., 169		Littlejohn & Co., L. (Imp.	
Reade .....	B	S.) 136 Front .....	A
Creighton & Ashland, 87		London & Johnson (Wh. C.	
Wall (Imp. C.).....	B	T.) 181 Chambers.....	A
Crooks & Co., R., 136		Marquardt & Co., H. (Com.	
Front (Imp. C., S.)....	AA	C.) 35 S. Williams.....	A
Crossman & Bro., W. H., 77		Materne & Hess (Bkrs. S.)	
Broad (Impts. C.).....	AAAA	165 Duane .....	B
Cruikshank & Co., D. P., 7		Mead & Co., F. (Imp. T.)	
Front (Imp. S.).....	A	104 Water .....	AAAA
Dean & Son, W. G., 361		Meehan & Co., P. C. (Bkr.	
Wash'n (Mfg. S.).....	A	C.) 96 Front .....	B
Dixon, F. J., 458 G'wich		Mitchell Bros. (Wh. C.) 110	
(Whol. T. & C.).....	B	Water .....	A
Doane & Co., J. W., 87		Montanye & Co., W. H.	
Front (Whol. & Imp. C.,		(Mills C. T. S.) 64 Bar-	
T., S.) .....	AAAA	clay .....	A
Dooley, Smith & Co., 135		Montgomery Auction & Com.	
Front (Imp. C.).....	B	Co. (T.) (Auctions) 132	
Duryee & Barwise, 107		Front .....	B
Water (Bkr. T.).....	C	Montgomery & Co., J. & J.	
Durkee & Co., E. R., 534		R. (Bkr. T.) 127 Water	A
Wash'n .....	A	Montgomery & Aull (Wh.	
Elmenhorst & Co., 94 Wall		C. T.) 102 Front .....	A
(Com. C. & S.) .....	A	Morrison, Cornelius (Bkr.	
Emmans & Co., John, 93		C.) 89 Wall .....	A
Water (Whol. T.).....	B	Morss, Opdyke & Co. (Wh.	
		C. T.) 339 Greenwich..	A
		Nordlinger & Co., H. (C.	

# TEAS, COFFEES, &C.

S.) 81 Front .....A  
O'Donohue Coffee Co. (Imp.  
C.) 104 Wall .....B  
O'Donohue's Sons, J. (Imp.  
C.) 88 Front .....AAAA  
O'Donohue Sons, J. J. (Imp.  
C.) 101 Front .....AAAA  
Osborn & Co., E. M. (Imp.  
T.) 104 Front .....B  
Palmer & Co., H. H. (Bkrs.  
C. T.) 43 Harrison.....A  
Paterson Boardman Co. (S.)  
8 Bridge .....AAA  
Peck, E. H. & W. J.  
(Imptrs. C.) 28 Old Slip  
AA  
Phipps & Co., J. L. (Imptrs.  
C.) 82 Wall .....A  
Phyfe & Co., J. W. (Imp.  
C. S.) 121 Front.....AA  
Pustan & Co., C. W. (S.)  
90 Wall .....A  
Recknagel & Son, J. H.  
(Bkrs. S.) 90 Wall.....A  
Robertson, A. R. (Imp.  
Ceylon T.) 188 Front...C  
Rolooff & Lappin (Roast C.)  
188 Duane .....B  
Russell & Co. (Imp. T.) 94  
Front .....A  
Scotts Son & Co., Wm. (C.  
Bkrs.) 107 Front .....A  
Schramm, Arnold (C. Bkr.)  
87 Front .....B  
Seggerman Bros. (C. Bkr.)  
108 Front .....B  
Shaw & Co., D. A. (S.) 69  
Pine .....B  
Smith, Baker & Co. (Imptrs.  
Agts.) Water & Pearl  
AA  
Smith & Schipper (Bkrs. T.  
& C.) 188 Front .....C  
Smith & Walbridge (Imp.  
C.) 111 Front .....A  
Somervilles' Sons, Wm.  
(Imp. C.) 188 John.....B  
Steinwender, Stoffregen &  
Co. (Imp. C.) 87 Wall  
AAAA  
Stumpp, A. (W. C.) 90  
Wall .....B  
Taylor & Co., J. H. (Imp.  
C.) 107 Front .....A  
Tetley & Co., Jos. (T) 18  
White .....AAAA  
Thomas & Turner (Imp. C.)  
181 Duane .....B  
Thorn, H. C. (Bkr. T) 97  
Wall .....A  
Tropic Tea & Coffee Co.  
(Imp. P. & C.) 103 Water  
B  
Turnbull & Co., J. G. (Wh.  
C. T.) 296 Pearl .....B  
Turner Bros. (Bkrs. T.)  
120 Front .....B  
Upham Bros. (Imp. C.) 197  
Chambers .....B  
Van Loan, Maguire & Gaff-  
ney (C. S. Roast &  
Grinders) 64 N. Moore..A  
Vickers Sons, P. (T.) 182  
Water .....A  
Weir & Co., R. W. (Imp.  
T. C.) 60 Front .....AA  
Wells Bros. (Imp. C.) 181  
Front .....A  
Weyl & Co., G. C. (Bkrs.  
C.) 99 Front .....B  
Whittall & Co. (Wh. T.)  
188 Front .....A  
Wilde Sons Co., Sam'l, 13  
Dutch .....A  
Willard & Co., E. A. (Bkr.  
T.) 24 State .....C  
Williams, Russell & Co.  
(Bkrs. C.) 101 Front...AA  
M. Y.—Rochester  
French & Co., R. T. (S.)..A  
OHIO—Cincinnati  
Bour Co., J. M. (C. T. S.)  
204 Main .....B  
Droste & Co., H. R. (Mills  
C. T. S.) 828 E. 2nd...A  
Frank Tea & Spice Co., 20  
W. 2nd .....C  
Harrison & Co., W. H. (C.  
S.) 17 E. 2nd .....C  
Heekin & Co., Jas. (C. T.  
S.) Walnut & Water....A  
Heekin Spice Co. (C. S.)

# TEAS, COFFEES, &C.

85 Main .....C  
Hiluz, F. W. (C. T. S.) 80  
W. 2nd .....B  
Kenton Bak. Prod. Co.  
(Mills C. T. S.) 826 E.  
3rd .....A  
Koenig & Co., J. Hy. (C. T.  
S.) 215 Vine .....C  
Ullman, Drefus & Co. (Wh.  
T.) 230 E. 5th .....B  
Von der Hoya & Co., F.  
(T.) 1108 Walnut .....B  
OHIO—Cleveland  
Bennett-Sloan-Gage Co., 147  
Sheriff .....AA  
Smith & Co., S. C. (Wh. T.  
C. S.) 192 Bank .....AA  
Widlar & Co., Francis (Wh.  
C. T. S.).....AA  
OHIO—Columbus  
Andrus, Scofield & Co. (T.  
C. & S.) 42 W. State...C  
Ohio Coffee & Spice Co....C  
OHIO—Dayton  
Canby, Arch & Canby (C.  
S.) 508 E. 3rd.....AAAA  
Dayton Spice Mills Co. (C.  
S.) .....A  
Ware Coffee Co., C. F. (Wh.  
C. & S.) .....A  
OHIO—Toledo  
Bour Co., J. M. (T. C. & S.)  
113 Ontario .....B  
Woolson Spice Co. (C. S.  
Pkg. & Roast).....AAAA  
PA.—Philadelphia  
Aull & Co., James A. (Wh.  
C. T.) 9 S. Front .....AA  
Carter, Macy & Co. (Br.)  
(Imp. T.) 87 S. Front  
AAAA  
Clawson Co. (Spices) 45 E.  
2nd .....C  
Colburn Co., A. (Spices) 110  
N. 2nd .....AA  
Divnie & Co., Clemens M.  
(Wh. T. & C.) 26 So.  
Front .....B  
Heraty Co., E. J. (Wh. T.)  
121 S. Front .....A  
Hill & Sons, Wm. (Imp. &  
Job.) 210 Dickinson...B  
Irwin, McBride & Co. (Imp.  
T.) 50 So. Front.....AA  
Knight, Coane & Churchill  
(Ltd.) (Imp. C.) 36 So.  
Front .....C  
Middleton Co. (C. Roast;  
Wh. T.) 19 S. 2nd.....A  
Parke & Co., L. H. (Wh.  
C. T. S.) 232 Market...A  
Roberts & Co., Thomas  
(Imp. Roast Co.) 116 S.  
Front .....AAA  
Rodgers Sons, P. (Whol. T.)  
43 So. Front .....A  
Rulon & Sons, J. W. (S.)  
32 No. Front .....A  
Sower, McEvoy & Co. (C.  
Imp.) 118 So. Front...AA  
Sutton & Vansant (C. Job.  
Imp.) 120 So. Front...AA  
Thayer & Co., P. W. (T.)  
23 So. Front .....B  
Welkel & Smith Spice Co.  
(C. S.) 129 N. Front...A  
PA.—Pittsburg  
New York & Pittsburg Caf-  
fee Co., 941 Liberty Av.  
E  
Young, Mahood & Co. (Wh.  
C. T. S.) 935 Liberty Av.  
A  
TENN.—Chattanooga  
Stagmaier & Fletcher  
(Roast Mills; C. P.)....A  
TENN.—Nashville  
Nashville Coffee Roasting  
& Imp. Co. (Wh. C.)...B  
Thomas & Son, J. W. (W.  
C. T. S.) .....B  
W. VA.—Wheeling  
Wheeling Coffee & Spice  
Co. ....D  
WIS.—Milwaukee  
Grossman & Co., Wm. (Job.  
T. C. & S.) 274 E. Water  
C  
Jewett & Sherman Co. (Wh.  
C. T.) 289 B'way.....A



# **TEDDERS: HAY**

See Agr. Imps

## **TEES**

See also Angles & Iron & Steel

**ILL.—Chicago**  
Illinois Malleable Iron Co. (Suchon) .....AAAA  
**N. J.—Newark**  
McIntire Co., C. (for underground construction).D  
**OHIO—Dayton**  
Dayton Malleable Iron Co. (Chain) .....AA  
**PA.—Harrisburg**  
Harrisburg Pipe Bending Co. (Ltd.) (Suction) AA  
**PA.—New Castle**  
New Castle Forge & Bolt Co. (Chain) .....A  
**PA.—Philadelphia**  
Watson & McDaniels (Suction) .....C

## **TEETH**

**CAL.—San Jose**  
Christian, Jno. (Thresher) D  
**CONN.—Derby**  
Shelton Co. (Cider Mill)...A  
**ILL.—Canton**  
Parlin & Orendorff Co. (Harrow; Cultivator) .....AAAA  
**ILL.—Chicago**  
Gibson Co., Wm. D., 23 N. Clinton (Hay Loader) ..B  
Inland Steel Co., 204 Dearborn (Harrow; Steel) .....AAAA  
Republic Iron & Steel Co. (Harrow) .....AAAA  
**ILL.—Peoria**  
Avery Mfg. Co. (Thresher) A  
Herschel Mfg. Co., R. (Harrow) .....A  
**MASS.—Millville**  
Holman, Isaac T. (Picker) G  
**MASS.—Worcester**  
Morgan Spring Co. (Hay Loader) .....B  
**MICH.—Kalamazoo**  
Harrow Spring Co. (Harrow; Cultivator; Hay Loader; Hay Rake; Rake; Bundle Carrier; Hay Tedder) .....B  
**MICH.—Lansing**  
Bement & Sons, E. (Cultivator) .....AAAA  
**MICH.—Port Huron**  
Port Huron Engine & Thresher Co. (Thresher) .....AAAA  
**MICH.—St. Johns**  
Mason & Co., F. C. (Spring Spike Harrow) .....C  
**MINN.—Minneapolis**  
Howell & Co., R. R. (Thresher) .....B  
**N. J.—Grenloch**  
Bateman Mfg. Co. (Cultivator) .....A  
**N. J.—Newark**  
Crabb & Co., Wm. (Picker) B  
**N. Y.—Leonardsville**  
Babcock Mfg. Co. (Harrow) .....D  
**N. Y.—Mt. Morris**  
Genesee Valley Mfg. Co. (Harrow) .....B  
**N. Y.—Munnsville**  
Munnsville Plow Co. (Harrow) .....C  
New York City Consolidated Dental Mfg. Co., 115 W. 42d (Artificial) .....B  
**N. Y.—Tonawanda**  
Buffalo Steel Co. (Harrow) AA  
**OHIO—Akron**  
Akron Machine Co. (Thresher) .....C  
Whitman & Barnes Mfg. Co. (Harrow; Cultivator;

## **TEETH (Con.)**

Hay Loader; Thresher) AAAA  
**OHIO—Alliance**  
Transue & Williams Co. (Drop Forged Thresher) A  
**PA.—Chester**  
Keystone Drop Forge Wks. (for Crusher Rolls; Picker; Coal Breaker; Threshing Machine) .....A  
**PA.—Johnstown**  
Cambria Steel Co. (Harrow; Cultivator; Rake) .....B  
**PA.—Philadelphia**  
Allen & Co., S. L., 1017 Market (Cultivator) ..AA  
Johnson & Lund (Artificial) AA  
Justi & Sons, H. D. (Artificial) .....AA  
Kusel, Hy. F., 248 S. 11th (Artificial) .....F  
Penna. Dental Mfg. Co. (Artificial) .....D  
Sibley, Gideon (Artificial) AA  
White Dental Mfg. Co., S. S. (Artificial) .....AAAA  
**PA.—Pittsburg**  
Lanz & Sons, M., 101 S. 29th (Harrow) .....B  
**PA.—Scranton**  
Scranton Forging Co. (for Boal or Salt Crusher Rolls) .....A  
**PA.—York**  
Farquhar Co. (Ltd.), A. B. (Cultivator) .....AAA  
Hench & Drongold Co. (Harrow; Cultivator) .....A  
R. I.—Providence  
Rhode Island Tool Co. (Thresher) .....AAA  
**VA.—Norfolk**  
White & Bro., S. R. (Harrow) .....A  
**VA.—Richmond**  
Old Dominion Iron & Nail Works Co. (Harrow)...A  
**WIS.—Madison**  
Fuller & Johnson Mfg. Co. (Harrow) .....AA  
**WIS.—Racine**  
Case Threshing Machine Co., J. J. (Thresher)...AAAA  
Herrick, H. F. (Thresher) D

## **TELEPHONES**

**CONN.—Meriden**  
Connecticut Telephone & Electric Co. ....C  
**CONN.—New Haven**  
Burgess, E. A., 67 Court..E  
**DEL.—Wilmington**  
Garrett, Miller & Co., 4th & Orange .....D  
**GA.—Atlanta**  
Wotton Electric & Mfg. Co., 52 Greenwood Av. ....B  
**ILL.—Chicago**  
Ackerman & Co., Chas. N., 287 Elm (Inter-Communicating) .....E  
Acme Electric Co., 194 S. Clinton (Interior) ....H  
Altman & Co., 69 Dearborn (Interior; Automatic Inter-Communicating) X  
American Electric Telephone Co., 36 W. Jackson Boul. (Electric) .....B  
Automatic Electric Co., Morgan & Van Buren .....AAAA  
Cook, Frank B. ....B  
Electric Appliance Co., 92 Van Buren .....B  
Farr Telephone & Construction Supply Co., 118 W. Jackson Boul. ....D  
Globe Automatic Telephone Co., 153 W. Jackson Boul. X  
International Telephone Mfg. Co., Harrison & Clinton .....X  
Kellogg Switchboard Supply Co., Green & Congress.AA

**TELEPHONES (Con.)**

Monarch Telephone Mfg. Co., 14 S. Clinton .....D  
 Stromberg-Carlson Telephone Mfg. Co., 72 W. Jackson Boul. ....AAAA  
 Swedish-American Telephone Co., 76 W. Jackson Boul. ....A  
 Western Telephone Mfg. Co., Fisher Bldg. ....B  
**IND.—Elkhart**  
 Chicago Telephone Supply Co. ....A  
**IND.—Indianapolis**  
 Elliott, Larkin V., 520 Mass. Av. ....F  
 McQuat, Robt. L. ....X  
**IND.—Kokomo**  
 Kokomo Telephone & Electric Mfg. Co. ....F  
**IND.—Lafayette**  
 Sterling Electric Co. ....AA  
**IOWA—Burlington**  
 Modern Electric Co. ....E  
**IOWA—Sioux City**  
 Electric Supply Co. ....E  
**MD.—Baltimore**  
 Vladnet Mfg. Co., 10 S. Howard .....X  
**MASS.—Boston**  
 Couch Co., S. H., 156 Pearl Couch & Seeley Co., 26 Binford .....C  
 Electric Gas Lighting Co., 195 Devonshire .....A  
 Tucker & Co., Frank S., 1 Hartford .....H  
**MASS.—Brookline**  
 Holtzer-Cabot Electric Co. ....A  
**MICH.—Caro**  
 Moore Telephone Mfg. Co. ....D  
**MICH.—Monroe**  
 Stoddard Telephone Construction Co. ....X  
**MINN.—South Minneapolis**  
 Minnesota Electric Co., 309 2d Av. ....D  
**MO.—Kansas City**  
 Hodge-Walsh Electric Engineering Co., 701 Delaware Av. ....C  
**MO.—St. Louis**  
 Central Telephone & Electric Co., 909 Market....D  
 Commercial Electrical Supply Co., 1007 Market....B  
 Kusel, David A., 1119 Pine .....E  
**N. J.—Weehawken**  
 Schmidt Telephone Mfg. Co., 325 B'way (Exterior: Long Distance) .....X  
**N. Y.—Buffalo**  
 Century Telephone Construction Co., Elliott Bldg....A  
 Wilhelm Telephone Mfg. Co., 45 N. Division ....X  
**N. Y.—Mt. Vernon**  
 West Electric Co. ....H  
**New York City**  
 American Watchman's Time Detector Co., 234 B'way (Interior) .....X  
 Bunnell & Co., J. H., 20 Park Pl. ....B  
 De Vean Telephone Mfg. Co., 27 Rose (Automatic Switchless) .....R  
 Ericsson Telephone Co., 296 B'way (Ericsson System Interior) .....D  
 Kinsman Electric & Railway Supply Co., 91 Liberty .....E  
 Manhattan Electrical Supply Co., 32 Cortlandt (Interior) .....AA  
 New York Telephone Co., 18 Cortlandt (Interior) .....AAAA  
 Pattenzell, Son & Co., C. E., 51 Chiff .....X  
 Pettes & Randall, 150 Nassau .....F  
 Spencer Electrical Co., 163 Greenwich .....D  
**N. Y.—Utica**  
 Utica Fire Alarm Telegraph Co. ....B

**TELEPHONES (Con.)**

**OHIO—Akron**  
 Garl Electric Co. (Interior: Inter-Communicating Long Distance; Inter-Communicating; Desk; Hotel; Factory; Store; Portable Street Railway, &c.) .....F  
**OHIO—Cincinnati**  
 Electrical Appliance Co., 132 Opera Pl. ....E  
 Fitzsimmons Telephone Mfg. Co., 5th & Sycamore....F  
 Simplex Interior Telephone Co., 19 E. 3d .....Standard Electric Co., 113 W. 3d .....B  
**OHIO—Cleveland**  
 North Electric Co., 149 St. Clair .....A  
 Ohio Electric Works .....D  
 Williams - Abbott Electric Co. ....B  
**OHIO—Elyria**  
 American Construction & Trading Co. ....AA  
 Rawson Electric Co. ....B  
**OHIO—Piqua**  
 American Mach. Telephone Co. ....X  
**PA.—Allegheny**  
 Hipwell Mfg. Co., 831 North Av. ....D  
**PA.—Philadelphia**  
 Atwater-Kent Mfg. Works, 49 N. 6th .....F  
 Novelty Electric Co., 52 N. 4th .....C  
 Pullen Electric Co., Leon H., 618 Chestnut .....F  
**PA.—Pittsburg**  
 Keystone Electric Telephone Co., 565 Diamond Av....B  
**PA.—West Chester**  
 Eastern Telephone Mfg. Co. ....A  
**R. I.—Pawtucket**  
 Bliss Mfg. Co., R. (Toy) AAA  
**R. I.—Providence**  
 Clark Automatic Telephone Switchboard Co. (Automatic Interior) .....D  
 Rhode Island Telephone & Electric Co. ....D  
**S. C.—Sumter**  
 Sumter Telephone Mfg. Co. ....A  
**WIS.—La Crosse**  
 Vought-Berger Co. (Interior) .....C  
**WIS.—Milwaukee**  
 Andrae & Sons Co., Julius, 225 W. Water .....B  
 Green Telephone & Electric Mfg. Co., 204 Grand Av. ....F  
 Signalphone Co. ....B

**TELESCOPES**

**MASS.—Cambridge**  
 Clark & Sons, Alvan .....F  
**MASS.—Chicopee Falls**  
 Stevens Arms & Tool Co., J. (Rifle) .....AAA  
**New York City**  
 Spencer Optical Mfg. Co., 15 Maiden Lane .....C  
**N. Y.—Rochester**  
 Bausch & Lomb Optical Co. ....AAA  
 Gundlach Manhattan Optical Co. ....A  
**OHIO—Cleveland**  
 Warner & Swasey .....A

**TELLURIANS**

**ILL.—Chicago**  
 Andrews Co., A. H. ....AA  
**New York City**  
 Schedler, Herman .....E

**TEMPLATES**

**ILL.—Kewanee**  
 Western Tube Co. (for Drilling Flanges) ....AAA

## TEMPLES: LOOM

**MASS.—Boston**  
Stoddard, Haserick & Richards Co., 152 Congress  
AAA  
**MASS.—Worcester**  
Crompton & Knowles Loom Works .....AAAA  
Roy & Son, B. S. ....B  
**R. I.—Pawtucket**  
Draper & Co., J. O. ....B

## TEMPLETS

**N. J.—Newark**  
National Saw Co. ....AAAA

## TENDERS: FARM ENGINE

**OHIO—Canton**  
Aultman Co. ....A  
**WIS.—Racine**  
Case Threshing Machine Co., J. J. ....AAAA

## TENNIS

See Sporting Goods

## TENONERS

See Machy

## TEN PINS

See Pins

## TENTS

See Awnings

## TEREBENE

**New York City**  
McKesson & Robbins, 91 Fulton .....AAAA  
Schleffelin & Co., W. H., 170 William .....AA

## TERMINALS

**ILL.—Chicago**  
American Electric Telephone Co., 38 W. Jackson Boul. (Telephone Cable) B  
Harvard Electric Co., 224 S. Clinton (Telephone Cable) .....D  
Moon Mfg. Co., 49 S. Canal (Fuse; Telephone Cable) E

**IND.—Lafayette**  
Sterling Electric Co. (Fuse; Telephone Cable) .....AA

**MO.—St. Louis**  
Central Telephone & Electric Co., 909 Market (Fuse) .....D

**N. J.—Newark**  
McIntire Co., C., 13 Franklin (Electric Cable; Fuse) D

**OHIO—Toledo**  
Bissell Co., F. (Telephone Cable) .....A

**PA.—Pittsburg**  
Standard Underground Cable Co. (Electric Cable) AAAA

**W. VA.—Wheeling**  
Mountain State Electrical Co. (Telephone Cable) ..D

## TERNE PLATE

See Plate; Terne

## TERRA ALBA

**New York City**  
King & Co., J. B., 1 B'way .....AAAA  
Pettit Chemical Co. ....B  
**PA.—Easton**  
Keystone Plaster Co. ....A  
Williams & Co., C. K. ....A

## TERRA ALBA (Con.)

**PA.—Philadelphia**  
Nevins Co., Samuel, 109 S. 2d .....D

## TERRA COTTA

**CAL.—San Francisco**  
Clark & Sons, N., 17 Spear (Architectural) .....A  
Gladding, McBean & Co., Bialto Bldg. (Architectural; Enameled) .....AA

**CAL.—San Jose**  
Steiger Sons, A. (Architectural) .....B

**CONN.—Hartford**  
Hartford Faience Company (Glazed) .....B

**GA.—Atlanta**  
Atlanta Terra Cotta Co., Austell Bldg. (Architectural; Glazed) .....B  
Southern Terra Cotta Co. (Architectural) .....X

**ILL.—Chicago**  
American Terra Cotta & Ceramic Co. (Architectural) .....A  
North Western Terra Cotta Co., cor. Clybourn & Wrightwood Av. (Architectural; Glazed) ....AAA

**ILL.—Streator**  
Streator Clay Mfg. Co. (Rustic) .....A

**IND.—Brightwood**  
Indianapolis Terra Cotta Co. (Architectural) .....B

**MD.—Baltimore**  
Burns, Russell & Co. (Architectural) .....B

**MASS.—Boston**  
Boston Fire Brick Co. (Geo. M. Fiske, Mgr.), 164 Devonshire (Architectural; Glazed) .....A

Grueby Faience Co., 2A Park (Glazed) .....D

**MO.—St. Louis**  
St. Louis Terra Cotta Co., 5815 Manchester Av. (Architectural) .....C

**N. Y.—Corning**  
Brick Terra Cotta & Tile Co. (Architectural) ....B

**New York City**  
Atlantic Terra Cotta Co., 287 4th Av. (Architectural; Glazed) .....A

Excelsior Terra Cotta Co., 287 4th Av. (Architectural) .....A

Kreischer Brick Mfg. Co., 119 E. 23d (Architectural) B

**New Jersey**  
Terra Cotta Co., 108 Fulton (Architectural) B

**New York**  
Architectural Terra Cotta Co. 1 Madison (Architectural) .....AA

Perth Amboy Terra Cotta Co., 160 5th Av. (Architectural; Glazed) .....AA

**OHIO—Cincinnati**  
Cincinnati Sewer Pipe Co., cor. Elm & Water (Rustic) .....E

**OHIO—Columbus**  
Union Brick & Supply Co., Ruggery Bldg. (Architectural) .....E

**PA.—Philadelphia**  
Conkling-Armstrong Terra Cotta Co., 24 S. 7th (Architectural) .....A

**PA.—Pittsburg**  
White, Scott A., 811 Lewis Blk. (Architectural) ....B

**PA.—Reading**  
Reading Terra Cotta & Stove Lining Wks. (Architectural) .....C

**PA.—Wilkesbarre**  
American Clay Product Co. (Architectural) .....D

**WASH.—Spokane**  
Washington Brick, Lime & Mfg. Co. (Architectural) A

## TERRETS

**CONN.—New Britain**  
North & Judd Mfg. Co...AA  
**CONN.—New Haven**  
North & Co., O. B....AA  
**N. J.—Newark**  
Grossner, F. W., 392 Bank  
G  
**OHIO—Canton**  
Elbel & Co. ....B

## TESTERS

**CAL.—Petaluma**  
Petaluma Incubator Co.  
(Egg) .....B  
**ILL.—Carpentersville**  
Illinois Iron & Bolt Co.  
(Metal) .....AA  
**ILL.—Chicago**  
Creamery Package Mfg. Co.  
(Creamery) .....AAAA  
Sharpless Co. (Creamery).C  
**ILL.—Quincy**  
Stahl, Geo. H. (Egg)....B  
**IND.—Indianapolis**  
Atkins & Co., E. C. (Flour)  
AAAA  
**IND.—Lafayette**  
Polar Creamery Co. (Im-  
proved Creamery) ....D  
**IND.—Peru**  
Zero Creamery Co. (Cream-  
ery) .....D  
**MASS.—Athol**  
Starrett Co., L. S. (Center)  
A  
**MASS.—Holyoke**  
Perkins & Son, B. F. (Pa-  
per) .....A  
**MASS.—Worcester**  
Union Water Meter Co.  
(Cement) .....B  
**MICH.—Detroit**  
Johnston Optical Co. (Eye)  
A  
**N. J.—Salem**  
Ayars Machine Co. (Auto-  
matic Can) .....B  
**New York City**  
Ashcroft Mfg. Co., 85 Lib-  
erty (Oil) .....A  
Kohlbusch, Herman (Hand  
Grain) .....B  
Spencer Optical Mfg. Co.  
(Eye) .....C  
**N. Y.—Union Center**  
Edson, Wyman L. (Cream-  
ery; Cream) .....H  
**N. Y.—Utica**  
Jones, Frank L. (Creamery)  
C  
**PA.—Philadelphia**  
Dairymen's Supply Co.  
(Cream) .....B  
Olsen & Co., Tinius (Ce-  
ment) .....A  
Rue Mfg. Co., 228 Cherry  
(Boller) .....C  
Sellers & Co., Wm. (Inc.)  
(Cement; Metal) .....AAAA  
Shaw, Thomas (Gas) ....F  
**PA.—West Chester**  
Dairy Specialty Co. (Cream-  
ery) .....G  
**R. I.—Providence**  
Slocomb & Co., J. T. (Cen-  
ter) .....D  
**VT.—Bellows Falls**  
Vermont Farm Machine Co.  
(Creamery; Cream) ....C  
**WIS.—Lake Mills**  
Fargo & Co., F. B. (Cream-  
ery) .....B

## TESTS

**ILL.—Harvey**  
Whiting Fdy. Equipment  
Co. (Drop) .....AA  
**New York City**  
Weinhagen, Henry (Coal  
Fire) .....B  
**OHIO—Columbus**  
Case Mfg. Co. (Drop) ....A

## TETHERS:

## ANIMAL

**CONN.—Bridgeport**  
Bridgeport Chain Co. ....A

**TETHERS: ANIMAL**  
**MASS.—Athol**  
Athol Machine Co. ....A

## THERMOM- ETERS.

**CONN.—Meriden**  
Bradley & Hubbard Mfg.  
Co. ....AAAA  
**CONN.—Pequabuck**  
Cooper, D. G. (Oven) ....F  
**CONN.—Waterbury**  
Bristol Co. (Recording, &c.)  
D  
Electrical Appliance Co.  
(Oven) .....G  
**ILL.—Chicago**  
Hausmann & Dunn (Clini-  
cal) .....C  
Weiskopf, A. (Advertising;  
Brewers'; Distillers'; Hot  
Well; Metallic; Chemical)  
E  
**MASS.—Boston**  
American Steam Gauge  
Valve Mfg. Co., Bis-  
marck & Boylston (Hot  
Water; Steam; Hot Well)  
F  
Ashton Valve Co., 271  
Franklin (Heating) ....A  
Crosby Steam Gauge &  
Valve Co., 97 Oliver (Hot  
Water; Heating; Steam;  
Steam Pipe) .....AA  
Gurney Heater Mfg. Co., 74  
Franklin (Heating) ....B  
**N. H.—Peterboro**  
Wilder, Chas. (Eat. of)....C  
**N. J.—Jersey City**  
Griffing Iron Co., A. A.  
(Hot Water) .....AA  
**N. Y.—Brooklyn**  
Green, Henry J. ....X  
Schaffer & Budenberg (Dis-  
tillers'; Heating; Brew-  
ers') .....A  
**N. Y.—Buffalo**  
Buffalo Specialty Mfg. Co.,  
375 Elllicott .....B  
**New York City**  
Abercrombie & Fitch, 314  
B'way .....C  
Ashcroft Mfg. Co. ....A  
Bayer & Son, Adolph (Clini-  
cal) .....F  
Beeton, Dickinson & Co.,  
160 Duane (Clinical)...A  
Fairbanks Co. ....AAAA  
Greiner, Emil .....E  
Hoehn Co., R. (I. Mayer &  
Co., Props.), 80 Chambers  
B  
Imhauser & Co., E., 206  
B'way .....C  
International Silver Co.,  
9 Maiden Lane (Silver  
Plated) .....AAAA  
Tagliabue, Chas. J., 53 Ful-  
ton (Clinical) .....A  
Tagliabue, Giuseppe (Clini-  
cal; Dairy) .....B  
Tiemann & Co., Geo. (Clini-  
cal) .....A  
Wagner Glass Works, 965  
E. 132d .....D  
Weinhagen, Henry (Adver-  
tising; Brewers'; Distil-  
lers'; Clinical) .....B  
**N. Y.—Phelps**  
Russey Bros. ....F  
**N. Y.—Rochester**  
Hohman & Maurer Mfg. Co.  
(Heating; Brewers'; Dis-  
tillers'; Hot Well; Sugar  
Refinery; Varnish) ....D  
Taylor Bros. Co., 29 Eliza-  
beth (Heating) .....AA  
**N. Y.—Watertown**  
Watertown Thermometer  
Co. ....C  
**N. Y.—Williamsburg**  
Large & Son, Jos. F. ....E  
**OHIO—Toledo**  
Beckman Co., L., 318  
Adams (Chemical) ....D  
**PA.—Philadelphia**  
Hellos-Upton Co., 1231 Cal-  
lowhill (Heating; Maxi-  
mum; Minimum; Oven;  
Recording) .....D

## THERMOMETERS

Queen & Co. (Inc.), 1010 Chestnut (Technical; Hot Water; Heating) ....AA  
Whitall, Tatum & Co. (Chemical) .....AAAA  
WIS.—Milwaukee  
Johnson Service Co. (Hot Water; High Pressure of Air) .....AAA

## THERMOSTATS

ILL.—Chicago  
Welskopf, A. ....E  
MASS.—North Attleboro  
Corey Mfg. Co. ....X  
N. Y.—Brooklyn  
Acton, Jno. ....D  
New York City  
Bunnell Co., J. H., 20 Park Pl. ....B  
Crane Co., Wm. M., 1181 B'way .....A  
Edwards & Co., 144th & 4th Av. ....D  
Kieley & Mueller, 7 W. 13th (for Hot Water; Tanks, &c.) .....B  
Ostrander & Co., W. R., 22 Dey .....A  
Standard Steam Specialty Co., 111 5th Av. (Boiler) D  
N. Y.—Rochester  
Beers Bros. Thermostat Co., 18 Elm .....D  
PA.—Philadelphia  
Patrick, Carter & Wilkins, 1231 Callowhill .....C  
Queen & Co. ....AA

## THIBETS

See Woolen Goods

## THIMBLES

See also Jewelry

CONN.—Middletown  
Wilcox, Crittenden & Co. (Wire Rope) .....A  
MAINE—Portland  
Laughlin & Sons, Thomas (Wire Rope) .....A  
MASS.—Boston  
Durable Wire Rope Co., 288 Congress (Wire Rope) ...B  
MASS.—North Attleboro  
Whiting Co., F. M. (Gold; Silver) .....A  
MO.—St. Louis  
Broderick & Bascom Rope Co., 809 N. Main (Wire Rope) .....AA  
Leschen & Sons Rope Co., 920 N. 1st .....AAA  
N. J.—Newark  
Durand & Co. (Inc.) (Gold) AA  
N. J.—Trenton  
Trenton Iron Co. (Wire Rope) .....AA  
N. Y.—Buffalo  
Contractors' Plant Mfg. Co., 129 Erie (Wire Rope) ...B  
N. Y.—Lockport  
Western Block Co. (Steel Wire Rope) .....C  
N. Y.—Manlius  
Cheney & Son, S. (Stove Pipe) .....A  
New York City  
Goodyear's India Rubber Glove Mfg. Co. (Rubber) AAAA  
Goodyear Rubber Co. (Rubber) .....AAAA  
Grote & Co., Fred. (Ivory) D  
Hodgman Rubber Co. (Rubber) .....AA  
Ketcham & McDougall, 37 Maiden Lane (Gold; Silver) .....B  
Macomber, Whyte, Moon Co., 131 Worth (Wire Rope) .....H  
Sargent & Co., 151 Leonard (Rope) .....AAA

## THIMBLES (Con.)

Sloan & Co. (Inc.) (Gold) .B  
Standard Steam Specialty Co., 111 5th Av. (Wire Rope) .....D  
Stern Bros. & Co., 68 Nassau (Gold; Silver) .AAAA  
N. Y.—Syracuse  
Stearns & Co., E. C. (Stove Pipe) .....A  
N. Y.—Troy  
Troy Stamping Wks. (Stove Pipe) .....AAAA  
N. Y.—West Troy  
Covert Mfg. Co. (Rope) ...X  
OHIO—Dayton  
City Forge & Iron Works (Stove Pipe) .....D  
OHIO—New Philadelphia  
Ohio Stove Pipe & Mfg. Co. (Stove Pipe) .....E  
PA.—Harrisburg  
Jackson Mfg. Co. (Wire Rope; Bolt; Axle) .....B  
PA.—Philadelphia  
Muhr's Sons, H. (Gold; Silver) .....D  
Simons Bros. & Co. (Gold; Silver) .....A  
PA.—Pittsburg  
Lanz & Sons, Mathew, 101 S. 29th (Wire Rope; Guy) B  
PA.—Williamsport  
Williamsport Wire Rope Co. (Rope) .....A  
R. I.—Providence  
Waite-Thresher Co. (Gold; Silver) .....A

## THORIUM

New York City  
Lieber & Co., H., 25 W. B'way .....D  
Pfaltz, Hy., 234 Pearl .....X  
Reno, Morris, 100 William X  
Roessler & Hasslacher Chemical Co. ....AA

## THREAD

CAL.—San Francisco  
Carlson-Currier Co., 6 Sutter (Spool Silk; Twist; Knitting Silk) .....B  
Higginbotham & Co. (Silk, Knitting) .....B  
CONN.—East Hampton  
Summit Thread Co. (Cotton) A  
CONN.—Mansfield  
Macfarlane, Jos. S. (Sewing Silk) .....D  
CONN.—New Haven  
Globe Silk Works (Marvin & Pardee) (Sewing; Spun Silk) .....B  
CONN.—New London  
Brainerd & Armstrong Co. (Sewing Silk; Machine Twist) .....AAA  
CONN.—Norfolk  
Aetna Silk Co. (Sewing Silk; Twist) .....C  
CONN.—Putnam  
Hammond, Knowlton & Co. (Machine Twist) .....B  
Dady & Co., Jno. A. (Machine; Sewing Silk) ...D  
CONN.—Rockville  
Belding Bros. & Co. (Sewing Silk; Twist) .AAAA  
CONN.—South Manchester  
Cheney Bros. (Spun Silk) AAAA  
CONN.—Warehouse Point  
Warehouse Point Silk Co. (Sewing Silk; Machine Twist) .....A  
CONN.—Watertown  
Heminway & Bartlett Silk Co. (Spool Silk; Twist; Embroidery; Knitting Silk) .....C  
Heminway & Sons Silk Co., H. (Spool Silk; Twist) ..B  
CONN.—Willimantic  
Holland Mfg. Co. (Machine Twist; Sewing Silk) ...A  
Hall & Co., Gardiner Jr. (Spool Cotton) .....AA

**THREAD (Con.)**

**CONN.—Windsor Locks**  
 Montgomery & Co., J. R.  
 (Metal) .....AA  
**CONN.—Winsted**  
 Winsted Silk Co. (Sewing  
 Silk) .....A  
**GA.—Columbus**  
 Eagle & Phoenix Mills (Cot-  
 ton Ball) .....AAAA  
**ILL.—Chicago**  
 Belding Bros. Co. (Silk Ma-  
 chine) .....AAAA  
 Linen Thread Co. (Boot;  
 Shoe; Linen; Cotton)...B  
 Spool Cotton Co. (Boot;  
 Shoe) .....A  
**LA.—New Orleans**  
 Lane Mills of New Orleans  
 (Cotton; Ball Sewing)...AA  
**MASS.—Andover**  
 Smith & Dove Mfg. Co.  
 (Shoe; Flax, &c.)...AA  
**MASS.—Athol**  
 Adams, D. E. (Silk, Sew-  
 ing) .....B  
**MASS.—Becket**  
 Becket Silk Mills (Silk)...F  
**MASS.—Boston**  
 Boston Thread & Twine Co.  
 (Saddlers') .....B  
**MASS.—Canton**  
 Eureka Silk Mfg. Co. (Silk  
 Sewing) .....A  
**MASS.—Florence**  
 Nonotuck Silk Co. (Silk)  
 AAA  
**MASS.—Grafton**  
 Finlayson Flax Spinning Co.  
 (Linen) .....B  
**MASS.—Holyoke**  
 Cressy Thread Co. (Spool  
 Cotton) .....D  
 Skinner Mfg. Co., Wm.  
 (Silk) .....AA  
**MASS.—Leominster**  
 U. S. Thread Co. (Spool  
 Cotton) .....A  
**MASS.—Millbury**  
 West End Thread Co.  
 (Flax; Linen Shoe) ....E  
**MASS.—Northampton**  
 Belding Bros. & Co. (Silk;  
 Shoe) .....AAAA  
**MASS.—Pittsfield**  
 Rice & Co., A. H. (Silk).A  
**MASS.—Southbridge**  
 Central Mills Co. (Sewing)  
 A  
**MASS.—Springfield**  
 Bay State Thread Works  
 (Cotton) .....B  
**MASS.—Westfield**  
 Warren Thread Works, W.  
 B  
**MASS.—Worcester**  
 Cranska Thread Co. (Spool  
 Cotton) .....B  
 Wachusett Thread Company  
 (Spool Cotton) .....D  
 Worcester Thread Co. (Flax  
 Shoe) .....B  
**MICH.—Belding**  
 Belding Bros. & Co. (Spool  
 Silk) .....AAAA  
 Richardson Silk Co. (Silk)  
 A  
**N. J.—Florence**  
 Florence Thread Co. (Soft;  
 Glazed Cotton) .....C  
**N. J.—Jersey City**  
 Chadwick & Bro., Jas. (Cot-  
 ton) .....A  
**N. J.—Newark**  
 Clark Thread Co. (Spool  
 Cotton) .....AAAA  
**N. J.—Paterson**  
 Barbour Flax Spinning Co.  
 (Flax) .....AAAA  
 Caspers Silk Co. (Silk Sew-  
 ing) .....D  
 White, Joseph (Sewing Silk)  
 C  
**N. Y.—Greenwich**  
 Dunbarton Flax Spinning  
 Co. (Linen) .....B  
**N. Y.—Hornellsville**  
 Steuben Silk Co. (Silk Sew-  
 ing) .....B  
**N. Y.—Kanwood**  
 Oneida Community (Silk  
 Sewing; Twist) .....AAA

**THREAD (Con.)**

**New York City**  
 American Thread Co. (Boot;  
 Shoe) .....AAAA  
 Boston Thread Co. (Shoe)...E  
 Commercial Supply Co., 31  
 Union Sq. (Incand. Gas  
 Mantle) .....X  
 Gudebrod Bros. Co. (Spool  
 Silk) .....B  
 Hammond, Knowlton & Co.  
 (Sewing Silk) .....B  
 Hart Co., A. H. (Shoe)  
 AAA  
 Hemingway - Bartlett Silk  
 Co. (Sewing) .....A  
 Hess, Goldsmith & Co.  
 (Sewing Silk) .....A  
 Holland Mfg. Co. (Sewing  
 Silk) .....A  
 Johns-Manville Co., H. W.  
 (Asbestos) .....AAAA  
 Nonotuck Silk Co. (Sewing  
 Silk) .....AAAA  
 Oneida Community (Ltd.)  
 (Sewing Silk) .....AAA  
 Richardson Silk Co. (Sew-  
 ing Silk) .....A  
 Skinner Mfg. Co., Wm.  
 (Sewing Silk) .....AAA  
 Winne Co., D. P. (Com.)  
 C  
 Winsted Silk Co. (Sewing  
 Silk) .....A  
**N. Y.—Schaghticoke**  
 Cable Flax Mills (Boot;  
 Shoe) .....B  
**N. C.—Albemarle**  
 Efird Mfg. Co. (Sewing  
 Twine) .....A  
**N. C.—Jamestown**  
 Oakdale Cotton Mills (Cot-  
 ton Sewing) .....B  
**PA.—Bethlehem**  
 Bethlehem Silk Co. (Silk)  
 A  
**PA.—Philadelphia**  
 Hackenburgh & Co., Wm.  
 B. (Silk Sewing) .....B  
 Hughes Mfg. Co. (Soft;  
 Glazed) .....C  
 Phila. Thread Co. (Spool  
 Cotton) .....D  
**PA.—Pottstown**  
 Champion Silk Co. (Sewing;  
 Machine) .....C  
**R. I.—Lincoln**  
 Samoset Co. (Cotton Sew-  
 ing) .....A  
**R. I.—Pawtucket**  
 Blodgett & Oswell Co. (Cot-  
 ton) .....B  
 Coats, J. & P. (Spool Cot-  
 ton) .....AAAA  
 Dexter Yarn Co. (Knitting  
 Co.) .....A  
 Greene & Daniels Mfg. Co.  
 (Spool Cotton; Shoe  
 Thread) .....AA  
 Kenyon Mfg. Co., Jno. J.  
 (Spool Cotton) .....B  
 Littlefield Mfg. Co. (Cot-  
 ton) .....A  
 New England Thread Co.  
 (Spool Cotton) .....A  
**R. I.—Warwick**  
 Elizabeth Mill Co. (Cotton)  
 AAAA

**THREADERS**

**CONN.—Bridgeport**  
 Armstrong Mfg. Co. (Pipe)  
 A  
**CONN.—East Hampton**  
 Brown & Co., H. B. (Bolt)  
 E  
**CONN.—Hartford**  
 Cook Co., Asa S. (Bolt;  
 Lay Screw) .....B  
 Pratt & Whitney Co. (Bolt)  
 AAAA  
**CONN.—New Haven**  
 Geometric Drill Co. (Bi-  
 cycle Spoke) .....C  
**CONN.—Waterbury**  
 Blake & Johnson (Bicycle  
 Spoke; Bolt) .....A  
 Manville Machine Co., E. J.  
 (Bicycle Spoke; Bolt)...C  
**ILL.—Chicago**  
 Crane Co. (Pipe) .....AAAA

## THREADERS (Con.)

### MD.—Baltimore

Detrick & Harvey Machine  
Co. (Bolt; Bicycle Spoke) AA

### MASS.—Boston

Walworth Mfg. Co. (Pipe) AAAAA

### MASS.—Greenfield

Goodell-Pratt Co. (Bicycle  
Spoke) .....B

Wells Bros. & Co. (Bolt) A

Wiley & Russell Mfg. Co.  
(Bolt) .....AA

### MASS.—Lowell

Lahue & Co., M. M., 107  
Cushing (Shuttle) .....F

### MICH.—Marcellus

Chapman, H. L. (Bolt) ...F

New York City  
Fairbanks Co., 416 Broome  
(Bolt) .....AAAAA

### N. Y.—Rochester

Rochester Pipe Tongs Co.  
(Pipe) .....F

### N. Y.—Yonkers

Saunders' Sons, D. (Bolt) A

### OHIO—Cleveland

Acme Machinery Co. (Bolt) AA

Hart Mfg. Co. (Bolt) ....B

Reliance Machine & Tool  
Co. (Bolt) .....C

### OHIO—Hamilton

Niles Tool Works Co. (Bolt) AAAAA

### OHIO—Springfield

Webster & Perks Tool Co.  
(Bolt; Bicycle Spoke) ...D

### OHIO—Tiffin

National Machinery Co.  
(Bolt) .....AA

### OHIO—Toledo

Baker Bros. (Lag Screw) A

### PA.—Erie

Jarecki Mfg. Co. (Pipe) AAAAA

### PA.—Philadelphia

Morris, Tasker & Co. (Pipe) AAA

### R. I.—Pawtucket

Pawtucket Mfg. Co. (Bolt) A

## THRESHERS

See Agr. Imps.

## THYMOL

### New York City

Lehn & Fink .....AAA

## TICKETS

### CONN.—New Haven

Thompson & Son, H. G.  
(Pin) .....B

### ILL.—Chicago

Rand, McNally & Co. (Inc.)  
(Railway) .....AAAAA

### MASS.—Boston

Dennison Mfg. Co., 26  
Franklin (Pin; Price) AAAAA

Forbes Litho. Mfg. Co.  
(Pin) .....AA

Rand-Avery Supply Co. (Du-  
plicate Coupon Railway) AA

New York City

American Bank Note Co.  
(Railway) .....AAAAA

Franklin-Lee Bank Note Co.  
(Railway) .....B

International Bank Note Co.  
(Railway) .....B

N. Y. Bank Note Co. (Rail-  
way) .....A

PA.—West Chester

Denny Tag Co. (Pin) ....C

R. I.—Providence

Salsbury Mfg. Co. (Pin) A

VA.—Glen Allen

Cussons, May & Co. (Du-  
plicate Coupon) .....B

## TICKING

See Cotton Goods

## TIES

See also Neckwear

### ALA.—Carney

Carney Lumber Co. (Wood-  
en) .....B

### ALA.—Dothan

Wilson, W. S. (Wooden) ...C

### ALA.—Sheffield

Sheffield Rolling Mill Co.  
(Cotton) .....A

### ARK.—Paragould

Bertig Bros. (Wooden) ...A

### ARK.—Texarkana

Red Water Lumber Co.  
(Wooden) .....B

### CAL.—San Francisco

Albion Lumber Co. (Wood-  
en) .....AA

Byrbee & Clark, 48 Mar-  
ket (Wooden) .....B

Caspar Lumber Co., Hay-  
ward Bldg. (Wooden) AAA

Gray & Co., Geo. D., 421  
Market (Wooden) .....A

Hooper & Co., C. A., Cal-  
ifornia & Front (Wooden) AAAAA

Nelson & Co., Chas., 6  
California (Wooden) AAAA

Pacific Lumber Co. (Inc.)  
Rialto Bldg. (Wooden) ...A

Pacific Pine Co., 237 Cal-  
ifornia (Wooden) .....A

Richardson Co., 6 Califor-  
nia (Wooden) .....A

White Lumber Co., L. E.,  
303 California (Wooden) AAA

Wood Lumber Co., E. K., 6  
California (Wooden) AAAAA

### COLO.—Denver

Western Lumber & Pole Co.,  
1025 17th (Wooden) ...B

### CONN.—Bridgeport

American Tube & Stamping  
Co. (Cotton) .....AAAAA

Bridgeport Chain Company  
(Cattle) .....A

### CONN.—Danbury

Irving, J. G. (Hat Bow) ...E

Twedy, A. E. (Hat Bow) B

### CONN.—New Haven

National Steel & Wire Co.  
(Bale) .....AAAAA

### FLA.—Jacksonville

Baxter & Co., G. S. (Wood-  
en) .....B

Hunter, Dexter (Wooden) A

### FLA.—Pensacola

Thornton, H. H. (Railroad) F

### GA.—Atlanta

Atlanta Steel Hoop Co.  
(Bale) .....A

### GA.—Brunswick

Alken, Frank D. (Wooden) C

Cooney, Eckstein & Co.  
(Wooden) .....A

Emanuel & Co., N. (Wood-  
en) .....AA

Hilton & Dodge Lumber Co.  
(Wooden) .....AAAAA

### GA.—Savannah

Cooney, Eckstein & Co.  
(Wooden) .....A

Dixon Lumber Co., 737  
Wheaton (Wooden) ...A

Georgia Lumber Co., 2 Bay  
E. (Wooden) .....C

Hirsch & Co., C. S., 128  
Bay, W. (Wooden R. R.) AA

Southern Pine Co., Provid-  
ent Bldg. (Wooden) AAA

Willy, Gabbett, Provident  
Bldg. (Wooden) ....AAA

### GA.—Thomasville

Watt Bros. & Co., James  
(Wooden) .....A

### ILL.—Batavia

Newton Co., E. C. (Cattle) B

### ILL.—Chicago

American Steel & Wire Co.,  
The Rookery (Bale; Cot-  
ton) .....AAAAA

Ayer & Lord Tie Co., Old

**TIES (Con.)**

Colony Bldg. (Wooden) AAA  
 Baidler & Co., Francis W.,  
 - 22d & Loomis (Poles;  
 Idaho Cedar; Michigan  
 White Cedar, 40 ft. & up) AA  
 Gillis & Moulton, 204 Dear-  
 born (Wooden) .....C  
 Grand Crossing Tack Co.  
 (Bale) .....AAA  
 Holcomb - Lobb Co., 204  
 Dearborn (Cedar) .....B  
 Marsh & Bingham, Old Col-  
 ony Bldg. (Wooden)....A  
 Monarch Lumber Co., 184  
 Lasalle (Wooden Bridge;  
 Switch) .....C  
 Mueller & Co., M., Mar-  
 quette Bldg. (Wooden).A  
 Nauge Tie Co., E. E., 159  
 La Salle (Wooden) ....A  
 Raber & Watson, Old Col-  
 ony Bldg. (Cedar) ....A  
 Ripley & Son, Wm., 36 La  
 Salle (Wooden) .....AA  
 Schultz Bros., Old Colony  
 Bldg. (Ties) .....A  
 Stone, Frank B., 279 Dear-  
 born (Wooden) .....A  
 Wallace Supply Co., 169  
 Jackson Boul. (Cedar)..C  
**ILL.—East St. Louis**  
 New Process Steel & Wire  
 Co. (Wire Bale) .....A  
**ILL.—Joliet**  
 Joliet Bale & Tie Co. (Bale)  
 E  
**ILL.—M'Leansboro**  
 Wilson, John H. (Wooden)  
 B  
**ILL.—Sterling**  
 Dillon-Griswold Wire Co.  
 (Steel Bale) .....X  
**IND.—Crawfordsville**  
 Crawfordsville Wire & Nail  
 Co. (Bale) .....A  
**IND.—Evansville**  
 Gray Tie & Lumber Co., B.  
 H. A. Bldg. (Wooden).AA  
**IND.—Muncie**  
 Indiana Steel & Wire Co.  
 (Bale) .....A  
**IND.—Richmond**  
 Johnson & Son, B. (Wooden  
 R. R.) .....A  
**IOWA—Des Moines**  
 Des Moines Bale Tie Co.  
 (Bale) .....B  
**KY.—Burnside**  
 Wheeler, Holden & Co.  
 (Wooden R. R.) .....A  
**KY.—Jackson**  
 Day, Flood (Wooden) ....A  
**LA.—Donner**  
 Dibert, Stark & Brown Cy-  
 press Co. (Hewn; Sawn  
 Wooden) .....AAA  
**LA.—Franklin**  
 Hanson Lumber Co., Albert  
 (Wooden) .....AA  
**LA.—Lake Charles**  
 Bradley-Ramsay Lumber Co.  
 (Railroad) .....AAAA  
**MD.—Baltimore**  
 Hoskins Lumber Co., J. S.  
 (Wooden) .....C  
**MD.—Brandywine**  
 Robinson, A. T. (Wooden)  
 C  
**MASS.—Springfield**  
 Wagor Mfg. Co., P. R.  
 (Wall) .....G  
**MASS.—Webster**  
 Prescott & Son, J. B. (Ve-  
 neer; Wall; Bends)....B  
**MASS.—Worcester**  
 Hamblin & Russell Mfg.  
 Co. (Perforated Steel  
 Wall) .....B  
**MICH.—Ausable**  
 Loud's Sons Co., H. M.  
 (Wooden) .....AA  
**MICH.—Bay City**  
 Michigan Pipe Co. (Creo-  
 soted Wooden) .....AA  
**MICH.—Bovee**  
 Robinson & Freeman (Wood-  
 en R. R.) .....B  
**MICH.—Detroit**  
 Anderson & Sons, W. H.  
 (Pressed Brick) .....C

**TIES (Con.)**

Grace Harbor Lumber Co.  
 (Wooden) .....B  
 Standard Tie Co., Chamber  
 of Com. Bldg. (Wooden)  
 A  
**MICH.—Escanaba**  
 Erickson & Bissell (Cedar)  
 A  
**MICH.—Escanaba**  
 Mueller Co., Wm. (Wood-  
 en) .....A  
 Pittsburg & Lake Superior  
 Iron Co. (Cedar) .....AA  
**MICH.—Grand Rapids**  
 Union City Lumber Co.  
 (Wooden) .....B  
**MICH.—Hardwood**  
 Spies Lumber & Cedar Co.,  
 Augustus (Wooden) ....A  
**MICH.—Herrmansville**  
 Wisconsin Land & Lumber  
 Co. (Cedar) .....AAAA  
**MICH.—Honor**  
 Guelph Patent Cask Co.  
 (Wooden) .....B  
**MICH.—Ingalls**  
 Carley, Ira (Wooden)....B  
**MICH.—Manistique**  
 White Marble Lime Co.  
 (Cedar R. R.) .....B  
**MICH.—Menominee**  
 Lindsley Bros. Co. (Wood-  
 en) .....B  
**MICH.—Monroe**  
 Sterling & Son, H. C.  
 (Wooden) .....A  
**MICH.—Newhall**  
 Pittsburg & Lake Superior  
 Iron Co. (Cedar) .....  
**MICH.—Omer**  
 Sterling & Son, W. C.  
 (Wooden) .....A  
**MICH.—Rapid River**  
 Madden Shingle Co., Jerry  
 (Wooden) .....A  
**MICH.—Saginaw**  
 Morse Cedar Co. (Cedar).C  
**MICH.—Spalding**  
 Mueller & Co., Wm. (Wood-  
 en) .....A  
**MICH.—Vanderbilt**  
 Sterling & Son, W. C.  
 (Wooden) .....A  
**MINN.—Duluth**  
 Duluth Log Co. (Wooden).C  
 Martin, L. R. (Wooden)..C  
**MINN.—Minneapolis**  
 Bradley-Watkins Co. (White  
 Cedar) .....AA  
 Coolidge Co., M. H., Guar-  
 anty Loan Bldg. (Wood-  
 en) .....B  
 Coolidge Fuel & Supply Co.  
 (Railroad) .....B  
 Minneapolis Cedar & Lum-  
 ber Co., Lumber Exchange  
 (Wooden) .....C  
 Pillsbury - Watkins Co.,  
 Lumber Exch. (Wooden)  
 B  
**MISS.—Meridian**  
 Brownlee Lumber Company  
 (Wooden Cross) .....B  
**MO.—Eldon**  
 Harvey & Co., N. E.  
 (Wooden) .....A  
**MO.—Kansas City**  
 Badger Lumber Co. (Rail-  
 road) .....AAA  
 Missouri Timber & Tie Co.  
 (Wooden) .....A  
 Sedgwick Tie Co., Beals  
 Bldg. (Wooden) .....A  
**MO.—St. Louis**  
 Abela & Taussig Com-  
 mercial Bldg. (Wooden)  
 B  
 Bagnell Timber Co. (Wood-  
 en) .....AA  
 Berthold & Jennings (Wood-  
 en) .....A  
 Harry, Owen K., 2335 Papin  
 (Bale) .....B  
 Moss, Tie Co., T. J., 319 W.  
 4th (Wooden) .....AA  
 New Process Mfg. Co., 2200  
 N. 2nd (Bale).....X  
 Western Tie & Timber Co.,  
 Century Bldg. (Wooden)  
 AA



# **TIES (Con.)**

**N. J.—Trenton**  
Trenton Iron Co. (Bale) ..A.  
A.  
**N. Y.—Albany**  
Dederick's Sons, J. K.  
(Bale) .....A  
**N. Y.—Brooklyn**  
De Haven Mfg. Co., 50 Col-  
umbia Heights (Bale)...A  
**N. Y.—Buffalo**  
Ellias & Bros., G., 955 Elk  
(Wooden) .....AA  
**N. Y.—Ellenville**  
Cox Bros. (Wooden).....B  
New York City  
Baxter & Co., G. S. 17 Wil-  
liam (Wooden) .....B  
Chesebro, Whitman & Co.,  
1187 1st Av. (Wooden)..B  
Cooney Eckstein & Co., 66  
Broad (Wooden R. R.)..A  
Dunlap & Co. (Hat Bow) ..  
AA  
Hirsch & Co., C. S., 29  
B'way. (Wooden) ....AA  
Hunter Dexter, 18 B'way  
(Wooden) .....A  
Hurd & Co., 570 W. B'way.  
(Wall) .....D  
Koppel, Arthur, 68 Broad  
(Steel Railroad) .....A  
Leavitt & Co., C. W. (Steel  
Railroad) .....D  
Roper Lumber Co., John L.  
18 B'way (Wooden).AAA  
Stanley Rule & Level Co.  
(Cattle) .....AAA  
Wallace Supply Co., 26 Cort-  
landt (Ceedar) .....C  
Wilson, H. P. & H. F., 577  
10th Av. (Bale) .....B  
Wintjen, John G. (Hat  
(Bow) .....E  
**N. Y.—Oneida**  
Oneida Community (Ltd.)  
(Cattle) .....AAA  
**N. Y.—Troy**  
Shields, Wm. H. (Bale)...A  
**N. Y.—Unadilla**  
Tie Co. (Clothes Line, Ham-  
mock Rope) .....D  
**N. Y.—Waverly**  
Baldwin & Son, H. J.  
(Wooden) .....B  
**OHIO—Cincinnati**  
Chaney, W. S., Swift Bldg.  
(Wooden) .....C  
Schriver & Co., O. P., 822  
7th Av. (Wall) .....C  
**OHIO—Cleveland**  
Atlas Car & Mfg. Co. (Steel  
Railroad) .....AA  
Cleveland Cedar Co., Soc.  
for Sav. Bldg. (Wooden)  
A  
Colonial Lumber Co., New  
England Bldg. (Wooden)  
B  
Duplex Hanger Co., 256 Su-  
perior (Wall) .....D  
Kilmer Bale Tie Co., M. D.,  
1062 Hamilton (Steel  
Wire Bale) .....E  
Mahn & Co., 34 Long (Bale)  
E  
**OHIO—Columbus**  
International Fence & Fire  
Proofing Co., Butler Av.  
(Wall) .....A  
**OHIO—Springfield**  
Downey & Co., W. C. (Steel  
Wire Bale) .....C  
**OHIO—Toledo**  
Donovan Wire & Iron Wks.  
Co. (Wall) .....C  
**OREGON—Portland**  
Lindsley Bros. Co., Sherlock  
Bldg. (Wooden) .....B  
**PA.—Allegheny**  
Rieseck, P., Allegheny Av.  
& Rebecca (Wall).....C  
**PA.—Braddeock**  
Griswald Wire Co. (Bale) ..  
B  
**PA.—Philadelphia**  
Hallowel & Co., E. B., 1502  
Market (Wooden) .....C  
Kirby & Hawkins, 26 So.  
15th (Wooden) .....B  
Middleton Co., H. W., 945  
Ridge Av. (Wall) .....F  
Pennsylvania Steel Co.

# **TIES (Con.)**

(Metal) .....AAAA  
Roper Lumber Co. John L.  
Grand Trust Co. (Wooden)  
AAA  
Union Railway Supply Co.,  
Real Estate Bldg. (Wood-  
en Electric Railway) ..O  
**PA.—Pittsburg**  
Carnegie Steel Co. Ltd.)  
(Metal) .....AAAA  
Duquesne Wall Tile Co.  
(Ltd.) Smith Bldg.  
(Wall) .....X  
Gillespie & Co., D. L., Bank  
of Com. Bldg. (Wooden)  
AAA  
McDowell Mfg. Co., 541  
Wood (Steel Wall).....D  
Mead & Speer Park Bldg.  
(Wooden) .....B  
Pittsburg Steel Co. (Cotton)  
AAAA  
Standard Chain Co. (Cattle)  
AAAA  
Union Brick Bond Co., 632  
Pennsylvania Av. (Wall;  
Veneer) .....F  
**PA.—Rockwood**  
Wolf Penrose (Wooden)..C  
**PA.—Sharon**  
Sharon Steel Hoop Co. (Cot-  
ton) .....AA  
**PA.—Thompsontown**  
Thompsontown, Theo. S.  
(Wooden) .....C  
**R. I.—Cumberland**  
McLaughlin, J. (Wooden R.  
R.) .....A  
**R. I.—Providence**  
Clason Architectural Metal  
Wks., 428 Kingsley Av.  
(Wall) .....C  
Hope Webbing Co. (Hat  
Bow) .....AAA  
**S. C.—Charleston**  
Anderson Lumber Co.  
(Wooden) .....B  
Solomons & Co., S. S.  
(Wooden Cross) .....B  
**TENN.—Memphis**  
Merideth Cedar Co., J. P.,  
Equitable Bldg. (Wooden)  
B  
**TENN.—Beaumont**  
Keith Co., J. F. (Wooden)  
A  
**TENN.—Houston**  
Emporia Lumber Co. (Wood-  
en) .....AAA  
**TENN.—Orange**  
Lutcher & Moore Lumber  
Co. (Yellow Pine).AAAA  
**VA.—Norfolk**  
Roper Lumber Co., John L.  
(Wooden) .....AAA  
**VA.—Richmond**  
Conquest & Co., P. L.  
(Railroad) .....F  
Johnson & Briggs, 819 E.  
Main (Wooden) .....A  
**VA.—Talleysville**  
Richardson, R. E. (Wood-  
en) .....B  
**WASH.—Fort Blakely**  
Port Blakely Mill Co.  
(Wooden) .....A  
**WASH.—Seattle**  
Pacific Fir Co., D. Horton  
Bank Bldg. (Wooden)..B  
Puget Sound Timber Pre-  
serving Co., Globe Bldg.  
(Wooden) .....B  
**WASH.—Tacoma**  
Davie Lumber Co., W. C.  
(Wooden) .....C  
**WIS.—Florence**  
McGovern, Peter (Wooden)  
B  
**WIS.—Janesville**  
Pendleton & Gilkey (Wood-  
en) .....A  
**WIS.—Marinette**  
Davis & Stett Co. (Wooden)  
B  
Worcester Co., C. H.  
(Cedar) .....AA  
Wright Bros. (Wooden)..A  
**WIS.—Milwaukee**  
Gem Hammock & Fly Net  
Co. (Cattle) .....A

# TIGHTENERS BELT, ETC.

**CAL.**—San Francisco  
Union Iron Wks., 222 Market .....AAAA  
**COLO.**—Denver  
Davis Iron Wks. Co., F. M. 8th & Larimer .....A  
Midland Dry. & Mach. Wks. Co. ....C  
**CONN.**—Hartford  
Billings & Spencer Co. ....A  
**CONN.**—New Haven  
Hoggson & Pettis Mfg. Co. ....A  
**ILL.**—Chicago  
Allis-Chalmers Co., Home Ins. Bldg. ....AAAA  
Link Belt Mchry. Co., W. 39th & Stewart Av. ....A  
Plamondson Mfg. Co., A., 57 So. Clinton .....A  
**ILL.**—Marseilles  
Marseilles Mfg. Co. ....A  
**ILL.**—Moline  
Barnard & Leas Mfg. Co. AA  
**IND.**—Mishawaka  
Dodge Mfg. Co. ....AAA  
**IND.**—Richmond  
Richmond City Mill Wks. A  
**IOWA.**—Dubuque  
Adams Co. ....B  
**KANS.**—Leavenworth  
Great Western Mfg. Co. AA  
**MD.**—Baltimore  
Poole & Son Co., Robt., 233 E. German .....A  
**MASS.**—Boston  
Amer. Tool & Machine Co., 109 Beach .....AA  
**MASS.**—Orange  
Hunt, Rodney Machine Co. ....A  
**MO.**—St. Louis  
Medart-Patent Pulley Co., 3500 DeKalb .....AA  
**N. Y.**—Buffalo  
Noye Mfg. Co., John T. ....D  
New York City  
Brown Co., A. & F., 26 Cortlandt .....A  
**OHIO.**—Cincinnati  
Lane & Bodley Co., John & Water .....A  
**OHIO.**—Cleveland  
Hill-Clutch Co., ft. Waverly Av. ....D  
**OHIO.**—Cuyahoga Falls  
Falls Rivet & Machine Co. ....A  
**PA.**—Chambersburg  
Wood Sons, T. B. ....A  
**PA.**—Nietown  
Link Belt Engineering Co. ....A  
**PA.**—Philadelphia  
Cresson Co., Geo. V., 18th & Allegheny Av. ....AA  
Fairmount Machine Co., 22nd & Wood .....A  
Sellers & Co. (Inc.) 1600 Hamilton .....AAAA  
**PA.**—Pittsburg  
Jones & Laughlins Steel Co. ....AAAA  
**PA.**—Williamsport  
U. S. Machine Co. ....B  
**VT.**—Montpelier  
Lane Mfg. Co. ....A  
**WIS.**—Milwaukee  
Filer & Stowell Co., Becker & Zeimer .....AAA

## TILE

**CAL.**—Los Angeles  
Pacific Clay Mrg. Co., 651 So. B'way (Drain) .....A  
Pacific Mfg. Co. (Locomotive; Hollow Partition) AA  
**CAL.**—San Francisco  
Clarke & Sons, N., 17 Snear (Drain; Vetrified; Roofing) .....A  
Forderer Cornice Wks. (Galvanized Iron; Roofing) ..D  
Gladding, McBean & Co., Rialto Bldg. (Terra Cotta Roofing Drain) .....AA  
Patent Brick Co. (Paving) AA

**TILE (Con.)**  
**CAL.**—San Jose  
Steiger, Geo. A. (Terra Cotta Roofing) .....X  
**COLO.**—Denver  
Denver Fire Clay Co., 1742 Champa (Locomotive) AA  
**CONN.**—Elmwood  
Goodwin Bros. Pottery Co. (Drain) .....B  
**CONN.**—Hartford  
Hartford Talence Co. (Terra Vitral) .....B  
**CONN.**—New London  
Burch & Co., H. O. (Drain) X  
**D. C.**—Washington  
National Terra Cotta Wks., Thos. Somerville & Sons, 316 13th N. W. (Drain) A  
**GA.**—Macon  
Stevens Sons Co., H. (Locomotive; Drain) .....A  
**ILL.**—Carbon Cliff  
Argillo Wks. (Drain) ....A  
**ILL.**—Chicago  
Brown Bros. Mfg. Co., 22nd & Campbell Av. (Illuminating; Illuminating Sidewalk) .....B  
Chicago Retrot Fire Brick Co., 45th & Clark (Locomotive) .....A  
Chicago Sidewalk Light Co. (Illuminating) .....F  
Dauchy Iron Wks., 88 Illinois (Illuminating) ....B  
Garden City Land Co., Security Bldg (Locomotive) A  
Globe Iron Wks. (Paving) B  
Ludowici Roofing Tile Co., 138 Washington (Terra Cotta Roofing) ....G  
Pioneer Fire Proofing Co., 204 Dearborn (Bake Oven; Sidewalk) .....AA  
Richards & Kelly Mfg. Co., 389 23rd (Illuminating) D  
Sherman & Flavin (Marble) B  
William Co., N. A., Chamber of Commerce Bldg. (Drain) .....B  
**ILL.**—Hillsboro  
Hillsboro Brick & Tile Co. (Drain) .....X  
**ILL.**—Joliet  
Joliet Mound Drain Tile Co. (Drain) .....B  
**ILL.**—Lincoln  
Lincoln Coal Co. (Drain) AA  
**ILL.**—Lodi  
Goodell, Adison Tile Wks. (Drain) .....A  
**ILL.**—Mokena  
Tiffany Enameled Brick Co. (Enameled) .....A  
**ILL.**—Monmouth  
Monmouth Mining & Mfg. Co. (Drain) .....AA  
**ILL.**—Springfield  
Dawson Brick & Tile Co. (Drain) .....D  
**ILL.**—Streator  
Streator Clay Mfg. Co. (Drain) .....A  
**IND.**—Evansville  
Evansville Pressed Brick Co. (Paving) .....C  
First Av. Brick & Tile Co. (Drain) .....C  
**IND.**—Indianapolis  
Clay Shingle Co. (Vetrified Roofing) .....D  
United States Encaustic Tile Co. (Art; Decorative; Encaustic Floor; Mosaic Oramic Floor; Vitrious Floor) .....AA  
**IND.**—Lapel  
White, S. C. (Drain) ....D  
**IOWA.**—Des Moines  
Pale Brick Co. (Drain) ...C  
Iowa Pipe & Tile Co. (Drain) .....A  
**IOWA.**—Grand Junction  
Goodwin Tile & Co.

# **TILE (Con.)**

(Drain) .....B  
**IOWA—Keota**  
 Clarke & Leacock (Drain) F.  
**IOWA—Mason City**  
 American Brick & Tile Co.  
 (Drain) .....B  
 Mason City Brick & Tile  
 Co. (Drain; Vitrified;  
 Sidewalk) .....B  
 Mason City Clay Wks.  
 (Drain) .....C  
**IOWA—Sheffield**  
 Fox, E. P. (Drain) .....H  
**KY.—Covington**  
 Cambridge Tile Mfg. Co.  
 (Art; Decorative; Enam-  
 elled; Encaustic Floor;  
 Mosaic Ceramic Floor;  
 Vitreous Floor) .....A  
**KY.—Newport**  
 Alhambra Tile Co. (Vitreous  
 Floor) .....D  
**MAINE—Bath**  
 Monson Consolidated Slate  
 Co. (Slate Floor) .....B  
**MD.—Baltimore**  
 Baltimore Rubber Co. (In-  
 terlocking Rubber) .....D  
 Baltimore Terra Cotta Wks.  
 (Emma Puttenhouse,  
 Props.) Cor. Covington  
 & Clement (Drain) ....B  
 Bennett Roofing Tile Wks.,  
 Edw., Eden & Allceanna  
 (Terra Cotta Roofing) ..A  
**MASS.—Boston**  
 American Slate Co., Cor.  
 Somerset & Beacon (Slate  
 Floor) .....X  
 Boston Fire Brick Co., Geo.  
 M. Fiske, Mgr., 164 De-  
 vonshire, Mfrs. Agts.  
 (Drain; Terra Cotta Roof-  
 ing) .....A  
 Mathews Consolidated Slate  
 Co., 199 Washington  
 (Slate Floor) .....X  
 Monson Maine Slate Co., 113  
 Devonshire (Slate Floor)  
 .....X  
 Murdock Corporation, 156  
 Boylston (Grate; Flooring  
 Terra Vitrae) .....X  
**MASS.—Chelsea**  
 Low Art Tile Co. (Paving)  
 .....F  
**MASS.—Springfield**  
 Hampden Brick Wks. (Pav-  
 ing) .....A  
**MASS.—Taunton**  
 Presbury Stove Lining Co.  
 (Bake Oven) .....B  
**MASS.—Worcester**  
 Algonquin Red Slate Co.,  
 108 Worcester (Slate  
 Floor) .....B  
 Brownsville Maine Slate Co.  
 (Slate Floor) .....B  
**MICH.—Benton Harbor**  
 McCord & Muller Co.  
 (Drain) .....E  
**MICH.—Detroit**  
 Barnum Wire & Iron Wks.,  
 E. T., 99-105 Shelby (Il-  
 luminating) .....B  
 Christa & Sons, Philip, 504  
 Lafayette Av. (Slate  
 Floor) .....B  
 Russel Wheel & Fdy. Co.  
 (Illuminating; Illuminat-  
 ing Sidewalk) .....AA  
**MICH.—Jackson**  
 Michigan Sewer Pipe Co.  
 (Drain) .....AAAA  
**MINN.—St. Paul**  
 Portland Stone Co. (Ce-  
 ment) .....D  
**MO.—Kansas City**  
 Dickey Clay Mfg. Co., W.  
 S. (Drain) .....A  
**MO.—St. Louis**  
 Bruner Granitoid Co., P.  
 M., 304 N. 8th (Illumin-  
 ating) .....C  
 Evens & Howard Fire Brick  
 Co., 920 Market (Locomo-  
 tive; Drain) .....AAAA  
 Koken Iron Wks., Koken  
 Bldg. (Illuminating) ...B  
 Mound City Roofing Tile

# **TILE (Con.)**

Co. (Terra Cotta Roofing)  
 .....B  
 Nelson Mfg. Co., N. O. ....AAA  
 St. Louis Terra Cotta Co.,  
 5815 Manchester Av. (Ter-  
 ra Cotta Roofing) .....C  
 St. Louis Vitrified & Fire  
 Brick Co. (Locomotive)  
 .....A  
 Union Iron & Fdry. Co.,  
 1458 So. 2nd (Illuminat-  
 ing) .....A  
**N. J.—Camden**  
 Montrose Metal Shingle Co.  
 (Copper; Galvanised Steel;  
 Tin) .....D  
**N. J.—Jersey City**  
 Gautier & Co., J. H. (Gas  
 House) .....AA  
**N. J.—Matteawan**  
 New Jersey Mosaic Tile Co.  
 (Mosaic Ceramic Floor) ..C  
**N. J.—Newark**  
 Gerhard, Frank J., 236 18th  
 Av. (Drain) .....D  
**N. J.—Old Bridge**  
 Old Bridge Enamelled Brick  
 & Tile Co. (Art; Decorat-  
 ive) .....B  
 Pardee Works, O. (Art &  
 Decorative) .....AAA  
 Perth Amboy Terra Cotta  
 Co. (Paving) .....AA  
**N. J.—Sewaren**  
 Boynton, C. W. (Roofing;  
 Drain) .....A  
**N. J.—Trenton**  
 Imperial Porcelain Wks.  
 (Art; Decorating) ....AA  
 Providential Tile Wks., Em-  
 terprise Av. (Art Decor-  
 ative) .....O  
 Superior Fire Lining Co.  
 (Locomotive) .....D  
 Trenton Tile Co. (Art; Dec-  
 orative; White; Colored;  
 Vitreous Floor) .....AA  
**N. J.—Woodbridge**  
 Valentine & Bro. Co., M.  
 D. (Drain) .....AA  
**N. Y.—Albany**  
 Jackson, Jno. H., 142 3rd  
 Av. (Drain) .....B  
**N. Y.—Alfred**  
 Alfred Clay Co. (Terra Cot-  
 ta Roofing) .....E  
**N. Y.—Brooklyn**  
 Cooper, Jno., 496 Oakland  
 (Drain) .....C  
 Meurer Bros. Co. (Metallic;  
 Spanish Shapes; Roofing)  
 .....AA  
 New York Vitrified Tile Co.,  
 79 4th (Encaustic Floor)  
 .....E  
**N. Y.—East Bethany**  
 Peck, Richard (Drain) ...D  
**N. Y.—Dutchess Junction**  
 Aldridge Bros. & Co. (Pav-  
 ing) .....B  
**New York City**  
 Buess, Wm. (Slate Floor)  
 .....E  
 Celadon Roofing Tile Co.  
 (Ltd.) 156 5th Av. (Con-  
 osera Roofing; Glass Roof-  
 ing; Promenade Roofing;  
 Celadon Roofing; Terra  
 Cotta Graduated Roofing)  
 .....A  
 Cornell, J. B. & J. M., 26th  
 & 11th Av. (Illuminating)  
 .....AA  
 Duffy & Co., J. P., 440 E.  
 138th (Drain) .....B  
 Graf, Frank H., 322 7th Av.  
 (Mosaic) .....D  
 Gutta Percha & Rubber Mfg.  
 Co., 126 Duane (Rubber)  
 .....AAAA  
 Jackson & Co., Wm. H.  
 (Paving) .....D  
 Kriescher & Sons, B. (Inc.)  
 (Paving) .....B  
 Manhattan Glass Tile Co.,  
 157 10th Av. (Opal Glass)  
 .....D  
 Manhattan Rubber Mfg. Co.,  
 18 Vesey (Rubber) ...AA  
 Mark, Jacob, 7 Worth (Il-

**TILE (Con.)**  
 luminating) .....D  
 Maurer & Son, Henry, 420  
 E. 23rd (Paving; Bake  
 Oven; Locomotive; Green-  
 house) .....AA  
 New York Belting & Pack-  
 ing Co. (Ltd.) 23 Park  
 Place (Interlocking Rub-  
 ber) .....AA  
 New York Pottery Co., 630  
 W. 36th (Drain).....X  
 Penrhyn Slate Co., 101 E.  
 17th (Slate Floor).....X  
 Person, O. D., 160 5th Av.  
 (Akron; Terra Cotta;  
 Roofing; Terra Cotta;  
 Graduated Roofing) .....X  
 Pierson & Co., Arthur N., 1  
 Park Row (Mfrs. Agts.)  
 (Drain) .....C  
 Rossmann, Robert, 64 E. 11th  
 (Vitrous Floor) .....B  
 Schroeder, Rudolph, 444  
 Greenwich (Impr. French  
 Flint Art) .....D  
 Weber Co., Adam (Paving)  
 AA  
**N. Y.—Rochester**  
 Rochester Brick & Tile Mfg.  
 Co., Powers Bldg (Drain) B  
 Rochester Sewer Pipe Co.,  
 Powers Bldg. (Drain)....B  
 Standard Sewer Pipe Co., 8  
 Caledonia (Drain).....A  
**N. Y.—Syracuse**  
 Onondaga Vitrified Brick  
 Co. (Drain) .....B  
**N. Y.—Troy**  
 Ostrander Fire Brick Co.  
 (Locomotive) .....A  
 West Side Fdry. Co. (Il-  
 luminating) .....A  
**N. Y.—Utica**  
 Palmer, C. F. (Illuminat-  
 ing) .....C  
**N. C.—Pomona**  
 Pomona Terra Cotta Co.  
 (Drain) .....B  
**OHIO—Akron**  
 Akron Fire Brick Co. (Loco-  
 motive) .....B  
 Akron Roofing Tile Co.  
 (Promenade Roofing; Ro-  
 man Grecian Roofing;  
 Terra cotta Roofing; Ter-  
 ra Cotta Graduated Roof-  
 ing) .....B  
 Diamond Rubber Co. (Rub-  
 ber) .....AAAA  
 Goodrich Co., B. F. (Rub-  
 ber) .....AAAA  
**OHIO—Canton**  
 Berger Mfg. Co. (Metallic  
 Roofing; Graduated Me-  
 tallic Roofing; Spanish  
 Shapes) .....AA  
**OHIO—Cincinnati**  
 Cincinnati Roofing Tile &  
 Terra Cotta Co., Mitchell  
 Av. & B. & O. S. W. Ry.  
 (Terra Cotta Roofing;  
 Terra Cotta Graduated  
 Roofing) .....O  
 Cincinnati Sewer Pipe Co.  
 (Pipe) .....E  
 Tygart Fire Brick Co., 706  
 Burns (Locomotive) ....C  
**OHIO—Cleveland**  
 Brooks & Co., T. H. (Il-  
 luminating) .....A  
 Garry Iron & Steel Co.  
 (Hollow Partition & Tin)  
 A  
**OHIO—Columbus**  
 Columbus Brick & Terra  
 Cotta Co. (Paving).....A  
 Taylor Mantel & Grate Co.,  
 Wm. M. (Slate Floor)....B  
 Union Brick & Supply Co.  
 Ruggery Bldg. (Akron  
 Roofing) .....E  
**OHIO—Eaton**  
 St. Clair Tile Co. (Drain).F  
**OHIO—Greenville**  
 Richeson, Nelson & Moore  
 (Drain) .....C  
**OHIO—Jeffersonville**  
 Allen, Geo. (Drain) .....G  
**OHIO—Lima**  
 National Tile Roofing Co.  
 (Interlocking Terra Cotta

**TILE (Con.)**  
 Roofing) .....X  
**OHIO—Logan**  
 Hocking Clay Mfg. Co. (En-  
 caustic Sidewalk).....B  
 Logan Brick Mfg. Co.  
 (Glazed Sidewalk) .....C  
**OHIO—Millbury**  
 Diefenthaler Co. (Drain)...D  
**OHIO—Monroeville**  
 Mason & Son, F. H. (Drain)  
 E  
**OHIO—Ravenna**  
 Mishler Bros. (Drain)....E  
**OHIO—Salem**  
 Mullens, W. H. (Metallic;  
 Graduated Roofing; Span-  
 ish Shapes; Roofing)....A  
**OHIO—Shiloh**  
 France, F. J. (Drain).....D  
**OHIO—Sidney**  
 Bennett, M. (Drain).....D  
**OHIO—Union**  
 Purcell, Geo. W. (Drain).E  
**OHIO—Vigo**  
 Vigo Brick & Tile Co.  
 (Drain) .....H  
**OHIO—Warsaw**  
 Warsaw Brick & Tile Wks.  
 (Drain) .....D  
**OHIO—Westerville**  
 Everal, J. W. (Drain) ....D  
**OHIO—Youngstown**  
 Republic Rubber Co. (Rub-  
 ber) .....AA  
**OHIO—Zanesville**  
 Amer. Encaustic Tiling Co.  
 (Art; Decorative; Enam-  
 eled; Encaustic Floor; Mo-  
 saic Ceramic Floor; Vi-  
 treous Floor) .....AA  
 Mosaic Tile Co. (Art; Deco-  
 rative; Encaustic Floor;  
 Mosaic Ceramic Floor; Vi-  
 treous Floor) .....A  
**PA.—Bangor**  
 Amer. Slate Co. (Slate  
 Floor) .....AA  
**PA.—Beaver Falls**  
 Beaver Falls Art Tile Co.  
 (Art; Decorative) .....B  
**PA.—Clearfield**  
 Clearfield Clay Working Co.  
 (Drain) .....B  
**PA.—Connellsville**  
 Schison Fire Brick Co., Jos.  
 (Sidewalk) .....B  
**PA.—Danielsville**  
 Hower, J. K. (Slate Floor)  
 B  
**PA.—East Bangor**  
 East Bangor Consolidated  
 Slate Co. (Slate) ....AA  
**PA.—Easton**  
 Penna Structural Slate Co.  
 (Slate Floor) .....B  
**PA.—Erie**  
 Continental Rubber Wks.  
 (Rubber) .....A  
**PA.—Philadelphia**  
 Cortwright Metal Roofing  
 Co. (Metallic Roofing) B  
 Gara, McGinley & Co.  
 (Metal) .....A  
 Merchant & Co., 517 Arch  
 (Metallic; Graduated  
 Roofing; Metallic Roof-  
 ing; Spanish Shapes) AA  
**PA.—Pittsburg**  
 Amer. Cement Tile Mfg.  
 Co., 208 Wood (Cement;  
 Flat Roofing for Factor-  
 ies, Depots, etc.) .....B  
 Harbison-Walker Refracto-  
 ries Co., Farmers' Bank  
 Bldg. (Locomotive) AAAAA  
 Kier Fire Brick Co., 841  
 8th Av. (Locomotive) ..B  
 Lincoln Fire Brick & Shape  
 Co., 1st Natl. Bank Bldg.  
 (Locomotive) .....A  
 Manown Mfg. Co. (Locomo-  
 tive) .....AAAA  
 National Fire Proofing Co.,  
 Frick Bldg. (Locomotive)  
 AAAAA  
 Pittsburg & Buffalo Co.,  
 Park Bldg. (Drain) AAAAA  
 Star Encaustic Tile Co.,  
 Bluff nr. Grist (Art; Deco-  
 rative; Encaustic Floor)  
 B  
 Welch Fire Brick Wks.,

**TILE (Con.)**  
 House Bldg. (Locomotive) B  
 White, Scott A., Lewis Bldg. (Mfrs. Agt.) (Terra Cotta Roofing) ..... B  
**PA.—Slatington**  
 Slatington Slate Co. (Slate Floor) ..... B  
 Washington Slate Co. (Slate Floor) ..... C  
**PA.—Wind Gap**  
 Pelican Slate Mfg. Co. (Wind Gap) ..... E  
**TENN.—Chattanooga**  
 Montague & Co. (Drain; Boiler) ..... A  
**TEXAS.—San Antonio**  
 Mackey Brick & Tile Mfg. Co. (Paving) ..... B  
**VT.—Fair Haven**  
 Allens' Sons; S. (Slate Floor) ..... D  
 Coulman & Westcott (Slate Floor) ..... D  
 Eureka Slate Quarries (A. Tuttle, Treas.) ..... B  
 Fair Haven Marble & Marbleized Slate Co. (Slate Floor; Marble) ..... B  
**VT.—Hydeville**  
 Minogue Bros. & Quinn (Slate Floor) ..... D  
**VT.—Poultney**  
 Fleming Slate Co. (Slate Floor) ..... C  
**VT.—Rutland**  
 Rutland Fire Clay Co. (Locomotive) ..... B  
**VA.—Arvonia**  
 Williams Slate Co. (Slate Floor) ..... B  
**WASH.—Seattle**  
 Denny Clay Co. (Drain; Locomotive) ..... A  
**WASH.—Spokane**  
 Washington Brick, Lime & Mfg. Co. (Locomotive) A  
**W. VA.—Huntington**  
 Ohio Valley Clay Shingle Co. (Vitrified Flat Terra Cotta Roofing; Shingles) B

**W. VA.—Parkersburg**  
 United States Roofing Tile Co. (Terra Cotta Roofing) B

**WIS.—Boscobel**  
 Ruka Bros. Mfg. Co. (Paving) ..... C

**WIS.—Milwaukee**  
 Bayley & Sons Co., Wm., 782 Greenbush (Illuminating) ..... X

## TILINGS

**COLO.—Denver**  
 Denver Fire Clay Co. (Fire Clay) ..... AA

**CONN.—Bridgeport**  
 American Tube & Stamping Co. (Steel Floor) ..... AAAA

**New York City**  
 N. Y. Belting & Packing Co. (Interlocking Rubber) AAA

**Reconstructed Granite Co.,**  
 14 Dey (Acid; Proof for Chemical Works) ..... D

**OHIO.—Cleveland**  
 Dover Fire Brick Co. (Fire Clay) ..... B

**OHIO.—Wellsville**  
 Vulcan Clay Co. (Fire Clay) B

**PA.—Dunbar**  
 Dunbar Fire Brick Co. (Fire Clay) ..... B

**PA.—Pen Argyl**  
 Crown Slate Co. .... C  
**PA.—Philadelphia**  
 Pfeifer & Co., (Ltd.) , Jno., 224 Race (Slate) ..... A

## TILLS

**ILL.—Chicago**  
 Chicago Scale Co. (Alarm) A

**IND.—Indianapolis**  
 Tucker & Dorsey Mfg. Co. (Alarm) ..... A

**TILLS (Con.)**  
**R. I.—Providence**  
 Miles Alarm Till Mfg. Co. (Alarm) ..... O

## TIMBER

See also Lumber

**FLA.—Pensacola**  
 Thornton, H. H. (Bridge) F

**GA.—Savannah**  
 Southern Pine Co., of Georgia (Bridge) ..... AAA

**KANS.—Verdi**  
 Verdi Mill Co. (Building; Mining) ..... D

**LA.—Lake Charles**  
 Bradley-Ramsey Lumber Co. (Bridge) ..... AAAA

**MICH.—Bay City**  
 Michigan Pipe Co. (Bridge; Creosoted) ..... AA

**MINN.—Minneapolis**  
 Coolidge Fuel & Supply Co. (Eridge) ..... E

**TEXAS.—Nona**  
 Cameron & Co., Wm. (Bridge) ..... AAAA

**VA.—Norfolk**  
 Roper Lumber Co., John L. (White Cedar; Boat) AAA

## TIN

See also Sheets: Iron & Steel; also Tinplate

**CAL.—San Francisco**  
 Selby Smelting & Lead Co. (Bar; Pig) ..... AAA

**COLO.—Denver**  
 Colorado Fuel & Iron Co. (Plate) ..... AAAA

**DEL.—Marshallton**  
 Marshallton Iron & Steel Co. (Plate) ..... D

**DEL.—Newport**  
 Marshall Iron Co. (Plate) B

**ILL.—Chicago**  
 Warrington & King Perforating Co., 224 Union (Perforated) ..... A

**Raymond Lead Co., 51 W. Lake (Pig) ..... AAAA**  
**Ryan & Co., J. J., 68 W. Monroe ..... O**

**IND.—Atlanta**  
 Atlantic Rolling Mill & Tin Plate Co. (Plate) ..... O

**KY.—Covington**  
 Licking Rolling Mill Co. (Plate, also Black Plate) B

**MD.—Cumberland**  
 Cumberland Steel & Tin Plate Co. (Bright Sheet) AA

**MASS.—Boston**  
 Brown-Wales Co. .... A  
 Chadwick - Boston Lead Works (Bright Sheet) AA

**Merrimac Chem. Co. (Crystals) ..... AA**  
**Waite-Ranlet & Co. .... B**

**MO.—St. Louis**  
 Hertz Metal Co. Theo. (Bar) ..... D

**St. Louis Stamping Co. (Bright; Sheet) ..... AAAA**  
**N. J.—Jersey City**  
 Williams & Son E. A. (Bar) AAA

**N. Y.—Brooklyn**  
 Tin Plate Derorating Co. (Decorated) ..... O

**Wiarda & Co. John C. (Teathered) ..... AA**  
**New York City**  
 American Metal Co. 52 Bway. (Bar; Pig) ..... AAAA

**Behr & Steiner, 81 Fulton (Pig) ..... A**  
**Davol & Sons John, 100 John (Bar; Pig) ..... AA**  
**Frankel, J., 81 Fulton (Pig) B**

**Hendricks Bros., 49 Cliff (Bar; Pig) ..... AAAA**  
**Lisberger & Co., B., 738 E. 14th (Bar; Pig) ..... B**  
**Lisberger & Son, Mark, 897 W. 12th (Bar; Pig) .... B**

# TIN (Con.)

Mundt & Son, Chas., 441  
 Pearl (Perforated) ....B  
 Nassau Smelting & Refg.  
 Co. (Bar) .....AAAA  
 National Lead Co., 100 Wil-  
 liam (Pig) .....AAAA  
 Phelps, Dodge & Co., 99  
 John (Pig) .....AAAA  
 Rutter & Co., Arthur T.,  
 256 Bway. ....F  
 French & Co., C. S., 81 Ful-  
 ton (Pig) .....A  
 Vogelstein, L., 90 Wall  
 (Pig) .....X  
 Vulcan Detinning Co., 157  
 Cedar (Pig) .....A  
**N. Y.—Niagara Falls**  
 Archer Process Co. (Bichlo-  
 ride; Oxide) .....D  
**N. Y.—Syracuse**  
 Empire Metal Co. (Phos-  
 phor) .....A  
 Syracuse Smelting Works  
 (Pig) .....X  
**OHIO—Canton**  
 Carnahan Tin Plate & Sheet  
 Co. (Plate; Black Sheets  
 for Tin Plate) .....AA  
**OHIO—Cincinnati**  
 American Galvanized & Tin  
 Plate Co. (Roofing) ....E  
**OHIO—Cleveland**  
 Bassett-Pressley Co. ....AA  
 Garry Iron & Steel Co. ....A  
 Grasselli Chem. Co. (Bichlo-  
 ride; Crystals) .....AAAA  
**OHIO—Lisbon**  
 Beaver Tin Plate Co. (Br.  
 American Tin Plate Co.,  
 N. Y. C.) (Roofing;  
 Bright Sheet) .....AAAA  
**OHIO—Zanesville**  
 Muskingum Valley Steel Co.  
 (Plate) .....A  
**PA.—Canonsburg**  
 Canonsburg Iron & Steel Co.  
 (Plate; Roofing; Bright  
 Sheet) .....A  
 Standard Tin Plate Co.  
 (Plate) .....B  
**PA.—Philadelphia**  
 American Tin & Terne Plate  
 Co. (Plate) .....A  
 Gummey, McFarland & Co.  
 (Bright Sheet) .....A  
 McClure & Co., 115 N. 7th  
 (Plate) .....AAAA  
 Marshall Bros. & Co. (Roof-  
 ing) .....AA  
 Merchant & Co. ....AA  
 Taylor Co., N. & J. (Plate;  
 Roofing; Bright Sheet)  
 AAAAA  
 Trotter & Co., Nathan, 86  
 N. Front (Pig) .....AA  
**PA.—Pittsburg**  
 Alcania Co., Murland Bldg.  
 (Plate) .....B  
 American Sheet & Tin  
 Plate Co. (Continuous  
 Roofing Taggers), AAAAA  
 American Tin Plate Co.,  
 Carnegie Bldg. (Br. N. Y.  
 C.) (Plate) .....AAAA  
 Duquesne Co. (Bright Sheet)  
 O  
 Ferguson Tin Plate Co.  
 (Ltd.) (Terne Plates) ..D  
 Follansbee Bros. Co. (Plate)  
 AA  
 Pope Tin Plate Co., 421  
 Wood (Plate) .....B  
**PA.—Washington**  
 Griffiths Charcoal Iron Mills  
 (Plate) .....B  
 Washington Charcoal Iron  
 Tin Mills (Plate) .....A  
**PA.—Waynesburg**  
 Griffiths Co., W. H.  
 (Plate) .....A  
 Waynesburg Forge Sheet &  
 Tin Mill (Plate) .....A  
**VA.—Richmond**  
 Old Dominion Iron & Nail  
 Works Co. (Plate; Roof-  
 ing) .....A  
**W. VA.—Clarksburg**  
 Jackson Iron & Tin Plate  
 Co. (Plate) .....X  
**W. VA.—Parkersburg**  
 Parkersburg Iron & Steel  
 Co. (Plate) .....AA

# TIN (Con.)

**W. VA.—Wheeling**  
 Wheeling Corrugating Co.  
 (Plate; Roofing; Bright  
 Sheet) .....A  
**WIS.—Waukesha**  
 Waukesha Sheet Steel Co.  
 (Plate) .....O

# TINCTURES

**ILL.—Chicago**  
 Baker & Co., Chas. S. ....O  
**IND.—Indianapolis**  
 Lilly & Co., Eli .....AA  
**MD.—Baltimore**  
 Sharpe & Dohme .....AAA  
 New York City  
 Fairchild Bros. & Foster AA  
 Keith & Co., B. ....F  
 McKesson & Robbins AAAAA  
 Schieffelin & Co., W. H. AA  
**PA.—Philadelphia**  
 Hance Bros. & White ..AA  
**TENN.—Nashville**  
 Spurlock, Neal & Co. ....A

# TINFOIL

See also Foil

**ILL.—Chicago**  
 Crooke Co., J. J. (Br. N. Y.  
 C.), 88 ILL. ....AA  
 Hutchinson & Son, W. H.,  
 196 Desplaines .....A  
**MASS.—Boston**  
 Cabot, Edwin S., 83 Sudburg  
 B  
 Rosenfeld Co., M. C., 16  
 Portland .....E  
**MO.—St. Louis**  
 Johnston Tinfoil & Metal  
 Co., 6016 S. Bway. ....A  
**N. Y.—Brooklyn**  
 Witeman Bros., Walcott &  
 Ferris .....A  
**N. Y.—Kingston**  
 Republic Tinfoil & Bottle  
 Cap Co. ....D  
 New York City  
 Budde & Westerman, 50  
 Vesey .....B  
 Conley Tin Foil Co., 539 W.  
 25th. ....AAA  
 Crooke Co., J. J., 155 Av. D.  
 AA  
 Lehmaier, Schwartz & Co.,  
 207 E. 22d. ....AA  
**PA.—Philadelphia**  
 Patent Metal Co., 609 N.  
 24th ( for Tob. Confec.;  
 Perfumery) .....AA

# TINPLATE

See also Tin

**DEL.—Newport**  
 Marshall Iron Co. ....A  
**ILL.—Chicago**  
 Sturgis & Burn Mfg. Co.  
 (Harrison & Greene) ..A  
**KY.—Louisville**  
 Todd-Donagan Iron Co., 817  
 W. Main .....A  
**MD.—Cumberland**  
 Maryland Tinplate Co. ..AA  
**MICH.—Detroit**  
 Buhl Stamping Co. ....AA  
**MO.—St. Louis**  
 Souther Iron Co., E. E. ..A  
**N. Y.—Brooklyn**  
 Meurer Bros., 569 Flushing  
 Av. ....A  
**N. Y.—New York City**  
 Dickerson, Van Dusen &  
 Co., 27 Cliff .....AA  
**OHIO—Canton**  
 Carnahan Tinplate & Sheet  
 Co. ....AA  
**OHIO—Cincinnati**  
 Lawson Co., F. H., 440  
 Maine .....A  
**OHIO—Cleveland**  
 Garry Iron & Steel Co. ..A  
**OHIO—Zanesville**  
 Muskingum Valley Steel Co.  
 A  
**PA.—Philadelphia**  
 Hall & Carpenter, 518 Race  
 AA

**TINPLATE (Con.)**

McClure & Co., 301 Forest  
AAA  
Merchant & Co., 517 Arch  
AA  
Taylor & Co., N. & G., Ma-  
rine & Merchant Bldg  
AAA  
PA.—Pittsburg  
American Sheet & Tin Plate  
Co., Frick Bldg. ....AAAA  
Dilworth, Porter & Co. ...A  
Follansbee Bros. Co. ....AAA  
Hellman & Son, J. H. ...A  
Pope Tin Plate Co., 421  
Wood .....A  
PA.—Washington  
Griffiths Charcoal Iron Mills  
A  
PA.—Waynesburg  
Griffiths Co., W. H. ....A  
Waynesburg Forge Sheet &  
Tin Mills .....A  
VA.—Richmond  
Old Dominion Iron & Nail  
Works Co. ....AA

**TINS**

See also Tinware

ILL.—Chicago  
Acme Flexible Clasp Co.,  
17th & Clark (Bung; for  
Barrels) .....B  
MICH.—Lowell  
Lowell Specialty Co. (Cake)  
F  
N. Y.—Bath  
Richardson Mfg. Co. (Cake)  
E  
N. Y.—Brooklyn  
Silver & Co., 304 Hewes  
(Egg) .....C  
N. Y.—Buffalo  
Shepard & Co., Sidney (Pie;  
Cake) .....AAAA  
N. Y.—Rochester  
Rochester Stamping Co.  
(Pie) .....AAA  
PA.—Pittsburg  
Forster, J. C., 101 Water  
(Cake; Cracker) .....F

**TINWARE**

CONN.—Meriden  
Manning, Bowman & Co.  
AA  
CONN.—Middletown  
Smith Mfg. Co., J. O. (Sta-  
tioners) .....X  
ILL.—Chicago  
Adams & Westlake Co. (Ja-  
panned) .....AAA  
Norton Bros. (Inc.) (Japan-  
ned; Druggists') .....AAA  
Sturgis & Burn Mfg. Co.  
(Pieced; Stamped) ....A  
Wilson & Co., F. C. (Drug-  
gists'; Painters') .....B  
ILL.—Peoria  
Stuber & Kuck .....B  
IND.—Indianapolis  
Cooney & Geiger .....B  
MAINE—Bangor  
Wood & Bishop Co. ....A  
MD.—Baltimore  
Matthi. Ingram & Co. (Anti  
Rustling; Heavy; Japan-  
ned; Ornamented; Pieced;  
Stamped) .....F  
MASS.—Boston  
Gray & Sons, Peter, 88 Un-  
ion .....C  
MASS.—Holyoke  
Holyoke Machine Co. (Deco-  
rated) .....AA  
MO.—Kansas City  
Gille Mfg. Co. ....A  
MO.—St. Louis  
Geisel Mfg. Co., A. ....A  
Handlan-Buck Mfg. Co.  
(Railroad) .....AA  
St. Louis Stamping Co. (Ja-  
panned) .....AAAA  
Standard Stamping Co. ....A

N. Y.—Albany  
Hoy & Co., (Japaned;  
Stamped) .....A  
N. Y.—Brooklyn  
Bliss Co., E. W. (Ornamen-  
tal) .....AAAA

**TINWARE (Con.)**

Somers Bros. (Amer. Can  
Co.) (Ornamental) AAAAA  
Sweeney Mfg. Co., W. H.,  
86 Water .....B  
Vogel & Bro., Wm. (Drug-  
gists) .....AA  
Wallace Co., John, 400 So.  
2d .....B  
N. Y.—Buffalo  
Shepard & Co., Sidney (Ja-  
panned; Pieced; Stamp-  
ed; Druggists'; Grocers';  
Spice Dealers') .....AAAA  
N. Y.—Canandaigua  
Lisk Mfg. Co. (Std.) AAA  
N. Y.—Cattaraugus  
Oakes & Burger (Cheese  
Factory; Creamery) ...B  
New York City  
Block, Jacob (Japaned;  
Stamped) .....D  
Central Stamping Co., 24  
Cliff (Stamped) .....AA  
H. & H. Mfg. Co., 554 W.  
25th (Nickel Silver Cook-  
ing) .....A  
Haberman Mfg. Co. (Japan-  
ned; Stamped) .....X  
Iron Clad Mfg. Co. (Japan-  
ned) .....AAA  
Lalanc & Grosjean Mfg.  
Co., 19 Cliff (Japaned) AAAAA  
Morgan & Cornell (Grocers')  
X  
National Enamelling &  
Stamping Co. ....AAAA  
Reilly Bros. (Shop; Paint-  
ers') .....D  
Schlesinger & Co., Leo, 372  
South .....A  
Sternan & Co., S., 204  
Chure (Cooking; Etc.) A  
Stoutenborough, X (Anti-  
Rusting; Grocers') .....D  
N. Y.—Syracuse  
Fisk, C. H. ....C  
N. Y.—Troy  
Troy Stamping Works (Ja-  
panned; Ornamented;  
Stamped) .....AAAA  
OHIO—Cincinnati  
Cincinnati Stamping Co.  
(Stamped; Japaned) ..B  
Cincinnati Tin & Japan Co. B  
OHIO—Cleveland  
Hunt Stamping Works, H.  
B. (Amer. Can Co., N. Y.  
C.) .....AAAA  
Osborn Mfg. Co. (Pieced;  
Stamped) .....A  
PA.—Allegheny  
Wall Mfg. Supply Co., P. B  
PA.—Parsons  
Trethaway Bros. ....A  
PA.—Philadelphia  
Ellis & Sons Co., Geo. D.  
(Curriers') .....C  
Haslet, Flanagan & Co.,  
16k 2d (Japaned) ...B  
Hilley & McAleer, Grand &  
5th .....B  
PA.—Wilkesbarre  
Bertel's Son & Co., W. B. A  
R. I.—Providence  
Hill Mfg. Co., Jas. ....B  
TENN.—Memphis  
Wetter Mfg. Co. (Japaned;  
Pieced; Stamped) ....AA  
TENN.—Nashville  
Phillips & Buttorf Mfg. Co.  
AAA  
WIS.—Milwaukee  
Kleckhefer Bros. Co. (Br.  
Nat'l Enamel & Stamp  
Co., N. Y. C.) .....AAAA

**TIPPERS**

See Machy: Laundry

**TIPPLES**

ILL.—Chicago  
Allis-Chalmers Co., Home  
Ins. Bldg. (Mine) AAAAA

# TIPPLES (Con)

**MINN.—**Minneapolis  
 Minneapolis Steel & Mchry.  
 Co. (Mine) .....A  
**OHIO—**Akron  
 Webster, Camp & Lane  
 Mach. Co. (Mine; Steel) A  
**OHIO—**Cleveland  
 Brown Holsting Machry Co.  
 (Coal) .....AAAA  
 Garry Iron & Steel Co.  
 (Coal) .....A  
**OHIO—**Columbus  
 Jeffrey Mfg. Co. (Coal) AA  
**OHIO—**Nelsonville  
 Nelsonville Foundry & Ma-  
 chine Co. (Mine; Steel) B  
**PA.—**Claysville  
 South Pittsburg Iron Wrks.  
 (Coal) .....B  
**PA.—**Monongahela  
 Monongahela Mfg. Co.  
 (Mine; Steel; Wood)..C  
**PA.—**Pittsburg  
 Heyl & Patterson (Coal;  
 Mine; Steel) .....A  
 Scaife & Sons Co., Wm. B.  
 (Coal; Mine; Steel) AAA  
**PA.—**Shamokin  
 Mullen & Son, John (Coal  
 (Mine) .....A  
**W. VA.—**Fairmont  
 Helmick Foundry Machine  
 Co. (Mine) .....D  
**WIS.—**Cudahy  
 Power & Mining Mchry. Co.  
 (Mine) .....AAA

# TIPS

See also Hardware; Carriage

**CONN.—**Bridgeport  
 Canfield, H. O. (Rubber) B  
 Gaynor & Mitchell Mfg. Co.  
 (Acorn) .....C  
**CONN.—**Middletown  
 Rogers & Hubbard Co.  
 (Syringe) .....A  
**CONN.—**Mount Carmel  
 Woodruff & Sons, Walter  
 W. (Shaft; Hame; Neck  
 Yoke; Pole; Whiffletree) A  
**CONN.—**New Haven  
 Cowles & Co., C. (Shaft;  
 Neck Yoke) .....A  
**ILL.—**Chicago  
 Morgan & Wright (Inc., 838  
 W. Lake (Rubber for  
 Chairs; Canes; Crutches;  
 Etc.) .....AA  
 Spinks & Co., Wm. A., 3  
 N. Clark (Billiard Cue) C  
**IND.—**Elkhart  
 Buescher Mfg. Co. (Shaft) X  
**IND.—**Indianapolis  
 Automatic Crip Neck Yoke  
 Co. (Shaft; Neck Yoke) B  
**MAINE—**Portland  
 Cox & Son, A. F. (Shoe) F  
**MASS.—**Andover  
 Tyler Rubber Co. (Rubber  
 Chair; Crutch) .....AA  
**MASS.—**Boston  
 Amer. Shoe Tip Co. (Shoe) B  
 Bailey & Co., C. J. (Crutch) B  
 Chase & Co., L. C. (Horse;  
 Ear) .....AAA  
 Elastic Tip Co. (Chair;  
 Crutch; Screw) .....B  
**MASS.—**Lynn  
 Cochey, Joseph H. (Shoe) D  
 Houghton & Sons, Jas.  
 (Shoe) .....X  
**MICH.—**Detroit  
 Schulenburg Mfg. Co. (Cue) O  
**N. J.—**Newark  
 Dawson & Co., I. W. (Shoe) X  
 Searles Mfg. Co. (Shaft) B  
 Smith Co., Hugh (Inc.)

# TIPS (Con.)

(Shoe) .....A  
**N. Y.—**Binghamton  
 Crandal, Stone & Co.  
 (Shaft) .....A  
**N. Y.—**Buffalo  
 Pratt & Letchworth (Neck  
 Yoke) .....AAA  
**N. Y.—**Dobbs Ferry  
 Clough, Theo. (Gas Burner) D  
**New York City**  
 Grote & Co., F. (Cue) ..D  
 Kelsey, Albert (Horse;  
 Ear) .....B  
 Kirchberger & Co., M., 50  
 Warren (Imptrs-Lava Gas  
 Burner) .....C  
 Marks, A. A., 70 B'way  
 (Rubber; Chair; Crutch) AA  
 Metal Stamming Co. (Shaft) A  
**New York Belting & Pack-  
 ing Co.** (Rubber; Chair;  
 Crutch) .....AAA  
 Parker, Stearns & Sutton  
 (Pencil) .....B  
 Rubber Goods Mfg. Co., 253  
 B'way (Rubber Chair;  
 Crutch) .....AAA  
 Smith, Worthington & Co.  
 (Horse; Ear) .....B  
 Thurnauer & Bro., G. M.,  
 35 Park Place (Imptrs.  
 Lava Gas Burner) ....X  
**OHIO—**Akron  
 Goodrich Co., B. F.  
 (Crutch) .....AAAA  
**OHIO—**Cleveland  
 Cleveland Hardware Co.  
 (Shaft) .....AA  
**TENN.—**Chattanooga  
 State Line Mfg. Co. (Lava  
 Gas Burner) .....O  
 Steward Mfg. Co., D. M.  
 (Lava Gas Burner) ....B  
**WIS.—**Racine  
 Racine General Mfg. Co.  
 (Shaft) .....E  
 Racine Malleable &  
 Wrought Iron Co. (Shaft) A

# TIRES

See also Hardware; Carriage

**CONN.—**Hartford  
 Hartford Rubber Wrks. Co.  
 (Pneumatic; Carriage;  
 Rubber) .....AAAA  
**ILL.—**Chicago  
 Bunker Saddle Co. (Car-  
 riage; Pneumatic) .....F  
 Illinois Steel Co., The Book-  
 ery) (Steel) .....AAA  
 Morgan & Wright (Pneu-  
 matic) .....AA  
 Republic Iron & Steel Co.  
 Half Oval Steel) .AAAA  
**IND.—**Indianapolis  
 G. & J. Tire Co. (Pneumat-  
 ic) .....B  
 Indianapolis Rubber Co.  
 (Pneumatic) .....A  
**MASS.—**Boston  
 Bailey & Co., C. J. (Bicy-  
 cle) .....B  
 Boston Belting Co. (Bicycle;  
 Carriage; Rubber) AAAA  
 Boston Woven Hose & Rub-  
 ber Co. (Bicycle) .AAAA  
**MICH.—**Three Rivers  
 Sheffield Car Co. (Steel) AA  
**N. J.—**Trenton  
 Crescent Belting & Packing  
 Co. (Bicycle) .....A  
 Empire Rubber Mfg. Co.  
 (Bicycle) .....AA  
 Home Rubber Co. (Bicycle) AA  
 Stokes Rubber Co., Joseph  
 Pneumatic) .....O  
 Trenton Rubber Co. (Bicy-  
 cle) .....A  
**N. Y.—**Batavia  
 Sweet Tire & Rubber Co.  
 (Pneumatic) .....O  
**New York City**  
 Hodgman Rubber Co. (Bicy-  
 cle) .....AA  
 New York Belting & Pack-



**TIRES (CON.)**

ing Co. (Bicycle) ..AAA  
 Prosser & Co., Thos., 15  
 Gold (Steel) .....A  
 N. Y.—Watertown  
 Union Carriage & Gear Co.  
 (Carriage; Pneumatic) ..B

**OHIO—Akron**

Diamond Rubber Co. (Pneu-  
 matic; Carriage; Rubber) ..AAAA  
 Goodrich Co., B. F. (Akron  
 Rubber Wrks.) (Pneumat-  
 ic; Bicycle; Carriage;  
 Rubber) .....AAAA  
 Goodyear Tire & Rubber Co.  
 (Pneumatic; Carriage;  
 Rubber) .....B  
 Whitman & Barnes Mfg. Co.  
 (Bicycle; Carriage; Rub-  
 ber) .....AAAA

**OHIO—Cincinnati**

Mowry Car Wheel Wrks.,  
 2401 Eastern Av. (Steel;  
 Steel Car Wheel) .....B

**OHIO—Dayton**

Meeker Mfg. Co. (Carriage  
 Rubber; Carriage Pneu-  
 matic) .....D

**OHIO—Springfield**

Victor Rubber Tire Co.  
 (Carriage; Rubber) ....B

**PA.—Burnham**

Logan Iron & Steel Co.  
 (Carriage; Wagon) ....B

**PA.—Chester**

Chester Steel Castings Co.  
 (Steel) .....AA

**PA.—Philadelphia**

Latrobe Steel Co. (Car; Lo-  
 comotive Steel) .....AAAA

Midvale Steel Co. (Car;  
 Locomotive; Steel) .....AAAA

Standard Steel Wrks., 1502  
 Market (Car; Locomotive  
 Steel) .....AAAA

**PA.—Pittsburg**

Amer. Steel Hoop Co., Car-  
 negie Bldg. (Steel) ....X

Crucible Steel Co. of Amer-  
 ica, Frick Bldg. (Steel)  
 .....AAAA

**TISSUE**

See Paper

**TOASTERS****ILL.—Rockford**

Clark Hardware Co., J. L.  
 .....D

**MASS.—Worcester**

National Mfg. Co. (Wire  
 Bread) .....A  
 Parker Wire Goods Co.  
 .....B

**N. J.—Newark**

Williamson Wire Novelty  
 Co. ....B

**N. Y.—Brooklyn**

New York Stamping Co.  
 (Chafing Wood) .....A

**N. Y.—Buffalo**

Western Wire Goods Co...D

**N. Y.—Rochester**

Streeter & Co., N. B.  
 (Wire) .....A

**OHIO—Cleveland**

Dangler Stove Mfg. Co.  
 .....AAAA

Schneider & Trenkamp  
 .....AAAA

**OHIO—Toledo**

Ohio Steam Cooker Co.  
 (Wire) .....B

**TOBACCO****ARIZ.—Tucson**

Steinfeld, A. (Smoking)  
 .....AAA

**ILL.—Chicago**

Heegaard & Co., W. H.,  
 Lake & State .....B

Spaulding & Merrick, 9  
 Rush .....AAAA

**KY.—Georgetown**

Stone-Kinzea .....A

**KY.—Greenville**

Martin & Co., H. N.  
 (Plug) .....A

**TOBACCO (CON.)****KY.—Henderson**

Robards Tobacco Co. (Plug)  
 .....A

**KY.—Louisville**

Amer. Tobacco Co. ....AAAA  
 Currie Tobacco Co. (Smok-  
 ing) .....A

Finzer & Bros., J. (Inc.)  
 .....AAA

Martin & Co., H. N. ....A

Mathews & Sons, W. S.  
 .....AAA

Nat'l Tobacco Wrks.  
 .....AAAA

Strater Bros. Tobacco Co.  
 (Inc.) .....AA

**KY.—Paducah**

Smith & Scott .....A

**KY.—Princeton**

Orr & Co., J. G. ....B

**MD.—Baltimore**

Gall, G. W. & A. (Br.  
 Am. Tob. Co.) E Barre  
 .....AAAA

Marburg Bros. (Br. Am.  
 Tob. Co.) 428 S. Charles  
 .....AAAA

Neudicker, L. H., 701 E.  
 Lombard .....A

Vorke, Class & Co., 218 So.  
 Charles .....A

**MASS.—Boston**

Kaffenbaugh & Son, I., 40  
 Broad .....A

McGreenery & Manning, 24  
 Fulton .....A

Scott & Co., L. W., 188  
 Broad .....A

**MICH.—Detroit**

Bagleg & Co., J. J., 48  
 Bates .....AA

Banner Cigar Mfg. Co. ..B  
 Globe Tobacco Co., 25 Fort  
 E. ....A

Kutinauer Co., L. ....B

Moebs & Co., W. D., 92  
 Woodward Av. ....A

Peters & Co., L. ....AA

Rothschild & Bro. ....AAA

Scotten-Dillion Co., Fort W  
 & Campan .....AAAA

Woodhouse & Co., J. T. ..B

**MINN.—Minneapolis**

Winecke & Doerr, 27 Wash.  
 Av. S. ....AA

**MO.—Boonville**

Gott & Son, J. M. ....B

**MO.—Carrollton**

Martin & Rea .....AA

**MO.—Kansas City**

Lederman, I. W. ....B

Switzer Cigar Co., H., 608  
 Main .....A

**MO.—Louisiana**

Addison-Tinsley Tobacco Co.  
 .....B

**MO.—St. Louis**

Amer. Tobacco Co., 1224  
 Chestnut .....AAAA

Continental Tobacco Co.  
 .....AAAA

Peper, Chas., 721 N. Main  
 .....AAA

Weisent Bros. Tobacco Co.,  
 1814 Merchant .....A

Weisent Tobacco Co., 120  
 So. Main .....A

N. J.—Caldwell  
 Lane & Lockward .....A

N. J.—Jersey City  
 Lorillard Co., P., 111 1st  
 .....AAAA

**N. Y.—New Brunswick**

Parsons, J. M. ....B

**N. J.—Trenton**

Bowers Snuff & Tobacco Co.  
 .....B

Grumbacher, J. ....B

**N. Y.—Albany**

Levy & Bro., I. ....B

Shilds, F. ....AA

Van Slyke & Horton ....A

**N. Y.—Baldwinsville**

Upson, J. W. ....B

N. Y.—Binghamton  
 Hummel & Co. ....A

**N. Y.—Brooklyn**

Berbert, H., 267 Bushwick  
 Av. ....B

**N. Y.—Buffalo**

Wagner & Son, Matt. ....B

# TOBACCO (Con.)

N. Y.—Elmira  
Armstrong, Mather & Wood A  
Bimberg, J. .... B  
Brand & Co., J. .... AAA  
N. Y.—Hudson  
Herbs, F. & M. .... A  
N. Y.—Ithaca  
Platts & Co., A. H. .... A  
New York City  
Amer. Tobacco Co., 509 W.  
22d ..... AAAA  
Auerbach & Co., S. 179  
Pearl ..... A  
Bloch Bros. Tob. Co., 90 W.  
B'way ..... AAAA  
Cohn & Co., A., 142 Water  
AAA  
Cohn & Co., J., 164 Water  
B  
Cook's Son & Co., C. J., 98-  
6th Av ..... B  
Blackwell's Durham Tobacco  
Co., 111 5th Av. .... AAAA  
Bloch Bros. Tobacco Co., 32  
Park Place ..... AAAA  
Diaz & Co., B., 144 Water  
A  
McAlpin & Co., D. H., 146  
Av. D. .... AA  
Miller Co., Mrs. G. B., 501  
E. 75th ..... B  
Weyman & Bro., 11 B'way  
A  
N. Y.—Ogdensburg  
Hannan Bros. .... A  
N. Y.—Palmyra  
Williamson Bros. .... B  
N. Y.—Plattsburg  
Levy Bros. .... B  
N. Y.—Poughkeepsie  
Schwartz & Sons, J. .... B  
N. Y.—Red Hook  
Hoffman & Co. .... AA  
N. Y.—Riverhead  
Newins & Son, J. H. .... B  
N. Y.—Rochester  
Amer. Tobacco Co. .... AAAA  
Hess & Co., S. F. .... A  
Kimball & Co., W. S.  
AAAA  
Whalen & Co., R. .... B  
N. Y.—Syracuse  
Hier, John P. .... AA  
Syracuse Cigar & Tobacco  
Co. .... A  
N. Y.—Troy  
Fitzpatrick & Draper .... A  
N. Y.—Utica  
Benham & Co., T. L. .... A  
N. Y.—Wellsville  
Wellsville Tobacco Co. .... A  
N. C.—Ashville  
Walker, R. P. .... B  
N. C.—Durham  
Duke's Sons & Co., W.  
AAAA  
Fallon & Co., W. M. .... B  
Morris & Son, R. F., .... B  
Pope, Carrington & Co. .... B  
N. C.—Henderson  
American Tobacco Co.  
AAAA  
Cooper D. Y. .... AA  
Harris, Gooch & Co. .... A  
Taylor & Co., J. P. .... AA  
N. C.—High Point  
Pickett & Co., W. P. .... A  
N. C.—Kinston  
Sugg, Knott & Co. .... B  
N. C.—Leakville  
King, D. F. (Plug) .... B  
N. C.—Louisburg  
Hughes & Co., W. T. .... A  
N. C.—Mt. Airy  
Hadley & Smith (Plug) .... B  
N. C.—Oxford  
American Tobacco Co.  
AAAA  
N. C.—Reidsville  
Harris & Bro., R. .... A  
Penn. Tobacco Co., F. B.  
A  
Richardson, Jr., & Co., R.  
P. .... B  
N. C.—Rocky Mount  
Granelly & Co., J. O. W.  
B  
Smith Co., E. W. .... AA  
Thorpe & Ricks ..... B  
N. C.—Roxboro  
Woodson, Long & Co. .... A

# TOBACCO (Con.)

N. C.—Statesville  
Irvin & Poston (Plug) .... B  
Burwell Bros. & Co. .... B  
N. C.—Walkerstown  
Crews, T. A. .... B  
Sullivan & Co., N. D. .... A  
N. C.—Warrenton  
Burwell Bros. & Co. .... B  
N. C.—Wilson  
Clark & Co., W. T. .... B  
Watson & Co., R. F. .... AA  
N. C.—Winston  
Bally Bros. (Plug) .... A  
Bohannon, F. M. .... A  
Brown & Carter ..... B  
Brown & Williamson .... B  
Lilpfert, Scales & Co. .... A  
Norfleet & Co., W. W. .... B  
Ogburn, S. A. .... B  
Ogburn, Hill & Co. (Plug)  
A  
Reynolds Tobacco Co.  
(Chew; Smoking) .... AAAA  
Taylor Bros. .... B  
Vaughan & Co., T. L. .... A  
Whitaker, W. A. .... B  
OHIO—Cincinnati  
Spence Bros. & Co. (Smok-  
ing) ..... A  
OHIO—Cleveland  
Rosenfeed, Emanuel, 23 1-2  
Academy ..... A  
OHIO—Lewisburg  
Smith & Co., H. P. .... B  
OHIO—Middletown  
Centennial Tobacco Co.  
AAAA  
OHIO—Toledo  
Zahn Tobacco Co., J. F. .... B  
OHIO—Zanesville  
Pinkerton Tobacco Co. .... B  
PA.—Altoona  
Blumenthal, Julius ..... B  
Reid Tobacco Co. .... A  
PA.—Bainbridge  
Hoffman Bros. .... B  
Hofman & Co., A. L. .... A  
PA.—Bradford  
Mayer & Co., A. .... B  
PA.—Carlisle  
Livingston & Co., J. .... A  
PA.—Chester  
McClure, W. J. .... A  
PA.—Corry  
Hull & Co., N. W. .... B  
PA.—Cressman  
Reiter, J. W. .... B  
PA.—Farmersville  
Seldonnidge, S. M. .... A  
PA.—Florin  
Nissly & Co., E. L. .... B  
PA.—Johnstown  
Love & Sunshine Co. .... AA  
PA.—Junction  
Hershey, J. S. .... B  
PA.—Lancaster  
Brimmer, J. F. .... A  
Brosey, A. G. .... B  
Brubaker, R. H. .... A  
Cohn & Co., E. M. .... B  
Rosenthal & Co., M. .... A  
Schnader & Sons, R. .... B  
Sondheimer & Waits ..... B  
Sondheimer & Smith .... B  
Stirk & Co., I. .... A  
Weaver, Isaac H. .... A  
Weill, H. .... B  
PA.—Lebanon  
Long & Son, D. B. .... B  
PA.—McSherrystown  
Johns, S. L. .... AA  
PA.—Philadelphia  
Cunningham & Co., A. B.  
A  
Frishmuth Bros. & Co.,  
Glenwood Av. & 17th  
AAAA  
PA.—Pittsburg  
Weyman & Bro., 1112 Park  
Bldg. .... A  
PA.—Pottstown  
Evans, J. W. .... B  
PA.—Reading  
Breneren & Sons, Charles  
AA  
Green, J. L. & M. F. .... B  
PA.—Richland Station  
Kegerels, I. .... B  
PA.—Salisbury  
Worst & Shertz ..... B

## TOBACCO (Con.)

PA.—Schoeneck  
Weist, S. S. .... B  
PA.—Scranton  
Clark & Snover Co. .... AA  
PA.—Womelsdorf  
Fidler & Co., H. F. .... B  
PA.—York  
Frysinger, C. .... B  
Myers, Adams & Co. .... A  
Stollman, C. H. .... B  
S. C.—Charleston  
Follin Bros. .... B  
TENN.—Bristol  
Reynolds Tobacco Co.  
(Plug; Smoking) .... A  
TENN.—Buchanan  
Gatlin, Z. T. .... B  
TENN.—Chatanooga  
Kelly, J. W. .... A  
Peeples & Pitner Bros. .... B  
Trotter Bros. .... A  
TENN.—Clarksville  
Meriwether Snuff & Tobacco  
Co. (Plug; Smoking) .... A  
Morrow & Bro., C. E. .... B  
Wood & Smith .... B  
TENN.—Greensville  
Greenville Tobacco Mfg. Co.  
(Plug; Smoking) .... AA  
TENN.—New Providence  
Gold & Peters .... B  
TENN.—Paris  
Porter, Hudson & Co. .... A  
TENN.—Springfield  
Bell & Sons, C. C. .... B  
TENN.—Willard  
Willard Tobacco Co. .... B  
TEXAS—Dallas  
Phillipson, L. .... B  
TEXAS—El Paso  
Kohlberg Bros. .... B  
VT.—Burlington  
Reed & Co., J. G. .... B  
Taylor & Co., O. C. .... B  
VA.—Bedford City  
Clark & Co. .... B  
VA.—Browville  
Burton & Bro., J. W. .... B  
VA.—Chatham  
Riddle & Hargrave .... A  
VA.—Danville  
American Tobacco Co. .... AAAA

Arnett & Overing Co. .... A  
Barton & Co., F. X. .... AA  
Carlton & Co., E. S. .... B  
Coles & Co., R. J. .... B  
Dibbelb Bros. .... B  
Dixon & Co. .... A  
Henderson & Co., J. A.  
(Smoking) .... B  
Hickey, C. H. .... B  
Hickey & Cousins .... B  
Hubbard & Co., R. M. .... B  
Hughes, J. E. Jr. & Co. .... B  
Jordan & Co., M. P. .... B  
Mosely & Co., E. G. .... B  
Pemberton & Penn .... AA  
Penn, Sons & Co., G. .... B  
Penn & Ryan .... B  
Schoolfield & Watson  
(Plug) .... A  
Schoolfield, Boatwright &  
Co. .... A  
Swain & Wyllie .... A  
Taylor, Spencer & Co. .... A  
Watson & Co., W. D. .... AA  
Wemple, Ehlers & Co. .... A  
Wemple & Co. .... A  
Wyllie & Co., J. W. .... A  
VA.—Farmville  
Dunnington, W. G. .... A  
Gilliam & Co., W. P. .... A  
Paulett & Son .... B  
VA.—Leatherwood  
Granelly & Sons, B. F. .... A  
VA.—Lynchburg  
Adams, Chambers & Co. .... B  
Bowman & Co., N. R. .... AA  
Carroll, J. W. .... A  
De Witt, C. .... B  
Ford & Co., W. A. .... A  
Gilliam & Co., W. P. .... A  
Hancock Bros. & Co. .... A  
Hancock, Moorman Tobacco  
Co. .... B  
Katz, Jr., J. .... B  
Stallings, Hancock & Co. .... B  
West & Co., J. W. .... A  
West Tobacco Co., Winfree  
B

## TOBACCO (Con.)

VA.—Petersburg  
Bland Tobacco Co. .... B  
Cameron & Bro., W. .... AAAA  
Dunlap, D. .... AAAA  
Roper & Son, L. .... AA  
Venable Tobacco Co., S. W. .... AA  
Watson & McGill .... AA  
VA.—Richmond  
Cameron & Co., Alex. .... AAA  
Cameron & Cameron .... AAAA  
Cullingworth, Joseph N. .... A  
Hancock, W. T. .... A  
Larus & Bro. .... B  
Mayo & Bro., P. H. .... AAAA  
Pace Tobacco Co., J. B. .... A  
Patterson Tobacco Co., E.  
A. .... A  
Spicer, Son & Co. .... B  
Williams Co., T. C. .... AAAA  
Yarbrough & Sons, W. J. .... B  
VA.—South Boston  
Edmonson, Son & Co. .... B  
Shepherd & Noblin Tobacco  
Co. .... B  
VA.—Spencer  
Spencer & Son, D. H. .... A  
WASH.—Seattle  
Levy & Co., M. .... B  
Schwabacher Bros. & Co.  
(Inc.) .... AA  
WASH.—Spokane  
Grinsfelder & Co., W. S. .... B  
W. VA.—Wheeling  
Bloch Bros. Tobacco Co. .... AAAA  
West Va. Tobacco Co. .... B  
WIS.—Edgerton  
Child, H. W. .... A  
WIS.—Evansville  
Brand & Co., J. .... AAA  
Rumrill, G. H. .... A  
WIS.—Janesville  
Carle & Son, L. B. .... A  
Green, M. F. .... B  
Rumrill, G. H. .... A  
WIS.—Milwaukee  
Adams Tobacco Co., 90 W.  
Water .... AA  
Leidersdorf & Co., B. .... A

## TOBOGGANS

MAINE South Paris  
Paris Mfg. Co. .... A  
N. Y.—Canton  
Rushton, J. H. .... F  
VT.—Burlington  
Champlain Mfg. Co. .... B  
WIS.—Milwaukee  
Meinecke & Son, A. .... AA

## TOKENS

N. Y.—New York City  
Amer. Railway Supply Co.,  
24 Park Place .... B

## TOMATOES

See Canned Goods

## TOLANITE

PA.—Philadelphia  
Philadelphia Clay Mfg. Co. .... B

## TOMAHAWKS

PA.—Glassport  
American Axe & Tool Co. .... AAAA

## TONGS

CAL.—San Francisco  
Doble Co., Abner, 200 Tre-  
mont (Rail) .... B  
CONN.—Branchville  
Branchville Ice Tool Wks.  
(Ice) .... F  
CONN.—Bridgeport  
Knapp & Cowles Mfg. Co.  
(Ice) .... O  
CONN.—Hartford  
Billings & Spencer Co. (Car-  
bon; Pipe) .... A

**TONGS (Con.)**

**CONN.—Meriden**

Bradley & Hubbard Mfg.  
Co. (Coal) .....AAAA  
**CONN.—New Haven**  
Barnes Tool Co. (Pipe) ..B  
Kilborn & Bishop Co.  
(Pipe) .....C

**CONN.—Shelton**

Clark & Co., D. N. (Sugar)  
O

**CONN.—Southington**

Peck, Stow & Wilcox Co.  
(Coal; Roofing Shutter) .....AAAA

**ILL.—Chicago**

Crane & Co., 10 N. Jefferson  
(Pipe) .....AAAA  
Illinois Malleable Iron Co.,  
30 Monroe (Pipe) .....AAAA

Nicol & Co. (Fishing;  
Handling) .....D  
Pratt Mfg. Co., Wm. E., 91  
Lake (Hog) .....B

Solid Steel Tool Co., 11 So.  
Jefferson (Blacksmiths';  
Girder; Ice; Rail; Rivet)  
E

Union Drop Forge Co., 66  
E. Ohio (Pipe; Parts  
only; Rail) .....A

Vaughn & Bushnell Mfg.  
Co., 875 Carroll Av.  
(Blacksmiths'; Ice) ..B

**ILL.—Downer's Grove**  
Dicke Tool Co. (Bent; Cru-  
cible; Machinists';  
Straight Lip) .....C

**ILL.—Evanston**  
Mark Mfg. Co. (Black-  
smiths') .....AA

**ILL.—Harvey**  
Whiting Foundry Equip-  
ment (Crucible) ....AA

**IND.—Evansville**  
Evansville Tool Wrks.  
(Blacksmiths'; Rail) ..A

**IND.—Indianapolis**  
Atkins & Co., E. C. (Braz-  
ing) .....AAAA

**IOWA—Fairfield**  
Louden Machinery Co. (Ice)  
D

**MAINE—Clinton**

Spaulding & Davis (Clothes)  
F

**MASS.—Arlington**

Wood & Co., Wm. T. (Ice)  
A

**MASS.—Boston**

Harvey, H. H., 608 Atlan-  
tic Av. (Pipe; Rail;  
Stone) .....B  
Knapp, Jas. M., 12 Bowker  
(Pipe) .....E

Walworth Mfg. Co. (Pipe)  
AAAA

**MASS.—Lowell**

Woods, Sherwood & Co.  
(Candy) .....C

**MASS.—Roxbury**

Tremont Mfg. Co. (Pipe)  
D

**MASS.—Winthrop**

Winthrop Wire Goods Co.  
(Olive) .....X

**MICH.—Detroit**

Anderson & Sons, W. H.  
(Blacksmiths'; Coal; Cru-  
cible; Foundry; Log Skid-  
ding; Rail; Pipe) ....C

Byram & Co., 435 Guion  
(Crucible; Rail) .....D  
Northern Engineering  
Works (Crucible) ....A

**MICH.—Kalamazoo**

Freeman Mfg. Co. (Fish) B

**MICH.—Saginaw**

Morley Bros. (Skidding) AA

**MINN.—Minneapolis**

Howell & Co., R. R.  
(Chain) .....B

**N. J.—Newark**

Atha Tool Co. (Black-  
smiths'; Rail) .....A  
Heller Bros. Co. (Black-  
smiths') .....AA

Johnson, Wm. (Curling) ..D  
Osborne & Co., C. S., 96  
Mechanic (Pipe; Curling)  
B

**N. Y.—Albany**

Troy Nickel Wrks. (Stove;  
VT.—Barre

**TONGS (Con.)**

**Coal) .....O**

**N. Y.—Brooklyn**

Brass Goods Mfg. Co., 92  
3d (Candy) .....B

Hay-Budden Mfg. Co.  
(Blacksmiths'; Ice) ....B  
Williams & Co., J. H.  
(Pipe) .....AAAA

**N. Y.—Buffalo**

Case & Son, W. A., 81  
Main (Pipe) .....A

Niagara Machine & Tool  
Wks. (Roofing) .....A

West Mfg. Co., 374 7th  
(Roofing) .....D

White, L. & I. J. (Ice) ..A

**N. Y.—Groton**

Morton, D. B. (Ice) ....O

**New York City**  
Ashcroft Mfg. Co., 87  
Liberty (Pipe) .....A

Graf, Frank H., 822 7th  
Av. (Fireplace) .....D

Lalance & Grosjean Mfg.  
Co. (Coal) .....AAAA

Peck, Stow & Wilcox Co.,  
27 Murray (Coal) AAAA

Russell & Erwin Mfg. Co.,  
43 Chambers (Coal) AAAA

Sargent & Co., 151 Leonard  
(Blacksmiths' Coal) ....AAAA

**N. Y.—Syracuse**

Stearns & Co., E. C.  
(Blacksmiths) .....AA

**N. Y.—Yonkers**

Saunders' Sons, D. (Pipe) A

**N. C.—Wilmington**  
Whitlock, Chas. M. (Log-  
ging) .....E

**OHIO—Cincinnati**

Cincinnati Tool Co. (Coal)  
X

Haven Co., Jas. L. (Coal) B

Keene & Co., Geo. C., 502  
E. Front (Roofing) ....F

Morris Fdy. Co., Jno. B.  
(Fire Place) .....A

Obermayer Co., S., 647  
Evans (Crucible) .....A

**OHIO—Cleveland**

Federal Mfg. Co., Amer.  
Trust Bldg. (Ice) AAAA

Fanner Mfg. Co. (Coal;  
Ice) .....A

Garry Iron & Steel Co.  
(Pipe Hanger; Roofing)  
A

Gerlach Co., Peter (Skid-  
ding) .....B

Smith Foundry Supply Co.,  
J. D., 40 S. Water (Crucible)  
D

**OHIO—Toledo**

Stevens, Banj. A. (Ice) A

**PA.—Erie**  
Hollands Mfg. Co. (Pipe)  
U

Jarecki Mfg. Co. (Pipe)  
AAAA

**PA.—Philadelphia**

Berger Bros. Co., 231 Arch  
(Pipe Hanger) .....A

Plumb, Fayette R. (Inc.)  
Frankford (Blacksmiths)  
AA

Stortz & Son, Jno., 210  
Vine (Ice; Pipe; Roofing)  
F

**PA.—Pittsburg**

Hubbard & Co., Murland  
Bldg. (Rail) .....A

Iron City Tool Wks. (Rail)  
B

Oliver Iron & Steel Co.  
(Rail) .....AAAA

Pittsburg Tool & Drop Forge  
Co., Arrott Bldg. (Cross  
Tie; Rail) .....E

**PA.—Reading**

Reading Hardware Co.  
(Coal) .....AAAA

**PA.—Verona**

Verona Tool Wks. (Rail) A

**PA.—Wilkesbarre**

Nicholson & Co., W. H.  
(Chain) .....O

**PA.—Williamsport**

Darling Pump & Mfg. Co.  
(Pipe) .....B

**VT.—Barre**

Trow & Holden (Granite

**TONGS (Con.)**  
**W. VA.—Wheeling**  
 Wheeling Hinge Co. (Coal) AA  
**WIS.—Oshkosh**  
 Oshkosh Looging Tool Co.  
 (Joist or Timber, for  
 Hoisting Timber, Etc., in-  
 to High Buildings) ....O

## TONGUES

**MAINE—Portland**  
 Cox & Son, A. F. (Shoe) A  
**MASS.—Boston**  
 Windram & Son, W. J.  
 (Shoe) ..... B  
**MASS.—Lynn**  
 Houghton & Sohe, Jas.  
 (Shoe) ..... X  
**N. J.—Newark**  
 Brooklyn Gas Fixture Co.  
 (Buckle) ..... H  
**N. J.—Palmyra**  
 Palmyra Tongue Co. (Shoe)  
 O  
**R. I.—Pawtucket**  
 Cobb & Co., W. R. (Pin) B  
 Fuller & Son., Geo. H.  
 (Pin) ..... A  
**R. I.—Providence**  
 Wall & Co., A. T. (Pin) O

## TOOLS

See also Mills; Machy; also  
 look for Specific Name of  
 Tool Desired.

**ALA.—Mobile**  
 Barney-Cavanagh Hdw. Co.  
 (Turpentine) ..... A  
**CONN.—Bethel**  
 Gilbert Bros. (Hatters) B  
**CONN.—Branchville**  
 Gruman, Geo. B. (Ice) ..F  
**CONN.—Bridgeport**  
 Bridgeport Gun Implement  
 Co. (Gun Cleaning; Re-  
 loading) ..... A  
 Knapp & Cowles Mfg. Co.  
 (Ice; Garden; Floral) O  
**CONN.—Collinsville**  
 Collins Co. (Coopers';  
 Miners') .....AAAA  
**CONN.—Danbury**  
 Reid, Chas. H. (Hatters')  
 B  
**CONN.—Georgetown**  
 Gilbert & Bennett Mfg. Co.  
 (Barbed Wire Fence), AA  
**CONN.—Hamden**  
 Hamden Mfg. Co. (Wood  
 Boring) .....C  
**CONN.—Hartford**  
 Billings & Spencer (Lathe;  
 Thread Cutting Calkers';  
 Cutting-Off; Machinist'  
 Jewelers'; Toolmakers') A  
 Dwight Slate Machine Co.  
 (Lathe; Lathe Cut-Off;  
 Machine) ..... C  
 Pratt & Whitney Co. (Mill-  
 ing Machine; Planer;  
 Screw Machine; Thread  
 Cutting; Cutting-Off;  
 Lathe; Machinists'; Brass-  
 working) ..... AAAA  
 Tucker, W. W. & C. F.,  
 302 Asylum (Thread Cut-  
 ting) ..... F  
**CONN.—Meriden**  
 Meriden Machine Tool Co.  
 (Lathe; Forming Lathe)  
 D  
 Parker Bros. (Gun Cleaning;  
 Reloading) ..... AAAA  
**CONN.—Middleton**  
 Wilcox Crittenden & Co.,  
 (Calking) ..... A  
**CONN.—Milledale**  
 Ellis & Son, F. L. (Special)  
 F  
**CONN.—New Britain**  
 Bennett Tempering Co.  
 (Hand Forged Lathe;  
 Hand Forged Planer) ..E  
 Landers, Frary & Clark  
 (Ice) ..... AAAA  
 Skinner Chuck Co. (Cutting-  
 Off) ..... B  
**CONN.—New Haven**  
 Barnes Tool Co. (Plumbers')  
 B

**TOOLS (Con.)**  
 Belden Machine Co.  
 (Slaters') ..... D  
 Ideal Mfg. Co. (Reloading)  
 C  
 Killkorn & Bishop Co. (Saw)  
 O  
 Martin Fire Arms Co. (Re-  
 loading) ..... A  
 New Haven Mfg. Co. (Ma-  
 chinists') ..... AA  
 Schollhorn Co., Wm.  
 (Cigarmakers') ..... B  
 Spargo, Edward, 68 Com-  
 merce (Granite; Stone-  
 cutters') ..... F  
 Winchester Repeating Arms  
 Co. (Reloading) .....AAAA  
**CONN.—Pine Meadow**  
 Chapin-Stephens Co. (Coop-  
 ers'; Carriagemakers') A  
**CONN.—Plainville**  
 Clark & Son, A. N.  
 (Watch) ..... C  
 Norton & Jones Mach.  
 Tool Wks. (Machine) F  
**CONN.—Saugatuck**  
 Doscher Plane & Tool Co.  
 (Plasters' Floats; Darbys;  
 Plumb Rules & Mortar  
 Hocks) .....E  
**CONN.—Seymour**  
 Swan Co., James (Coopers')  
 A  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co.  
 (Boring; Slaters' Pavers';  
 Garden; Tinroofing Tin-  
 smiths') ..... AAAA  
**CONN.—South Norwalk**  
 Wheeler, W. A. (Hatters')  
 F  
**CONN.—Torrington**  
 Hender Machine Co.  
 (Plainer; Machine) ....A  
 Union Hdw. Co. (Gun  
 Cleaning; Reloading) ..A  
**CONN.—Waterbury**  
 Blake & Johnson (Brass  
 Working) ..... A  
 Manville Machine Co., E.  
 J. (Brass Working) ..C  
 Waterbury Brass Co. (Re-  
 loading) ..... AAAA  
**CONN.—Westport**  
 Bradley's Sons, C. W.  
 (Turpentine) ..... D  
**CONN.—Westville**  
 Geometric Drill Co. (P. O.  
 New Haven) (Adjustable  
 Hollow Milling Machine;  
 Special; Geometric Bor-  
 ing; Turning; Thread  
 Cutting) ..... C  
**DEL.—Wilmington**  
 Betts' Machine Co. (Ma-  
 chine; Machinists') ....A  
 Hilles & Jones (Boiler-  
 makers'; Bridge Build-  
 ers'; Machine) .....AA  
 Slocumb & Co., F. F.  
 (Pneumatic Punches;  
 Riveters') ..... C  
**GA.—Lithonia**  
 Southern Granite Co.  
 (Granite; Stonecutters')  
 A  
**ILL.—Alton**  
 Beall Bros. (Miners') ....A  
**ILL.—Aurora**  
 Amer. Well Wks. (Artesian  
 Well; Oil Well) ....AA  
 Aurora Auto. Machinery Co.  
 (Pneumatic) ..... A  
**ILL.—Batavia**  
 U. S. Wind Engine &  
 Pump Co. (Hay) .....A  
**ILL.—Cairo**  
 Reed, Joseph B. (Ma-  
 chinists') ..... B  
**ILL.—Carpentersville**  
 Illinois Iron & Bolt Co.  
 (Blacksmiths') .....AA  
**ILL.—Chicago**  
 Armstrong Bros. Tool Co.,  
 617 Austin Av. (Boring;  
 Lathe; Planer; Thread  
 Cutting; Slotting; Gang;  
 Shaper) ..... C  
 Austin Mfg. Co., Manhat-  
 tan Bldg. (Contractors')  
 AAA  
 Barbee Wire & Iron Wks.  
 (Ice) .....B

# **TOOLS (Con.)**

Carpenter & Co., Geo. B.,  
202 S. Water (Contractors') .....AA  
Channon Co., H., Market  
& Randolph (Contractors') .....AA  
Chicago Pneumatic Tool Co.,  
Fisher Bldg. (Pneumatic  
Granite; Stoncutters;  
Pneumatic Stone Carving;  
Pneumatic Stone Dress-  
ing) .....AAAA  
Chicago Scale Co. (Black-  
smith) .....A  
Chicago Wheel & Mfg. Co.,  
39 Randolph (Diamond  
Pointed) .....D  
Clow & Sons (Inc.), James  
B. (Boilermakers') .....A  
Contractors' Supply &  
Equipment Co., 232 5th  
Av. (Contractors) .....O  
Crane Co. (Thread Cutting  
Lathe) .....AAAA  
Crosby & Co., G. A. (Tin-  
smiths') .....X  
Eureka Digger Co. (Drain-  
age) .....F  
Fairbanks, Morse & Co.,  
Franklin & Monroe (Rail-  
road Track) .....AAAA  
Hardinge Bros., 1036 Lin-  
coln Av. (Watchmakers';  
Jewelers') .....B  
Henion & Hubbell, 63 N.  
Jeffn. (Contractors')... B  
Hiles & Co., C. H., 836  
Carroll Av. (Ice) .... D  
Janeville Hay Rake Co.,  
Ashland Bk. (Haying) E  
Klein & Son, Mathias, 87  
W. Van Buren (Line-  
men's) .....A  
Lyman, W. C., 49 Michigan  
(Paving) .....D  
McCrea & Co., James, 67  
W. Washn. (Boring)... F  
McDonnell Odometer Co.  
(Special) .....X  
Macomber & Whyte Rope  
Co., 19 S. Canal (Con-  
tractors') .....A  
Monighan's Machine Wks.,  
813-823 Carrol Av. (Con-  
tractors'; Holsting En-  
gines) .....O  
Olmsted & Co. (Artesian  
Well) .....O  
Orr & Lockett Hdw. Co.,  
71 Randolph (Paving) ..A  
Parkhurst & Wilkinson Co.,  
143 Kinzie (Contractors')  
.....AA  
Railway Appliance Co., Old  
Colony Bldg. (Peumatic)  
.....A  
Shaw, Willis, 506 N. Y.  
Life Bldg. (Contractors')  
.....D  
Solid Steel Tool Co., 11  
S. Jeffn. (Railroad  
Track) .....F  
Steel Roll Mangle Co., 142  
Washn. Boulv. (Pneu-  
matic) .....E  
Union Drop Forge Co., 66  
E. Ohio (Railroad Track)  
.....A  
Vaughn & Bushnell Mfg.  
Co., 877 Carroll Av.  
(Coopers'; Farriers';  
Blacksmiths'; Tinsmiths';  
Ice) .....B  
Vulcan Iron Wks., 63 Mil-  
waukee Av. (Contractors')  
.....AA  
Watson Co., Geo. E., 38  
Randolph (Paperhangers')  
.....B  
Western Electric Co. (Tele-  
graph Construction)AAAA  
ILL.—Decatur  
Fairies Mfg. Co. (Gun  
Cleaning) .....A  
Mueller Mfg. Co., H.,  
(Plumbers'; Tinnners')..A  
ILL.—Downer's Grove  
Dicke Tool Co. (Linemen's;  
Cabinetmakers'; Lathe;  
Machinists'; Thread Cut-  
ting; Tack Pointing;  
Telegraph Construction;  
Wire) .....O

# **TOOLS (Con.)**

ILL.—Elgin  
Moseley Lathe Co. (Watch-  
makers') .....D  
ILL.—Evanston  
Sheldon & Co., E. H.  
(Cement Sidewalk) ....D  
ILL.—Freeport  
Stover Mfg. Co. (Ice).. A  
ILL.—Harvard  
Hunt, Helm, Ferris Co.  
(Haying) .....B  
ILL.—Harvey  
Austin Mfg. Co., F. C.  
(Artesian Well; Oil Well)  
.....AA  
Whiting Fdry. Equipment  
Co. (Moulders') .....AA  
ILL.—Moline  
Deere & Mansur Co. (Hand  
Farming; Garden) ..AA  
ILL.—Ottawa  
Porter Co., J. E. (Haying)  
.....A  
ILL.—Peoria  
Diamond Meter Co. (Meter  
(Sealing) .....O  
Herchel Mfg. Co., R.  
(Haying) .....A  
ILL.—Quincy  
Quincy Valve & Mfg. Co.  
(Valve Refacing Machine)  
.....E  
ILL.—Rockford  
Barnes Co., W. F. & John  
(Machine) .....AA  
ILL.—Sterling  
Keystone Mfg. Co. (Hay)  
.....AA  
ILL.—Streator  
Iwan Bros. (Drainage;  
Miners') .....D  
ILL.—Waterloo  
Oldendorph, Jacob  
(Blacksmiths') .....E  
IND.—Anderson  
Globe Mfg. Co. (Coopers') F  
IND.—Cambridge City  
Bertsch & Co. (Tinsmiths')  
.....D  
IND.—Columbus  
Reeves & Co. (Inc.) (Lum-  
bering) .....AA  
IND.—Elkhart  
Elkart Frog & Crossing  
Wks. (Railroad Track) O  
IND.—Evansville  
Evansville Tool Wks.  
(Coopers'; Farriers';  
Pitching; Rock Drill  
Sharpening; Turpentine)  
.....A  
IND.—Indianapolis  
Atkins & Co., E. C. (Coop-  
ers'; Circular Saw Lum-  
bering) .....AAA  
Barry Saw & Supply Co.,  
W. B. (Circular Saw) D  
Over, Ewald (Barbed Wire  
Fence) .....D  
IND.—Muncie  
Muncie Gas Engine & Sup-  
ply Co. (Drilling; Fishing;  
Oil Well) .....B  
IOWA—Dubuque  
Novelty Iron Wks. (Oil  
Well) .....H  
IOWA—Fairfield  
Louden Mehry. Co. (Hay-  
ing) .....D  
IOWA—Ft. Madison  
Iowa Farming Tool Co.  
(Haying; Walk Cleaning;  
Hand Farming) .....A  
KANS.—Ft. Scott  
Ft. Scott Fdry. & Mach.  
Co. (Artesian; Oil Well;  
Miners') .....H  
Penneman & Son, A. O.  
(Contractors') .....D  
KANS.—Topeka  
Baird Portable Mach. Co.  
(Pneumatic) .....B  
KY.—Henderson  
Blackwell & Co., P. A.  
(Contractors') .....A  
KY.—Louisville  
Belknap Hdw. Mfg. Co.  
(Inc.) (Contractors')  
.....AAAA  
Todd-Donagan Iron Co.  
(Contractors') .....A

**TOOLS (Con.)**  
**MAINE—Belfast**  
 Kelly & Co., Benj.  
 (Granite; Stonecutters') D  
**MAINE—Portland**  
 Edwards & Walker Co.  
 (Contractors) ..... A  
 Lang Co., E. M. (Can-  
 makers') ..... C  
**MAINE—Rockland**  
 Livingston Mfg. Co.  
 (Granite; Stonecutters') D  
**MD.—Baltimore**  
 Brown, F. S. & G. L.  
 (Tinmiths') ..... D  
 Meyer, Henry H., 110 S.  
 Howard (All kinds Con-  
 tractors) ..... E  
 Ryan-McDonald Mfg. Co.,  
 44 South (Contractors') A  
**MASS.—Arlington**  
 Wood & Co., W. T.  
 (Granite; Stonecutters';  
 Ice) ..... B  
**MASS.—Athol**  
 Athol Machine Co. (Me-  
 chanics' Fine) ..... B  
 Starrett & Co., L. S.  
 (Mechanics' Fine; Ma-  
 chinists') ..... A  
**MASS.—Boston**  
 Amer. Tool & Machine Co.  
 (Brassworkers') ..... AA  
 Ames Plow Co., Quincy Hall  
 (Contractors'; Paving)  
 ..... AA  
 Bond & Co., Harold, cor.  
 Pearl & Purchase (Con-  
 tractors') ..... E  
 Boston & Lockport Block  
 Co. (Lumbering) ..... B  
 Brown-Wales Co. (Slaters)  
 ..... A  
 Carson Trench Machine Co.  
 (Contractors') ..... B  
 Chandler & Farquhar  
 (Dowell) ..... A  
 Contractors' Plant Co.,  
 37 Pittsburg (Portable;  
 Gravity Concrete Mixers.  
 Etc.; Contractors') .... D  
 Dame, Staddard & Co.  
 (Parting; Wood Engravg.)  
 ..... A  
 Dodge, Daley & Co., 218  
 High (Contractors') AA  
 Faneuil Watch Tool Co.  
 (Thread Cutting; Watch-  
 makers'; Jewelers';  
 Watch Staking) ..... C  
 Ferdinand & Co., L. W.,  
 152 Federal (Contractors')  
 ..... X  
 Fitts Mfg. & Supply Co.,  
 Frank E., 88 Purchase  
 (Contractors') ..... D  
 Flintoff, Wm., 121 Haver-  
 hill (Contractors') .... H  
 Golding & Co., 177 Fort  
 Hill Sq. (Printers') .. B  
 Harrington, Robinson & Co.,  
 272 Franklin (Con-  
 tractors') ..... D  
 Harvey, H. H., 608 Atlantic  
 Av. (Calking; Con-  
 tractors'; Granite; Stone-  
 cutters'; Marble; Brown-  
 stone; Blacksmiths';  
 Brickmakers'; Ice; Pav-  
 ers'; Mechanics'; Miners';  
 Sandstone) ..... B  
 Isele & Son, A. W., 51  
 Pitts (Granite; Stone-  
 cutters'; Railroad Track;  
 Slaters' Hammers; Cut-  
 ters'; Stakes; Scratching  
 Bars, Etc.) ..... G  
 McDowell Oven Co. (Con-  
 fectinoners') ..... H  
 Perrin, Seamans & Co., 57  
 Oliver (Contractors') .... D  
 Sampson, Geo. H., 15 Pearl  
 (Contractors) ..... E  
 United States Steel Co.,  
 145 Oliver (Cast Steel  
 Granite; Stonecutters') D  
 Walworth Mfg. Co., 182  
 Federal (Thread Cutting)  
 ..... AAAA  
**MASS.—Brookton**  
 Snell & Atherton (Boot &  
 Shaves; Edge Planes) C  
 Tuck Mfg. Co. (Burnising;  
 Parting) ..... E

**TOOLS (Con.)**  
**MASS.—Cambridge**  
 Standard Turning Wks.  
 (Plumbers') ..... C  
**MASS.—Canton**  
 Kinsley Iron & Mach. Co.  
 (Blacksmiths') ..... AA  
**MASS.—Chicopee Falls**  
 Stevens Arms & Tool Co.,  
 J., (Thread Cutting; Re-  
 loading Cartridge) .... A  
**MASS.—Fitchburg**  
 Fitchburg Machine Wks.  
 (Planer; Machine; Ma-  
 chinists') ..... A  
 Putnam Machine Co. (Cog  
 Shaping; Special; Ma-  
 chine; Machinists') .. AA  
 Simonds Mfg. Co. (Logging;  
 Lumber; Sawmakers')  
 ..... AAA  
**MASS.—Greenfield**  
 Goodell Mfg. Co. (Cutting-  
 Off) ..... B  
 Noyes & Co., B. B. (Floral)  
 ..... E  
 Wells Bros Co. (Farriers';  
 Blacksmiths') ..... A  
 Wiley & Russel Mfg. Co.  
 (Blacksmiths'; Thread  
 Cutting Lathe) .... AA  
**MASS.—Kingston**  
 Drew & Co., C. (Calking;  
 Coopers'; Machinists) C  
**MASS.—Lowell**  
 Dennis & Co., Jno. (Roll  
 Covers) ..... E  
**MASS.—Lynn**  
 Bullock, W. F. (Boot;  
 Shoe) ..... F  
**MASS.—Mansfield**  
 Card Mfg. Co., S. W. (Boot;  
 Shoe) ..... B  
**MASS.—Milbury**  
 Buck Bros. (Carving) .... A  
 Buck, Chas. (Carving) B  
**MASS.—Millers Falls**  
 Miller's Falls Co. (Boring;  
 Carving) ..... AA  
**MASS.—New Bedford**  
 Morse Twist Drill & Ma-  
 chine Co. (Lathe; Thread  
 Cutting; Blacksmiths Spe-  
 cial; Machinists') .. AAA  
**MASS.—North Easton**  
 New England Specialty Co.  
 (Toy) ..... F  
**MASS.—North Hadley**  
 Howe, Jno. C. (Broom-  
 makers') ..... D  
**MASS.—Quincy**  
 Clark & Co., Alex. (Granite;  
 Stonecutters') ..... G  
 Drummond, D. T. (Granite;  
 Stonecutters') ..... H  
 Kemp, J. F. (Granite;  
 Stonecutters') ..... G  
 Pinel Bros. (Granite; Stone-  
 cutters') ..... A  
 Martin & Collins (Granite;  
 Stonecutters') ..... H  
 Willbas, Gustof (Granite;  
 Stonecutters') ..... X  
**MASS.—Shelburne Falls**  
 Mayhew Co., H. H. (Bor-  
 ing) ..... C  
**MASS.—Southbridge**  
 Harrington, T. J. (Boot;  
 Shoe) ..... D  
 Harrington Cutlery Co.  
 (Boot; Shoe) ..... C  
 Hyde Mfg. Co. (Boot;  
 Shoe) ..... D  
 Richard Stephen Co. (Boot;  
 Shoe) ..... E  
**MASS.—Springfield**  
 Bemis & Call Hdw. & Tool  
 Co. (Plumbers'; Tanners';  
 Mechanics') ..... A  
 Bullock & Co., O. W. (En-  
 gravers'; Watch) ..... A  
 Potwin, Henry, 98 Tyler  
 (Granite; Stonecutters') F  
 Smith Mfg. Co., R. H.  
 (Rubber Stamp Making) C  
 Waltham Watch Tool Co.  
 of Springfield (Watch) B  
**MASS.—Taunton**  
 New Process Twist Drill  
 Co. (Machinists') .... E  
**MASS.—Waltham**  
 Amer. Watch Tool Co.  
 (Watch) ..... AAAA

# **TOOLS (Con.)**

Stark Tool Co. (Jewelers') B  
Waltham Emery Wheel Co. (Diamond Turning; Lathe) O  
Waltham Machine Works (Watch) E  
**MASS.—Worcester**  
Blaisdell & Co., P. (Lathe; Machine; Brassworking) A  
Brown, W. H. (Carders') E  
Draper Machine Tool Co. (Machine) A  
National Mfg. Co. (Boring) B  
Prentice Bros. (Machinists') A  
Reed Co., Francis (Lathe; Machine) D  
Roy, B. S. (Carders') B  
Whitcomb Mfg. Co. (Planer; Machine; Machinists') A  
Young Mfg. Co., W. O. (Lathe) D  
**MASS.—Wrentham**  
Winter Bros. Co. (Thread Cutting; Lathe) E  
**MICH.—Detroit**  
Anderson & Sons, W. H. (Asphalt Paving; Calking; Carving; Contractors'; Granite; Stoncutters'; Ice; Logging; Lumbermans'; Paving; Pitching; Railroad Track; Slaters'; Plumbers'; Planer; Lathe) C  
Burr's Damascus Tool Wks., 66 Fort, E. (Moulders) D  
Lauer, Jno., 112 St. Antoine (Pneumatic) C  
Mitschkun Co., M., Chamb. of Com. Bldg. (Contractors') C  
Strellinger Co., Chas. A., 98 Betts (Slaters) A  
**MICH.—Ewart**  
Champion Tool & Handle Wks. (Logging; Lumbermans') A  
**MICH.—Galien**  
Montrose, Richard W. (Hand Farming) X  
**MICH.—Jackson**  
Withington & Cooley Mfg. Co. (Haying; Combination Garden; Miners') AA  
**MICH.—Kalamazoo**  
Kalamazoo Railway Supply Co. (Contractors') B  
**MICH.—Lansing**  
Bement & Sons, E. (Hand Farming; Garden) AAA  
**MICH.—Manton**  
Meyer Hdw. Co. (Contractors') G  
**MICH.—Port Huron**  
Draper Mfg. Co. (Valve Facing) D  
Port Huron Air Tool Co. (Pneumatic) F  
**MICH.—Saginaw**  
Morley Bros. (Inc.) (Logging; Lumber) AA  
Saginaw Hdw. Co. (Lumbering) A  
Stocker Bros. & Co. (Logging; Lumbermans') G  
**MICH.—Three Rivers**  
Sheffield Car Co. (Railroad Track) AA  
**MINN.—Duluth**  
Clyde Iron Wks. (Inc.) (Logging; Lumbermans') A  
Marshall-Wells Hdw. Co. (Contractors') AAAA  
Northwestern Mfg. Co. (Logging; Lumbermans') F  
**MINN.—Merriam Park**  
Law Mfg. Co. (Haying) F  
**MINN.—Minneapolis**  
Morrison & Co., W. K., 249 Nicollet Av (Contractors') A  
Therien Tool Wks., 118 1st Av. (Granite; Stoncutters') E  
**MINN.—St. Paul**  
Amer. Holst & Derrick Co. (Contractors') A  
Helwig Mfg. Co. (Pneu-

# **TOOLS (Con.)**

matic) F  
**MISS.—Meridian**  
Soule Steam Feed Wks. (Lumber) C  
**MO.—Browning**  
Jenkins Hay Rake Staker Co. (Haying) A  
**MO.—Kansas City**  
Amer. Frog & Mfg. Co., New England Bldg. (Railroad Track) E  
Hauck & Son, Jno., 20th & Southwest Boul. (Granite Stoncutters; Concrede, Etc.; Paving) G  
Smith & Sons Mfg. Co. (Plows; Grades; Ditches, Etc.; Contractors') AA  
Vogl, Geo., 1910 Walnut (Granite; Stoncutters') E  
**MO.—St. Joseph**  
Hochenauer, Jno. (Granite; Stoncutters') G  
**MO.—St. Louis**  
Brecht Butchers' Supply Co., Gus. V. (Butchers') AAA  
Broderick & Bascom Rope Co., 809 N. Main (Contractors') AA  
Cahill, Swift Mfg. Co., 20 S. 12th (Contractors') A  
Crescent Novelty Mfg. Co., 703 S. Bway. (Coopers'; Granitoid Sidewalk Paving; Pitching) D  
Davis Expansion Boring Tool Co. (Expansion Boring, for Boring Mills, Lathers or Drill Presses) A  
Handlan-Buck Mfg. Co., 210 N. 3rd (Contractors'; Railroad Track) AA  
Hirsch & Sons Iron & Rail Co., Cal., 212 Clark Av. (Contractors') AA  
Leschen & Sons Rope Co., A., 920 N. 1st (Contractors') AAA  
Mound Tool & Scraper Co., 710 Howard (Packing; Scraping) X  
Rumsey Mfg. Co., L. M., 806 N. 2nd (Contractors') AAA  
St. Louis Pneumatic Tool Co., 319 N. 4th (Pneumatic) B  
St. Louis Shovel Co. (Br. Amer. Shovel & Tool Co., Boston, Mass.) (Drainage) AAAA  
St. Louis Well Mach. & Tool Co. (Oil Well) C  
Schuieddig & Son, F., 525 S. Jeffn. (Granite; Stoncutters') E  
Standard Railway Equipment Co., Union Trust Bldg. (Pneumatic) D  
Swaine Co., Fred J., (Tin-smiths') B  
Waycott Supply Co., 527 N. 2nd (Contractors') F  
Zelnicker Supply Co., Walter A., (Railroad Track) C  
**NEBR.—Omaha**  
Baum Iron Co., 1210 Harney (Contractors') AA  
Lee-Glass-Andreesen Hdw. Co., 9th & Harney (Contractors') A  
Lehmer, Joseph R., 1212 Farnham (Contractors') D  
Martin-Anderson Co. (Haying) A  
Morton & Son Co., James, 1511 Dodge (Contractors') B  
**N. H.—Concord**  
Nutting & Hayden (Granite; Stoncutters') F  
**N. H.—Lebanon**  
Kendrick & Davis (Watch-makers') A  
**N. H.—Nashua**  
Flather & Co. (Machinists') A  
**N. J.—Bayonne**  
Nagengast & Co., Joseph (Coopers') F



# **TOOLS (Con.)**

**N. J.—Bridgeton**  
 Ferracute Machine Co. (Canmakers'; Tinsmiths) A

**N. J.—Elizabeth**  
 Braunsdorf - Mueller Co. (Bell Centering; Piano-makers' Plasterers'; Wood Turners') .....D

**Elizabeth Hdw. Co., 202 Broad (Contractors') ..B**

**N. J.—Gloucester City**  
 Rogers Boat Gauge & Drill Wks., Jno. M. (Thread Cutting) ..... B

**N. J.—Greenlock**  
 Bateman Mfg. Co. (Garden) A

**N. J.—Newark**  
 Atha Tool Co. (Calking; Coopers'; Drill Sharpening; Farriers'; Lathe; Pitching; Railroad Track; Blacksmiths') ..... A

**Currier & Son, Cyrus (Engravers') ..... AA**

**Gould & Eberhardt (Thread Cutting; Cut-Off; Lath) A**

**Heller Bros. Co. (Farriers'; Blacksmiths') ..... AA**

**Hewes & Phillips Iron Wks. (Machinists') ..... A**

**Johnson, Wm., 249 Plane (Plumbers'; Tanners') D**

**Kraeuter Co. (Piano; Plumbers') ..... E**

**National Saw Co. (Circular Saw; Molders') .....AAAA**

**Osborne & Co., C. S. (Calking; Plumbers'; Saddlers') B**

**Osborne Co., H. F. (Saddlers') .....E**

**Roe & Conover, 200 Market (Contractors') ..... A**

**Sargent Mfg. Co. (Saddlers') ..... A**

**Winkler, Fred (Saddlers') F**

**N. J.—New Brunswick**  
 Lea, Thos. (Boring) ....H

**N. J.—New Orange**  
 Wright Co., The Chas. E. (for Band Saw Machines) B

**N. J.—Plainfield**  
 Pond Machine Tool Co. (Br. Niles-Bement-Pond Co., N. Y. City, N. Y.) (Machinists') .... AAAA

**N. J.—Salem**  
 Ayars Machine Co. (Canmakers') ..... B

**N. J.—Smithville**  
 Smith Machine Co., H. B. (Machinists') ..... A

**N. Y.—Albany**  
 Albany Steam Trap Co. (Boilermakers') ..... D

**N. Y.—Athens**  
 Dornell & Co., H. F. (Ice) E

**N. Y.—Binghamton**  
 G. & E. Electric Co. (Boring) ..... E

**Star Electric Co. (Boring) D**

**N. Y.—Brooklyn**  
 Adams & Co., J. J. (Sash) A

**Bliss Co., E. W. (Canmakers'; Brassworking) AAAA**

**Brown, James H., 139 3rd Av. (Granite; Stonecutters') ..... F**

**Evans, F. H. (Gas Works; Roofers'; Pavers') .... C**

**Pioneer Iron Wks., 151 William (Asphalt Paving) A**

**Pollard, Joseph G., 141 Raymond (Calking; Paving) .....F**

**Williams & Co., J. H., 9 Richards (Railroad Track) AAA**

**N. Y.—Buffalo**  
 Beals & Co., 44 Terrace (Contractors') ..... B

**Diamond Saw & Stamping Co. (Saw) .....D**

**Iroquois Iron Wks., 178**

# **TOOLS (Con.)**

**Walden Av. (Asphalt Paving) ..... A**

**Niagara Machine & Tool Wks. (Plumbers'; Tanners'; Slaters'; Canmakers'; Tinroofing) AAA**

**Oliver Mfg. Co., W. W., 1483 Niagara (Watchmakers'; Jewelers') ....O**

**Osgood, J. L. (Diamond Pointed; Diamond Shaping) ..... O**

**Shepard & Co., Sidney (Ice) AAAA**

**Union Mfg. & Plating Co. (Rubber Tire Repair) D**

**Walbridge & Co., 392 Main (Contractors') ..... A**

**West Mfg. Co. (Canmakers'; Tinroofing; Tinsmiths') D**

**White Co., L. & I. J. (Calking; Coopers'; Ice; Butchers'; Slaters'; Ship Carpenters') ..... A**

**N. Y.—Canastota**  
 Dobson, Wm. (Moulders) F

**N. Y.—Frankfort**  
 Acme Road Mchry. Co. (Contractors') ..... O

**Continental Tool Co. (Walk Cleaning) ..... A**

**N. Y.—Ilion**  
 Remington Arms Co. (See N. Y. City) (Reloading) AAAA

**N. Y.—Ithaca**  
 Williams Bros. (Artesian; Oil Well) ..... AA

**N. Y.—Lansingburg**  
 Empire Forge Co., 464 4th Av. (Ice) ..... F

**Cheney Hammer Co., Henry (Farriers'; Blacksmiths') L**

**N. Y.—Lockport**  
 Trevor Mfg. Co. (Coopers') B

**N. Y.—Marathon**  
 Olimax Road Machine Co. (Contractors') ..... B

**N. Y.—Montour Falls**  
 General Pneumatic Tool Co. (Pneumatic Marble; Stonecutters') ..... O

**New York City**  
 Amer. Axe & Tool Co., 258 Bway. (Coopers'; Edge) AAAA

**Amer. Gas Furnace Co. (Machinists') ..... A**

**Amer. Steel & Wire Co. (U. S. Steel Corp.) (Barbed Wire Fence) .....AAAA**

**Ashcroft Mfg. Co. (Boilermakers') ..... A**

**Bacon Earle C., Havemeyer Bldg. (Contractors') ..D**

**Baldwin, Frank, 33 South (Contractors') ..... E**

**Beggs & Co., James, 9 Dey (Mfrs. Agts.) (Contractors') ..... B**

**Brodie & Co., Wm. H., 45 Vesey (Contractors') ..E**

**Clayton Air Compressor Wks. (Pneumatic) ....B**

**Davies, Frank, 68 Broad (Contractors') ..... X**

**Dickinson, Jno. (Est. of 64 Nassau (Diamond Opticians) ..... B**

**Dickinson, Thomas L. (Diamond Turning Lathe) H**

**Dienst & Co., A. P., 3rd Av. & 140th (Contractors') ..... O**

**Dudgeon, Richard (Boilermakers') .....A**

**Eaton, Cole & Burnham Co. (Plumbers') ..... AAA**

**Eyeless Tool Co., 26 Corrlandt (Contractors' Hand; Railroad Track) ..... A**

**Fairbanks Co., 186 Elm (Contractors'; Blacksmiths'; Machinists') AAAA**

**Force & Co., Wm. A. (Rubber Stamp Making) ..B**

**Fox Bros. & Co., 24 Vesey (Contractors') ..... D**

**Frasse Co. (Bicycle Repair;**

# TOOLS (Con.)

Machinists' ..... B  
 Galt & Sons, Inc., 258  
 Bway. (Slaters') ..... A  
 Garvan Machine Co. (Ma-  
 chine; Machinists') AAAAA  
 Gesswein Co., F. W., 89  
 John (Watchmakers';  
 Jewelers'; Polishers'; En-  
 gravers') ..... A  
 Hammacher, Schlemmer &  
 Co., 209 Bowery (Carving;  
 Carving; Granite; Stone-  
 cutters'; Molders') AAA  
 Hanlon & Goodman (Sash)  
 A  
 Haydeville Mfg. Co.  
 (Plumbers') ..... A  
 Hudson Machine & Peu-  
 matic Tool Co., Green-  
 wich & Bethune (Pneu-  
 matic) ..... U  
 Jennings & Co., C. E.  
 (Mechanics') ..... D  
 Kane, Edw. J., 260 Front  
 (Contractors') ..... X  
 Keuffel & Esser Co., 127  
 Fulton (Engravers') AA  
 Koppel, Arthur, 68 Broad  
 (Contractors') ..... AA  
 Kotten, H. G., 120 Liberty  
 (Pneumatic) ..... E  
 Krieg & Co., C. W., Warren  
 St. (Boot; Shoe) .... A  
 Leavitt & Co., C. W., 15  
 Cortlandt (Contractors') D  
 McCoy, Henry, J., 65 Dey  
 (Contractors') ..... D  
 McDougall & Potter Co.  
 (Oil Well) ..... D  
 Manning, Maxwell & Moore,  
 85 Liberty (Contractors')  
 AAA  
 Marine Mfg. & Supply Co.,  
 158 South (Contractors')  
 D  
 Mead & Co., I. V., 418 E.  
 110th (Granite; Stoncut-  
 ters') ..... F  
 New Jersey Fdy. & Machine  
 Co., 15 Murray (Contrac-  
 tors') ..... D  
 Niles-Bement-Pond Co., 186  
 Liberty (Planer; Brass-  
 working) ..... AAAAA  
 Pierce Well Engineering &  
 Supply Co. (Artesian; Oil  
 Well) ..... C  
 Pollock Co., Alex., 203 West  
 (Contractors') ..... AA  
 Prentiss Vise Co., 44 Bar-  
 clay (Pneumatic) .... C  
 Ransome Concrete Mchry.  
 Co., 11 Bway. (Concrete  
 Mixers) ..... E  
 Reichelm & Co., E. P.  
 (Polishers'; Machinists')  
 C  
 Reilley Bros. (Paperhang-  
 ers') ..... D  
 Roberts & Bros. (Inc.) Geo.  
 I., 471 4th Av. (Contrac-  
 tors') ..... B  
 Schaefer & Co., W. J., 96  
 Centre (Contractors')  
 Railroad Track) ..... F  
 Schwartz, Joseph (Cigar-  
 makers') ..... D  
 Smith & Hemenway Co.,  
 296 Bway. (Slaters) .... D  
 Smith, Sidney E. (Confec-  
 tioners') ..... X  
 Smith Mfg. Co., H. J., 180th  
 & Park Av. (Paperhang-  
 ers'; Papercutter, Etc.)  
 F  
 Spear & Tietjen Supply Co.,  
 85 West (Contractors')  
 D  
 Stanbach, B. (Butchers') A  
 Steel Set Diamond Co., 86  
 Gold (Diamond Pointed;  
 Diamond Shaping) ..... X  
 Stimpson & Son, Edwin B.  
 (Boot; Shoe) ..... A  
 Thompson Son & Co., 118  
 Liberty (Contractors') .. A  
 Topping Bros., 92 Chambers  
 (Contractors' Picks; Shov-  
 els, etc.) ..... A  
 Tower & Lyons Co., 95  
 Chambers (Miners' Cap-  
 ping) ..... B  
 Treadwell & Co., M. H., 95

# TOOLS (Con.)

Liberty (Contractors') ..O  
 Wingate, C. G., 41 Dey  
 (Contractors') ..... X  
 Woodhouse, J. S., 191 Water  
 (Contractors') ..... C  
 N. Y.—Niagara Falls  
 Dobbie Fdy. & Machine Co.,  
 (Derricks; Fittings;  
 Hoists, etc.; Contractors')  
 B  
 N. Y.—Orangeburgh  
 Empire Engine & Motor Co.  
 (Pneumatic) ..... B  
 N. Y.—Port Chester  
 Wilcox's Sons, J. (Tin-  
 smiths') ..... A  
 N. Y.—Rensselaer  
 Birch & Co., Geo. A. (Ice) E  
 N. Y.—Rochester  
 Clark Novelty Co. (Special)  
 D  
 Crafts, F. H., 97 Glendale  
 Park (Finishing, for Ar-  
 tificial Stone) ..... X  
 Gleason Tool Co. (Machine)  
 A  
 Gregg & Son, M. (Coopers')  
 E  
 Streeter & Co., N. R., 220  
 N. Water (Ice) ..... B  
 Wells & Sons, Chas., 235  
 M... (Granite; Stonecut-  
 ters') ..... E  
 N. Y.—Seneca Falls  
 Seneca Falls Mfg. Co.  
 (Drilling; Fishing; Oil  
 Well) ..... B  
 N. Y.—Staatsburgh  
 Bodenstein & Co., J. G.  
 (Ice) ..... F  
 N. Y.—Syracuse  
 Clancy Bros. (Contractors')  
 B  
 Stearns & Co., E. C. (Black-  
 smiths'; Coopers') .... AA  
 Syracuse Chilled Plow Co.  
 (Haying) ..... AA  
 Syracuse Hdw. & Iron Co.  
 (Contractors') ..... A  
 Syracuse Supply Co., 314 W.  
 Fayette (Contractors') .B  
 N. Y.—Troy  
 Palmer Hdw. Mfg. Co.  
 (Ice) ..... B  
 N. Y.—Utica  
 Eureka Mower Co. (Hay-  
 ing) ..... B  
 Foster, David S., 135 Gen-  
 esee (Contractors') ..AA  
 Wright-Dana Hdw. Co.  
 (Contractors') ..... B  
 N. Y.—Waterford  
 Holroyd & Co. (Black-  
 smiths') ..... A  
 King & Co., J. M. (Black-  
 smiths'; Plumbers') ...A  
 OHIO—Akron  
 Akron Machine Co. (Hay-  
 ing) ..... C  
 Star Drilling Machine Co.  
 (Drilling; Fishing; Oil  
 Well) ..... A  
 Whitman & Barnes Mfg. Co.  
 (Boring; Haying; Milling;  
 Machine) ..... AAAAA  
 OHIO—Ashland  
 Myers & Bro., F. E.  
 (Haying) ..... AA  
 OHIO—Canton  
 Ney Mfg. Co. (Haying) ..B  
 Ney Co., V. L. (Haying) B  
 OHIO—Cincinnati  
 Bromwell Brush & W. G. Co.  
 (Sash) ..... A  
 Cinn. Milling Machine Co.  
 (Machinists') ..... A  
 Cinn. Tool Co. (See Nor-  
 wood) (Coopers'; Mecha-  
 nics') ..... A  
 Dietz, Schumacher & Boyne  
 (Lathe; Machine) ..... C  
 Emrich, Phil. (Tanners';  
 Curriers') ..... C  
 Gray Co., G. A. (Machine;  
 Machinists') ..... A  
 Haven Co., James L. (Hand;  
 Farming; Blacksmiths')B  
 Hayden - Roth & Evans Co.  
 (Thread Cutting Lathe) F  
 Johnston Co., Wm. T., 522  
 Main (Contractors'; Full  
 Lue) ..... C

# **TOOLS (Con.)**

Kinsey Co., E. A., 331 W. 4th (Contractors'; Railroad Track) .....B  
 Lodge & Shipley Machine Tool Co. (Machine; Machinists') .....A  
 Obermayer Co., S., 647 Evans (Moulders') .....A  
 Robinson & Co., J. M. (Tin-smiths') .....B  
 Rogan, Wm., 262 W. McMicken (Granite; Stonecutters') .....X  
 Sebastian Lathe Co. (Br. Covington, Ky.) (Machinists') .....C  
 Tatum Co., Samuel (Mechanics') .....B  
**OHIO—Cleveland**  
 Amer. Fork & Hoe Co. (Floral) .....AAAA  
 Bardons & Oliver (Special)A  
 Cleveland Pneumatic Tool Co., 74 Frankfort (Pneumatic) .....A  
 Crescent Mfg. Co. (Boilermakers') .....X  
 Gerlach & Co., Peter, 28 Columbus (Ice; Logging; Lumber) .....B  
 Hart Mfg. Co., 22 Wood (Thread Cutting) .....B  
 Reliance Machine & Tool Co. (Thread Cutting Lathe) C  
 Smith Fdry. Supply Co., J. D., 40 S. Water (Moulders') .....D  
 Standard Tool Co. (Special; Combination Handy) AAA  
 Strong, Carlsisle & Hammond Co., 61 Frankfort (Contractors') .....A  
 Warner & Swasey (Brassworkers'; Machine) ...A  
**OHIO—Columbus**  
 Brown, Hinman & Huntington Co. (Hand; Farm; Garden) .....A  
 Columbus Machine Co. (Machinists') .....A  
 Columbus Pneumatic Tool Co. (Pneumatic) .....D  
 Ohio Tool Co. (Coopers'; Mechanics') .....A  
**OHIO—Dayton**  
 Amer. Bolt & Seven Case Co. (Bicycle Repair) ..D  
 Dayton Malleable Iron Co. (Miners') .....AA  
 Trimbach, Geo. (Granite; Stonecutters') .....F  
**OHIO—Geneva**  
 Geneva Tool Co. (Hand; Farming) .....AA  
**OHIO—Hamilton**  
 Advance Mfg. Co. (Hand; Farming) .....D  
 Niles Tool Wks. (Machine; Machinists') .....AAAA  
**OHIO—Lima**  
 Ackerman & Castle (Drilling; Fishing; Oil Well) E  
 Sinclair & Morrison Co. (Drilling; Fishing; Oil Well) .....A  
**OHIO—Mansfield**  
 Ohio Brass Co. (Ice) ....B  
**OHIO—Marietta**  
 Leidecker Tool Co. (Drilling; Fishing; Oil Well).A  
**OHIO—Piqua**  
 Piqua Handle & Mfg. Co. (Coopers') .....A  
**OHIO—Ravenna**  
 Byers Machine Co., Jno. F. (Contractors') .....B  
**OHIO—Salem**  
 Clark Co., N. J. (Garden) B  
**OHIO—Sandusky**  
 Sandusky Tool Co. (Hand; Farming; Coopers') ....A  
**OHIO—Springfield**  
 Foss Mfg. Co. (Hand, Farming; Blacksmiths') ....A  
 Ridgely, Chas. T. (Paperhangers') .....C  
 Webster & Peerk's Tool Co. (Machinists'; Paperhangers'; Brickmakers') ....D  
 Western Mfg. Co. (Lathe; Side; Planer) .....E

# **TOOLS (Con.)**

**OHIO—Toledo**  
 Heartley Machine Variety Iron & Tool Wks. (Stonecutters'; Granite; Ice) D  
 Toledo Machine & Tool Co. (Range Builders') .....A  
 Union Mfg. Co. (Toy) ....X  
**OREGON—Portland**  
 Avery & Co. (Logging; Lumberman's) .....C  
**PA.—Allegheny**  
 Carlin Mchry. & Supply Co., 103 Lacock (Contractors'; Rolling Mill) .....A  
 Heathcote, Thos., 829 Penna Av. (Granite; Stonecutters') .....G  
**PA.—Allentown**  
 Grammes & Sons, L. F. (Brush Nailing Mchry.)B  
**PA.—Altoona**  
 Wolf Hdw. Co., S. J., 1414 11th Av. (Contractors') D  
**PA.—Athens**  
 Imperial Pneumatic Tool Co. (Pneumatic) .....A  
**PA.—Bangor**  
 Flory Mfg. Co., S. (Slaters) A  
**PA.—Beaver Falls**  
 Emerson, Smith & Co. (Ltd.) (Coopers') ....AA  
 Keystone Driller Co. (Drilling; Fishing; Oil Well) B  
 Myers Co., H. M. (Drainage) .....AAAA  
**PA.—Bradford**  
 Bovalrd & Seyfang Mfg. Co. (Drilling; Fishing; Oil Well) .....A  
 Robertson, D. W. (Drilling; Fishing; Oil Well) ....B  
**PA.—Butler**  
 Kesselman & Co. (Drilling; Fishing; Oil Well) ....B  
 Larkin & Co. (Drilling; Fishing; Oil Well) ....B  
**PA.—Cadwallader**  
 Herbertson's Sons, J. (Oil Well) .....C  
**PA.—Chester**  
 Black & Co., H. B. (Butchers') .....A  
**PA.—Danielsville**  
 Hower, J. K. (Slaters'; Supplies) .....B  
**PA.—Duke Centre**  
 Irvine, A. T. (Oil Well) X  
**PA.—Eldred**  
 Prouty & Co., C. (Logging; Lumberman's) .....A  
**PA.—Erie**  
 Erie Pump & Engine Co. (Contractors'; Pumps) O  
 Erie Specialty Co. (Ice) B  
**PA.—Frankford**  
 Plumb, Fayette R. (Drill Sharpening; Pitching; Railroad Track; Blacksmiths'; Miners') ....AA  
**PA.—Harrisburg**  
 Hickok Mfg. Co. (Bookbinders') .....A  
**PA.—Hazleton**  
 Hazleton Mchry. & Supply Co. (Contractors') ....AA  
**PA.—Jamestown**  
 Columbia Tool Co. (Farriers') .....X  
**PA.—Kittanning**  
 Kittanning Drilling Tool Co. (Drilling; Fishing; Oil Well) .....G  
**PA.—Lancaster**  
 Hubley Mfg. Co. (Jewelers'; Toolmakers') .....A  
 Reiser & Co., L. C. (Jewelers') .....B  
 Stehman & Coho Mfg. Co. (Jewelers') .....B  
**PA.—Mars**  
 Sheridan & Co., James J. (Drilling; Fishing; Oil Well) .....D  
**PA.—Ogontz**  
 Hammond & Son, C. (Farriers'; Blacksmiths') ...A  
**PA.—Philadelphia**  
 Bement, Niles & Co. (Br. Niles-Bement-Pond Co., N. Y. City) (Planer; Machine; Machinists') AAAA

# **TOOLS (Con.)**

Bickerton, T. B., 23 N. 6th  
(Contractors') .....F  
Calvert & Holloway (Tin-  
smiths') .....B  
Contractors' Tool Co., 118  
S. 6th (Asphalt Paving;  
Pitching) .....F  
Dallett & Co., Thos. H.,  
2303 York (Pneumatic;  
Marble; Stonecutters';  
Boilermakers') .....A  
Economy Tool Mfg. Co.,  
11th & Wood (Pneumatic)  
.....X  
Ellis & Sons Co., Geo. D.  
(Tanners'; Curriers') ..C  
Griffiths Co., Geo. (Drain-  
age) .....A  
Harper & Sons, Smith  
(Hand; Farming) .....A  
Harrington Son & Co., E.  
(Machine; Machinists') AA  
Horn & Co., Wm. H. (Boot;  
Shoe; Curriers'; Tanners')  
.....B  
Johnson, Jr. & Co., I. H.  
(Machine) .....A  
Kueny, Nicholas M. (Brick-  
makers') .....X  
McFadden Co. (Lathe) ...X  
Mills & Bro., Thomas (Con-  
fectioners') .....A  
Mitton, Job. G., S. 30th &  
Locust (Granite; Stone-  
cutters') .....H  
Model Mfg. Co. (Combina-  
tion Handy) .....F  
Newton Machine Tool Wks.  
(Machine) .....A  
Nittinger, August (Butch-  
ers') .....A  
Noble, Henry A. (Artificial  
Stone; Finishers') .....E  
Paxson Co., J. W., 1021 N.  
Del. Av. (Moulders') ..AA  
Pedrick & Ayer Co., 1001  
Hamilton (Pneumatic;  
Blacksmiths'; Machin-  
ists') .....A  
Philadelphia Novelty Mfg.  
Co. (Combination Garden)  
.....B  
Phila. Pneumatic Tool Co.,  
21st & Allegheny Av.  
(Pneumatic Stone Carv-  
ing; Pneumatic Stone  
Dressing) .....C  
Phosphor Bronze Smelting  
Co. (Ltd.) (Powder Mills)  
.....A  
Sellers & Co., (Inc.) Wm.  
(Machine; Machinists')  
.....AAAA  
Shannon & Co., J. Jacob.  
1744 Market (Contract-  
ors') .....A  
Standard Supply & Equip-  
ment Co., 1710 Market  
(Contractors') .....D  
Stortz & Son, Jno., 210 Vine  
(Ice; Lathe; Linemen's;  
Oysterman's; Paperhang-  
ers'; Pitching; Plumbers';  
Tinner's; Slaters' Ham-  
mers; Rippers; Stakes.  
etc.; Tinroofing) .....F  
Thompson & Campbell  
(Curriers') .....X  
U. S. Smelting Wks. (Bicy-  
cle Repair) .....B  
Williamson & Cassidy, 526  
Market (Contractors') A  
**PA.—Pittsburg**  
Anderson, Du Puy & Co.  
(Crucible Steel Co. of  
Amer.) (Miners'; Black-  
smiths'; Railroad) AAAA  
Bailey-Farrel Mfg. Co.  
(Plumbers') .....AA  
Baker Mfg. Co., James H.,  
Park Bldg. (Railroad  
Track) .....A  
Carlin Co., W. J., 25th &  
A. V. Ry. (Contractors') A  
Carron & Co., A. M., 108  
Market (Pneumatic Tool  
Lubricators) .....D  
Frick & Lindsay Co., 109  
Wood (Contractors') ...C  
Gloekler, Bernard (Butch-  
ers') .....A  
Hubbard & Co., Murtland

# **TOOLS (Con.)**

Bldg. (Railroad Track) A  
Iron City Tool Wks. (Rail-  
road Track; Blacksmiths')  
.....B  
Jones & Laughlin Steel Co.  
(Ltd.) (Railroad Track)  
.....AAAA  
Kirk & Son, Arthur, 910  
Duquesne Way (Contract-  
ors') .....X  
Klein-Logan Co., S. 18th &  
Breed (Stonecutters';  
Pitching; Railroad Track)  
.....A  
Logan-Gregg Hdw. Co., 125  
7th (Contractors') ....A  
McIlwain & Co., J. D., 208  
3d Av. (Contractors';  
Mchry.; Supplies) ....X  
O'Halloran & Jacobs, 335  
5th Av. (Slaters'; Sup-  
plies) .....D  
Oil Well Supply Co. (Oil  
Well) .....AAAA  
Oliver Iron & Steel Co.  
(Railroad Track) AAAA  
Pittsburg Gauge & Supply  
Co., 309 Water (Contract-  
ors') .....AA  
Somers, Fidler & Todd Co.,  
327 Water (Contractors')  
.....A  
Standard Scale & Supply  
Co., 211 Woods (Contract-  
ors') .....B  
Tretheway & Co., (Ltd.)  
Saml., 47th nr. Butler  
(Roll Turning; Rolling  
Mill) .....F  
Wickes Bros., 45th & A. V.  
R. R. (Br. Saginaw,  
Mich.) (Contractors') AA  
Yagle & Co., (Ltd.) Wm.,  
400 32nd (Contractors')  
Blake; Rock; Ore Crush-  
ers) .....C  
**PA.—Reading**  
Reading Mach. & Tool Co.  
(Wire Fence) .....B  
Reading Standard Cycle  
Mfg. Co. (W. F. Remp-  
pls, Prop.) (Lathe Bor-  
ing) .....B  
**PA.—Sharon Hill**  
Rose & Bros., Wm. (Brick-  
makers') .....D  
**PA.—Slatington**  
McKenna, David (Slaters';  
Supplies) .....E  
**PA.—Stroudsburg**  
Tanite Co. (Diamond Turn-  
ing; Lathe) .....A  
**PA.—Tacony**  
Disston & Sons (Inc.) Henry  
(Moulders'; Saw) .AAAA  
**PA.—Verona**  
Verona Tool Co. (Railroad  
Track; Miners') .....A  
**PA.—Warren**  
Best, Jno. (Drilling; Fish-  
ing; Oil Well) .....F  
Warren Axe & Tool Co.  
(Turpentine) .....B  
**PA.—Waynesboro**  
Landis Tool Co. (Machine)  
.....B  
**PA.—Wilkesbarre**  
Penna. Supply Co. (Contract-  
ors') .....A  
**PA.—Wrightsville**  
Wrightsville Hdw. Co.  
(Toy) .....C  
**B. I.—Pawtucket**  
Carpenter Tap & Die Co., J.  
M. (Machinists') .....C  
Thayers' Son, Ellis (Sash) X  
**R. I.—Providence**  
Amer. Emery Wheel Wks.  
(Diamond Pointed) ...C  
Amer. Supply Co. (Roll  
Coverers') .....AA  
Beaman & Smith (Machine)  
.....B  
Brown & Sharpe Mfg. Co.  
(Milling; Machine; Screw  
Machine; Special; Machin-  
ists') .....AAAA  
Coleman & Sons, Walter.  
300 S. Water (Contract-  
ors') .....C  
Congdon & Carpenter Co.

**TOOLS (Con.)**

(Contractors') .....AA  
 Diamond Machine Co.  
 (Lathe; Diamond Turn-  
 ing, Lathe) .....A  
 McWilliams Mfg. Co. (Jew-  
 elers'; Watchmakers') ..D  
 Mann, Chas. A. (Watch-  
 makers'; Jewelers') ....E  
 Nicholson File Co. (Filers';  
 Jewelers'; Toolmakers')  
 AAAAA  
 Standard Mchry. Co. (Jew-  
 elers'; Toolmakers') ...A  
 Thomas & Lowe Mchry.-Co.  
 (Repoussé) .....C  
 Thurston Mfg. Co. (Watch-  
 makers'; Jewelers') ....C  
**R. I.—Westerly**  
 Rhode Island Granite Tool  
 Co. (Granite; Stonecut-  
 ters') .....E  
 Weseterly Granite Tool Co.  
 (Stonecutters') .....X  
**TENN.—Chattanooga**  
 James & Co., 101 W. 8th  
 (Contractors') .....B  
**TENN.—Knoxville**  
 Luttrell & Co., S. B. (Con-  
 tractors') .....AA  
 McClung & Co., C. M. (Con-  
 tractors') .....AA  
**TENN.—Memphis**  
 Livermore Fdry. & Machine  
 Co. (Contractors') .....A  
**TEXAS—Fort Worth**  
 Ft. Worth Iron Wks. (Arte-  
 sian; Oil Well) .....A  
**VT.—Barre**  
 Ahern, James (Granite;  
 Stonecutters') .....F  
 Trow & Holden (Granite;  
 Stonecutters'; Paving Cut-  
 ters') .....D  
**VT.—Bellows Falls**  
 Derby & Ball (Garden) ..B  
**VT.—Brookfield**  
 Peck, Clark & Co. (Hand;  
 Farming) .....D  
**VT.—Derby Line**  
 Butterfield & Co. (Haying;  
 Blacksmiths') .....B  
**VT.—East Highgate**  
 Rixford, Oscar S. (Hand;  
 Farming) .....B  
**VT.—Hartford**  
 French; Watson & Co.  
 (Hand; Farming) .....D  
**VT.—Springfield**  
 Jones & Lamson Machine  
 Co. (Machine) .....AA  
 Superior Tap Co. (Thread  
 Cutting Lathe) .....F  
**VA.—Richmond**  
 McGraw, James, 1440 E.  
 Main (Contractors') ....B  
 Smith-Courtney Co. (Con-  
 tractors') .....B  
**WASH.—Hoquiam**  
 Grays Harbor Iron Wks.  
 (Logging; Lumberman's) F  
**WASH.—Kelso**  
 Remick, A. R. (Logging;  
 Lumberman's) .....G  
**WASH.—Seattle**  
 Adair & Son, Geo. B. (Con-  
 tractors') .....D  
 Loggers Supply Co. (Log-  
 ging; Lumberman's) ...B  
**W. VA.—Sistersville**  
 Finlayson, Jno. (Drilling;  
 Fishing; Oil Well) ....F  
 West Virginia Tool Co.  
 (Drilling; Fishing; Oil  
 Well) .....D  
**W. VA.—Wheeling**  
 Wheeling Hinge Co. (Black-  
 smiths'; Machinists') AAA  
**WIS.—Janesville**  
 Rock River Machine Co.  
 (Haying) .....B  
**WIS.—Milwaukee**  
 Filer & Stowell Co. (Ltd.)  
 (Band Saw; Circular  
 Saw; Lumbering) ....AAA  
 Milwaukee Hay Tool Co.  
 (Haying) .....A  
**WIS.—Oshkosh**  
 Oshkosh Logging Tool Co.  
 (Haying; Logging; Lum-  
 berman) .....C  
 Sanford Logging Tool Co.

**TOOLS (Con.)**

(Logging; Lumberman's)  
 D  
**WIS.—Racine**  
 Racine Malleable &  
 Wrought Iron Co. (Black-  
 smiths') .....B  
**WIS.—Sheboygan**  
 Spratt & Co., Geo. (Hand;  
 Farming) .....D

**TOOTHPICKS**

**CONN.—Chester**  
 Bates, C. J. (Alaska Ivory)  
 D  
**MAINE—Deering**  
 Scammon Mfg. Co. ....E  
**MAINE—Dixfield**  
 Forster, Chas. (Est. of) ..D  
**MAINE—Mechanic Falls**  
 Hallett Toothpick Co. (Br.  
 Prov. R. I.) .....X  
**MASS.—Boston**  
 Cutter-Power Co., 234 Dev-  
 onshire (Wooden) ....B  
**MICH.—Clayton**  
 Perfection Mfg. Co. ....B  
**MICH.—Detroit**  
 Natl. Toothpick Co. ....F  
 Perfection Mfg. Co. ....D  
**MICH.—River Rouge**  
 Perfection Mfg. Co. ....D  
**MICH.—Saginaw**  
 Berst Mfg. Co. ....C  
 New York City  
 Aikin, Lambert & Co., 19  
 Maiden Lane (Gold) ..C  
 Estes & Sons, E. B., 45  
 John (Wooden) .....AA  
 Grote & Co., E. 14th ....D  
 Johnson & Co., E. S. (Gold)  
 D  
 Knapp Co., John H., 23  
 John (Gold) .....D  
 Mable, Todd & Bard, 130  
 Fulton (Gold) .....A  
**PA.—Bradford**  
 Union Dish Co. (Wooden) D  
**R. I.—Providence**  
 Hallett Toothpick Co. ....X  
 Pearce & Co., F. T. (Gold) C

**TOPAZ**

See Jewelry

**TOPS**

**CAL.—Los Angeles**  
 Pacific Clay Mfg. Co.  
 (Chimney) .....A  
**CAL.—San Francisco**  
 Clark & Sons, N., 17 Speer  
 (Chimney) .....A  
 Clawson & Co., L. E., 1840  
 Market (Chimney) ....E  
 Gladding, McBean & Co.,  
 Rialto Bldg. (Chimney) AA  
**CONN.—Meriden**  
 Hall, Wilbur B. (Salt; Pep-  
 per Box) .....D  
**CONN.—New London**  
 Burch & Co., H. O.  
 (Chimney) .....X  
**CONN.—Newtown**  
 Beers & Co., D. G. (Canopy,  
 also Trimmings, Wagon,  
 Carriage) .....E  
**CONN.—Wallingford**  
 Wallace & Sons Mfg. Co., R.  
 (Salt; Pepper Box) AAAA  
**GA.—Atlanta**  
 Southern Terra Cotta Wks.  
 (Chimney) .....X  
**GA.—Macon**  
 Stevens Sons Co., H. (Chim-  
 ney) .....A  
**ILL.—Chicago**  
 Adams & Westlake Co., On-  
 tario & N. Franklin (Pole)  
 AAA  
 Chicago Top & Cushion Co.  
 (Wagon) .....X  
 Cutter Co., Geo., Union &  
 Fulton (Pole) .....C  
 Davidson Bros. Marble Co.  
 (Marble, Raditor) ....B  
 Dee, Wm. E., 169 Jackson  
 Blvd. (Chimney) ....B  
 Hutchinson & Son, W. H.  
 (Inc.) (Bottle) .....A

**TOPS (Con.)**  
 Northwestern Terra Cotta  
 Co. (Chimney) .....AAA  
 Redlich Mfg. Co. (Bottle) E  
 Sherman & Flavin (Marble,  
 Furniture; Marble, Radiator) .....B  
 Sprague, Smith Co. (Mantel) C

**ILL.—Macomb**  
 Macomb Sewer Pipe Co.  
 (Chimney) .....B

**ILL.—Monmouth**  
 Monmouth Mining & Mfg.  
 Co. (Chimney) .....AA

**ILL.—Peoria**  
 Clark, Quien & Morse  
 (Chimney, Revolving) ..A

**ILL.—Sterling**  
 Lawrence Bros. (Chimney,  
 Revolving) .....AAA

**ILL.—Streator**  
 Iwan Bros. (Chimney, Revolving) .....O  
 Powers Bros. (Chimney, Revolving) .....B

**ILL.—Streator**  
 Streator Clay Mfg. Co.  
 (Chimney) .....A

**IND.—Anderson**  
 Buckeye Mfg. Co. (Canopy,  
 also Trimmings) .....C

**IND.—La Porte**  
 La Porte Carriage Co.  
 (Carriage) .....A

**MD.—Baltimore**  
 Baltimore Terra Cotta Wks.  
 (Chimney) .....D

**MASS.—Boston**  
 Anderson Mfg. Co., Albert  
 & J. M. (Pole) .....A  
 Boston Fire Brick Co., 164  
 Devonshire (Chimney) ..A

**MASS.—Westfield**  
 Smith Co., H. B. (Marble,  
 Radiator) .....AA

**MICH.—Detroit**  
 Anderson & Sons, W. H.  
 (Pole) .....C

**MINN.—Minneapolis**  
 Therlen Tool Wks., 116 First  
 Av., N. (Pole) .....E

**MO.—Kansas City**  
 Dickey Clay Mfg. Co., W.  
 S., N. Y. Life Ins. Bldg.  
 (Chimney) .....A

**MO.—St. Louis**  
 Evens & Howard Fire Brick  
 Co., 920 Market (Chimney) .....AAAA

**MO.—St. Louis**  
 Laclede Fire Brick Mfg. Co.,  
 105 N. 7th (Chimney) AAA

**MO.—St. Louis**  
 Missouri Tent & Awning Co.  
 (Carriage) .....B

**MO.—St. Louis**  
 St. Louis Basket & Box Co.  
 (Trunk) .....A

**MO.—St. Louis**  
 Schoenlan & Kukuk Trunk  
 Top & Veneer Co. (Trunk) B

**N. J.—Hoboken**  
 Woodman, Joel H. (Carriage) .....A

**N. J.—New Brunswick**  
 New Jersey Lamp & Bronze  
 Wks. (Clock) .....AAAA

**N. Y.—Brooklyn**  
 Vogel & Bros., Wm.  
 (Fruit Jar) .....AA

**N. Y.—Elmira**  
 Elmira Sewer Pipe & Fire  
 Brick Co. (Chimney) ..X

**N. Y.—Munnesville**  
 Munnesville Plow Co.  
 (Chimney) .....B

**N. Y.—New York City**  
 Consolidated Fruit Jar Co.  
 (Fruit Jar) .....AA

**N. Y.—New York City**  
 Estes & Sons, E. B. (Cork) AA

**N. Y.—New York City**  
 Giffing Iron Co., A. A.  
 (Marble, Radiator) ..AA

**N. Y.—New York City**  
 Klaber, A. (Marble, Furniture) .....B

**N. Y.—New York City**  
 Sargent & Co., 151 Leonard  
 (Hitching Post) ..AAAA

**N. Y.—New York City**  
 Stimpson & Son, E. B.  
 (Boot) .....B

**N. Y.—New York City**  
 Wittemann Bros. (Bottle) A  
 N. Y.—Oneida  
 Halliday, C. A. (Carriage) F

**OHIO—Akron**  
 Robinson Clay Product Co.  
 (Chimney) .....AAAA

**TOPS (Con.)**  
**OHIO—Canton**  
 Berger Mfg. Co. (Chimney,  
 Revolving) .....AA  
 Gibbs Mfg. Co. (Toy) ...A  
 Kohler & Co., F. E. (Malleable D. Handle) .....B

**OHIO—Cincinnati**  
 Cincinnati Sewer Pipe Co.  
 (Chimney) .....E  
 Electric Railway Equipment  
 Co. (Pole) .....A  
 Warner Pole & Top Co. (Carriage) .....O

**OHIO—Cleveland**  
 Avery Stamping Co. (Malleable D. Handles) .....B  
 Garry Iron & Steel Co.  
 (Chimney, Revolving) .A  
 Osborn Mfg. Co. (Chimney,  
 Revolving) .....B

**OHIO—Columbus**  
 Wassall Fire Clay Co.  
 (Chimney) .....D

**OHIO—Haydenville**  
 Haydenville Mining & Mfg.  
 Co. (Chimney) .....A

**OHIO—Logan**  
 Hocking Clay Mfg. Co.  
 (Chimney) .....B

**OHIO—Massillon**  
 Hess, Snyder & Co., (Chimney; Revolving Chimney) AA

**OHIO—Piqua**  
 Piqua Handle & Mfg. Co.  
 (Malleable D. Handles) A

**OHIO—Tiffin**  
 Ohio Lantern Co. (Fruit Jar; Molasses Can; Tin; Jar Tin; Salt; Pepper Box) .....B

**OHIO—Toledo**  
 Kroh Co., C. Z. (Carriage) E

**OHIO—Toronto**  
 Francy's Sons & Co., Jno.  
 (Chimney) .....AAAA

**OHIO—Ulrichsville**  
 Buckeye Fire Clay Co.  
 (Chimney) .....B

**OHIO—Zanesville**  
 Townsend & Co., Wm. C.  
 (Marble, Furniture) ..AA

**PA.—New Brighton**  
 Pittsburg Clay Mfg. Co.  
 (Chimney) .....AAAA

**PA.—Philadelphia**  
 Grundy & Co., Wm. H.  
 (Toy) .....B

**PA.—Philadelphia**  
 Hero Fruit Jar Co. (Fruit Jar) .....AA

**PA.—Philadelphia**  
 Keystone Silk Weaving Co.  
 (Silk, Shoe) .....D

**PA.—Philadelphia**  
 Mason Fruit Jar Co. (Fruit Jar) .....X

**PA.—Pittsburg**  
 Amer. Sewer Pipe Co., 2nd  
 Natl. Bank Bldg. (Chimney) .....AAAA

**R. I.—Pawtucket**  
 Luther & Co., C. A. (Bottle) C

**TENN.—Chattanooga**  
 Montague & Co. (Chimney) A

**VT.—Fair Haven**  
 Fair Hven Marble & Marbleized Slate Co. (Marble, Furniture) .....B

**WASH.—Little Falls**  
 Little Falls Fire Clay Co.  
 (Chimney) .....B

**W. VA.—Wheeling**  
 Wheeling Hinge Co.  
 (Ointment Pot) .....AA

**W. VA.—Wheeling**  
 Wheeling Metal Co. (Jar, Tin) .....D

**W. VA.—Wheeling**  
 Wheeling Stamping Co.  
 (Fruit Jar) .....A

**TORCHES**  
**CONN.—Bridgeport**  
 Bridgeport Brass Co. (Gasoline etc.; Gasoline Blow; Oil) .....AA

**CONN.—New Haven**  
 Henn & Co., A. S. (Gas Lighting) .....F

**ILL.—Chicago**  
 Acorn Brass Wks., 193 Fulton (Gasoline Blow) ..B

**ILL.—Chicago**  
 Glogau Mfg. Co. (Alcohol) C

**TORCHES (Con.)**

Holland, Wm., 54 So. Clinton (Alcohol; Gasoline Blow) .....E  
 Turner Brass Wks., 69 N. Franklin (Alcohol; Hand Gasoline etc.; Gasoline Blow; Oil) .....D  
 White Mfg. Co., 192 Michigan (Alcohol; Wall Gasoline, etc.; Brazing; Gasoline Blow; Oil) .....D  
 Wilson & Co., F. Cortex, 239 Lake (Factory Acetylene) B

**IND.—Kendallville**

Kaker & Sons Co., J. R. (Gasoline) .....C

**MD.—Baltimore**

Hull Mfg. Co., J. S., 125 E. Falls (Gasoline Blow) ..D  
 i.—Detroit

Clayton & Lambert Mfg. Co. (Alcohol; Factory; Mine; Gasoline, etc.; Gasoline Blow) .....B

Globe Brass Wks., 13 Maccomb (Gasoline Blow)...F  
 Union Heater Supply Co. (Gasoline Blow) .....G

**MICH.—Northville**

Phillips & Harmon (Gasoline, etc.) .....F

**MO.—St. Louis**

Amer. Stove Co. (Gasoline Blow) .....AAAA

**N. J.—Newark**

Bernz, Otto, So. 13th cor. So. Orange Av. (Gasoline, etc.; Gasoline Blow)....B

Osborne & Co., C. S. (Alcohol) .....B

**N. Y.—Brooklyn**

Deverall Perfection Mfg. Co., 36 Bridge (Factory; Mine; Shop; Engine) ..D  
 Vogel & Bros., Wm. (Oil) AA

**N. Y.—Buffalo**

Shepard & Co., Sidney (Campaign) .....AAAA

**New York City**

Bogert, A. L., 123 Liberty (Electric; Electric Gas Lighting) .....F

Electric Contract Co., 202 Centre (Portable Electric for Plumbers).....D

Gleason Mfg. Co., E. P., 20 W. Houston (Gasoline Blow) .....A

Houchin Co., Thos. W. (Gas Lighting) .....D

Hydro-Carbon Burner Co., 197 Fulton (Gasoline, etc.; Gasoline Blow) .....X

Knapp Mfg. Co., 22 Frankfort (Alcohol; Gasoline Blow) .....E

Mitchell-Vance Co. (Alcohol; Taper) .....AA

Munsell & Co., Eugene (Gas Lighting) .....B

Stoutenborough, X. (Campaign; Oil; Portable) ...D

Wellington Mfg. Co., 470 Cherry (Alcohol; Gasoline Blow; Oil; Portable) ...D

**N. Y.—Troy**

Troy Stamping Wks. (Tin) AAAA

**OHIO—Akron**

Akron Mfg. Co. (Gasoline, etc.) .....C

**OHIO—Canton**

Berger Mfg. Co. (Brazing; Gasoline; Oil) .....AA

Best Street Light Co. (Gasoline, etc.; Gasoline Blow; Brazing) .....B

Sun Vapor Street Light Co. (Gasoline Blow) .....A

**OHIO—Cincinnati**

Macleod & Co., Walter, 463 E. Front (Factory Oil or Gasoline; Gasoline Blow) A

**OHIO—Cleveland**

Dangler Stove & Mfg. Co., (Amer. Stove Co.) 365 Perkins Av. (Gasoline; Oil) .....AAAA

Hull Co., M. L., 24 Bway. (Gasoline Blow; Electric;

**TORCHES (Con.)**

Gas Lighting; Wall) ...H  
 Reserve Foundry & Mfg. Co., 1302 Euclid Av. (Gasoline Blow) .....X  
 Schneider & Trenkamp Co. (Amer. Stove Co., St. Louis, Mo.) (Gasoline, etc.; Gasoline Blow; Oil) AAAA

Standard Lighting Co. (Amer. Stove Co., St. Louis, Mo.) (Gasoline, etc.; Oil) .....AAAA

**OHIO—Dayton**

Dayton Malleable Iron Co. (Shop; Engine, made entirely of Malleable Iron) AA

**OHIO—Toledo**

National Cement & Rubber Mfg. Co. (Gasoline) ....C

**PA.—Allegheny**

Sands Mfg. Co., Market & Bayard (Steel Braised Shop; Engine) .....H

Wall Mfg. Co., P. (Braised Steel Factory; Mine) ..G

**PA.—Erie**

Hollands Mfg. Co. (Gasoline; Oil) .....C

**PA.—Philadelphia**

Boekel & Co., Wm., 518 Vine (Gasoline Blow) ..A

Gefrörer & Son, C., 248 N. 8th (Gasoline Blow) ...F

Paxson Co., J. W., 1021 N. Delaware Av. (Foundry) AA

Roberts Electric Supply Co., H. C., 831 Arch (Gasoline Blow) .....E

Wiler, Wm. (Alcohol) ....D

**PA.—Pittsburg**

Gem Mfg. Co. (Factory; Mine; Steel Shop; Engine; Gasoline; Oil) .....D

Kirk & Son, Arthur (Iron) X

**TORPEDOES**

CONN.—Wallingford  
 Backes Sons, Michael (Toy) D

DEL.—Wilmington  
 Hercules Torpedo Co. (Oil Well; Navel) .....B

**ILL.—Peoria**

Acme Railway Signal & Mfg. Co. (Railway Signal) .....E

**MASS.—Weymouth**

Hunt & Sons, Edmund S. (Toy) .....C

**N. Y.—Brooklyn**

Bliss & Co., E. W. (Navel) AAAA

**New York City**

Consolidated Fireworks Co. (Track) .....A

Detwiller & Street Fireworks Mfg. Co. (Track) A

**OHIO—Berea**

Crescent Appliance Co. (Railway Signal) .....X

**OHIO—Bucyrus**

Columbia Fire Cracker Co. (Railway Signal) .....D

**OHIO—Fostoria**

Western Railway Signal Co. (Railway Signal) .....B

Wood Mfg. Co. (Railway Signal) .....G

**PA.—Allegheny**

Granite Railway Signal Co. (Railway Signal) .....B

**PA.—Philadelphia**

Jackson's Sons, Samuel, 1129 S. 15th (Railway Signal) C

**TORTOISE****SHELL GOODS****MASS.—Attleboro**

Allen, Smith & Thurston Co. X

**N. J.—Newark**

Beppart, Griscom & Osborn B

Krementsz & Co. ....AAA  
 Newark Tortoise Shell Novelty Co. ....D

## TORTOISE SHELL

New York City  
Day, Clark & Co., 21 Maiden Lane .....B  
Dietsch Bros., 14 E. 19th AA  
Kapp Sons Ivory Co., A.  
Joseph, 255 4th Av.....F  
Krements & Co., 170 B'way AAA  
Rice & Hochster, 485 B'way A  
Taylor, Thos. J., 404 B'way D  
Trenkmann, A., 403 Broome AAA  
Wagner Mfg. Co., 41 Union Sq. ....B

## TOW

See Flax; Hemp

## TOWELS

GA.—Columbia  
Muscogee Mfg. Co. (Cotton) A  
GA.—Griffin  
Kincaid Mfg. Co. (Cotton) AA  
GA.—La Fayette  
Union Cotton Mills (Cotton) A  
MAINE.—Lewiston  
Avon Mfg. Co. ....B  
MD.—Rochester  
Thistle Mills Co. (Cotton).A  
MD.—Millington  
Unicorn Mills (Woolen)...A  
MASS.—Great Barrington  
Riverdale Mills (Cotton)..O  
MASS.—Lowell  
Lowell Textile Co. (Linen) C  
MASS.—Millbury  
Holbrook Mfg. Co. (Crash) C  
MASS.—Webster  
Stevens Linen Wks. (Linen Crash) .....AAA  
MASS.—Worcester  
Wachusett Mills (Bath)..C  
N. H.—Meredith  
Atlas Linen Co. (Linen)...C  
N. J.—Mt. Holly  
Standard Hicks Hammock Co. ....C  
N. J.—Sussex  
Sussex Mills (Turkish) ..D  
N. Y.—Jamestown  
Chautauqua Towel Mills (Linen Union & Turkish) C  
Falconer Towel Co. ....B  
New York City  
Boland Commission Co. (Com.) .....F  
Burgess & Co., W. H. (Commission) .....AAA  
Converse, Stanton & Co. (Com.) .....AAA  
Gardner & Co., 268 Church (Cotton) .....X  
Greer & Hutton (Manufacturers' Agents) .....D  
Warner, M. J. (Turkish Com.) .....D  
Whiteside, Jos. S. (Turkish Com.) .....B  
Whitman & Phelps (Com.) AAA  
N. C.—Charlotte  
Crowley Mfg. Co. (Honeycomb; Crash) .....C  
PA.—Chester  
Chester Mfg. Co. (Turkish) A  
PA.—Philadelphia  
Boyleston Turkish Towel Co. (Turkish; Plain) .....C  
Schadewald & Sons, Hy...B  
Star & Crescent Mills Co. (Turkish) .....A  
Thorpe, Richard .....B  
S. C.—Greenville  
Huguenot Mills (Cotton)..B

## TOWERS

GA.—Augusta  
Lombard Iron Works & Supply Co. (Water) .....A

## TOWERS (Con.)

ILL.—Batavia  
Challenge Windmill & Feedmill Co. (Tank; Steel Tank; Windmill) ...AAA  
United States Wind Engine & Pump Co. (Bell) ...AA  
ILL.—Chicago  
Aermotor Co., 12th & Campbell Av. (Bell) .....AAA  
ILL.—Freeport  
Stover Mfg. Co. (Tank).AA  
ILL.—Galesburg  
May Bros. (Windmill) ....B  
ILL.—Moline  
Moline Pump Co. (Windmill) .....A  
IND.—Kendallville  
Flint & Walling Mfg. Co. (Steel; Tank) .....AA  
KY.—Louisville  
Caldwell Co., W. E. (Tire Bell; Tank) .....A  
MICH.—Kalamazoo  
Phelps & Bigelow Windmill Co. (Steel) .....B  
Williams Mfg. Co. (Steel).B  
MINN.—Minneapolis  
Gillette-Hersog Mfg. Co. (Water) .....X  
MO.—St. Louis  
Ruemmel-Dawley Mfg. Co., 3900 Choteau Av. (Water Cooling) .....B  
New York City  
Alberger Condenser Co., 95 Liberty (Water Cooling) X  
Hayward & Co., S. F. (Water) .....AA  
Wheeler Condenser & Engineering Co., 120 Liberty (Water Cooling) .....A  
OHIO—Cleveland  
Forest City Steel & Iron Co. (Tank) .....A  
Garry Iron & Steel Co. (Tank) .....A  
OHIO—Salem  
Denning Co. (Spraying)..A  
PA.—Pittsburg  
Riter-Conley Mfg. Co. (Hoist; Tank) .....AAA  
Scaife & Sons, Wm. B. (Tank) .....AAA  
PA.—South Bethlehem  
Bethlehem Steel Co. (Coning) .....AAAA  
PA.—Warren  
Struthers, Wells & Co. (Water; Tank) .....AA  
WIS.—Evansville  
Baker Mfg. Co. (Steel; Windmill) .....A  
WIS.—Racine  
Freeman & Sons Mfg. Co., S. (Windmill) .....A

## TOXINS

MICH.—Detroit  
Parke, Davis & Co. (Biological) .....AAAA

## TOYS

See also Novelties

CAL.—San Francisco  
California Notion & Toy Co. A  
CONN.—Bridgeport  
Ives Mfg. Corp. (Iron; Mechanical; Steam; Bridges; Signals; Stations; Tunnels; Switches; Engines; Cars; Locomotives) ....D  
CONN.—Cromwell  
Stevens Co., J. & E. (Iron Beds; Banks) .....AAAA  
CONN.—Derby  
Gilbert & Sons, A. (Wood) B  
CONN.—Easthampton  
Bevin Bros. Mfg. Co. (Bell) B  
Gong Bell Mfg. Co. (Bell) B  
Hill Brass Co., N. N. (Bells) A  
CONN.—Middletown  
Kirby Mfg. Co. (Bell)....B



# TOYS (Con.)

CONN.—New Haven  
Elm City Mfg. Co. ....C  
New Haven Toy & Game Co. D  
CONN.—Stamford  
Murphy Mfg. Co. (all kinds) E  
CONN.—Waterbury  
Novelty Mfg. Co. (Bell)...A  
ILL.—Chicago  
Hofner & Co., W. F., 19 S. Clinton .....E  
Nicol & Co. (Banks) .....D  
ILL.—Freeport  
Arcade Mfg. Co. (Beds; Coffee Mills; Hatchets; Jack-Stones; Lawn Mowers; Pumps; Sad Irons; Savings Banks; Scales; Iron; Steel; Stoves; Tools)...A  
IND.—Indianapolis  
Kindergarten Toy Co. ....F  
IND.—South Bend  
South Bend Toy Mfg. Co. (Horses) .....A  
IOWA—Ft. Madison  
Iowa Farming Tool Co. (Rakes) .....A  
MD.—Baltimore  
Carriage & Toy Co. (Furniture) .....D  
MASS.—Greenfield  
Wells Bros. & Co. (All Kinds) .....A  
MASS.—Leominster  
Union Toy Co. ....F  
Whitney Reed Chair Co. (All Kinds) .....AAAA  
MASS.—New Bedford  
Weeden Mfg. Co. (Banks; Steam) .....D  
MASS.—North Cambridge  
Hews & Co., A. H. (Banks) A  
MASS.—North Easton  
New England Specialty Co. (Chisels; Plane Irons)..F  
MASS.—Springfield  
Bradley, Milton Co. ....A  
MASS.—Westfield  
Hampden Toy Co. ....D  
MASS.—Winchendon  
Converse & Co., M. E. ....A  
MICH.—Holland  
Michigan Toy & Novelty Co. (Wood) .....E  
MICH.—Jackson  
Withington & Cooley Mfg. Co. (Iron) .....AA  
MO.—St. Louis  
National Candy Co. (Christmas Sugar) .....AAAA  
Pleuger & Henger Mfg. Co. (Sad Irons) .....A  
N. H.—Manchester  
Osgood Toy Co., M. F. (Dancing) .....F  
N. H.—Nashua  
Nashua Novelty Works...B  
N. H.—West Ridge  
Butler, Otis P. (Wood)...F  
N. J.—Dumont  
Scheler, George (Horses)..F  
N. Y.—Brooklyn  
Schulze Sons, Thos., 370 Cleveland (Tin) .....X  
Teichmann, Richard, 85 Water (Tin; Bell) .....D  
N. Y.—Castile  
Ellesac Mfg. Co. (Wood)...D  
N. Y.—Dunkirk  
Armstrong & Fleischman (Chinaware) .....D  
N. Y.—Hogansburg  
Silkworth & Langtry Co. (Baskets) .....B  
New York City  
American Doll & Toy Mfg. Co., 55 Great Jones ....X  
Baker & Bigler, 79 Bleecker (Mfrs. Agts.) .....E  
Borgfeldt & Co., Geo., 48 W. 4th (Rubber) ..AAAA  
Estes & Sons, E. B., 45 John (Wooden) .....AA  
Horsman, E. I., 354 B'way C  
Ingersoll & Bro., Robert H., 51 Malden Lane (All Kinds) .....A  
Judd & Co., H. L. (Bell; Banks) .....AA

# TOYS (Con.)

Knapp Electric & Novelty Co., 511 W. 51st (Electric) .....D  
Mace & Co., L. H., 111 E. Houston .....B  
National Novelty Corp., 826 B'way .....AAAA  
N. Y. Rubber Co., 84 Beade (Rubber) .....AA  
Pidget Novelty Co., 265 B'way .....D  
Schlesinger & Co., Leo., 372 South (Steam; Tin) ....A  
Travers, G. W., 146 Chambers (Mechanical) ....B  
N. Y.—Sidney  
Sidney Novelty Co. (Horses) B  
OHIO—Akron  
Goodrich Co., B. F. (Rubber) .....AAAA  
OHIO—Cleveland  
Tanner Mfg. Co. (Cap Pistols; Stoves) .....A  
Globe Mach. & Stamping Co. (Stoves) .....E  
OHIO—Dayton  
Clark & Co., D. P. ....C  
Dayton Pattern & Model Works (W. S. Hawker, Prop.) (Cannons) .....F  
OHIO—Ravenna  
Williams, A. C. (Wheelbarrows; Coffee Mills; Coal Hods; Hatchets; Locomotives; Sad Irons; Iron Safes; Savings Banks; Iron; Steel; Stoves; Tools; Trucks) .....A  
OHIO—Toledo  
American Metal Wheel & Toy Co. ....B  
Harris Toy Co. (All Kinds) B  
Toledo Carriage Woodwork Co. (Wooden) .....A  
PA.—Columbia  
Columbia Grey Iron Co. (Engines; Carts; Carriages; Wagons; Cars; Hammers; Hatchets; Jack-Stones; Rakes; Sad Irons; Savings Banks; Shovels; Spades; Iron; Steel; Tools; Stoves) .....C  
PA.—Freemansburg  
Jones & Bixler Mfg. Co. (Iron) .....D  
Shriner, Son & Co., W. M. (Animals; Iron) .....B  
PA.—Lancaster  
Hubley Mfg. Co. (Iron; Mechanical; Carts; Wagons; Carriages; Coffee Mills; Engines; Cars; Fire Apparatus; Steel; Savings Banks; Locomotives) ..A  
PA.—Monroeton  
Booth & Rockwell (Penny) F  
PA.—Mt. Joy  
Rollman Mfg. Co. (Meat Choppers; Iron; Steel)..G  
PA.—Mt. Pleasant  
Mt. Pleasant Tool Co. (Shovels; Spades) .....B  
PA.—Philadelphia  
Hammond & Son, J. T., 4534 Hedge .....B  
PA.—Reading  
Reading Hdw. Co. (Savings Banks) .....AAAA  
PA.—Wrightsville  
Wrightsville Hardware Co. (Iron; Hammers; Jack-Stones; Hatchets; Pin-cers; Sad Irons; Shovels; Spades; Steel; Tools)...B  
VT.—Putney  
Stowel Mfg. Co. (Wooden Furniture) .....E  
VA.—Richmond  
Richmond Cedar Works (Tubs) .....AAAA  
WIS.—Milwaukee  
Instructive Toy Co. ....D  
Meinecke & Son, A. (Furniture; Wooden) .....AA  
WIS.—Sheboygan  
Garton Toy Co. (Sleds; Wagons, etc.) .....B

## TRAGACANTH

See Gum

## TRACKERS

**MASS.—Reading**  
Pierce Organ Pipe Co., Sam  
(Organ) .....C

## TRACKS

See also Rails

**ILL.—Aurora**  
Wilcox Mfg. Co. (Overhead  
Carrying) .....B  
**ILL.—Chicago**  
Atlas Railway Supply Co.  
(Trolley) .....D  
Palge Iron Works (Trolley)  
.....C  
**ILL.—Ottawa**  
Porter Co., J. E. (Overhead  
Carrying) .....A  
**IND.—Goshen**  
Goshen Mfg. Co. (Hay Car-  
rier) .....B  
**IOWA—Fairfield**  
Louden Machinery Co. (Over-  
head Carrying) .....D  
**MASS.—Boston**  
Harrington, Robinson & Co.  
(Trolley) .....D  
**MASS.—Cambridge**  
Barbour, Stockwell Co.  
(Trolley) .....A  
**MASS.—Holyoke**  
Coburn Trolley Track Mfg.  
Co. (Trolley) .....B  
**MICH.—Detroit**  
Northern Engineering Co.  
(Overhead Carrying) ...A  
**MICH.—St. Johns**  
Mason & Co., F. C. (Hay  
Carrier) .....C  
**MO.—St. Louis**  
Brecht Butchers' Supply Co.,  
G. V., 1201 Cass Av.  
(Overhead) .....A  
Leschen & Sons Rope Co.  
(Overhead Carrying) ...A  
**N. J.—Hoboken**  
New York Switch & Cross-  
ing Co. (Trolley) .....A  
**New York City**  
Carey, Geo. H. (Trolley) ..D  
Koppe, Arthur, 66 Broad  
(Industrial) .....A  
McCabe Hanger Mfg. Co.,  
425 W. 26th (Overhead  
Carrying) .....C  
New Jersey Fdy. & Mach.  
Co., 9 Murray (Industrial;  
Overhead Carrying; Port-  
able) .....D  
Niles-Bement-Pond Co., 111  
B'way (Overhead Carry-  
ing) .....A  
Steel Rail Supply Co. (Trol-  
ley) .....A  
Weber Railway Joint Mfg.  
Co. (Trolley) .....B  
**N. Y.—West New Brighton**  
Hunt Co., C. W. (Indus-  
trial) .....A  
**OHIO—Ashland**  
Myers & Bro., F. E. (Over-  
head Carrying) .....A  
**OHIO—Cambridge**  
Cambridge Rolling Mill Co.  
(Bessemer Steel Hay Car-  
rier) .....A  
**OHIO—Canton**  
Ney Mfg. Co. (Overhead  
Carrying) .....B  
**OHIO—Cincinnati**  
Weir Frog Co. (Trolley) ..A  
**OHIO—Cleveland**  
Atlas Car & Mfg. Co. (Over-  
head Carrying) .....A  
**OHIO—Columbus**  
Case Mfg. Co. (Overhead  
Carrying) .....A  
Cleveland Frog & Crossing  
Co. (Trolley) .....B  
**PA.—Philadelphia**  
Harrington & Son Co., E.  
(Overhead Carrying) ..A  
Penn Steel Co. (Trolley)  
.....A  
Wharton & Co., Wm. Jr.  
(Trolley) .....A

## TRACKS (Con.)

**PA.—Reading**  
Speidel, J. G. (Overhead  
Carrying) .....D  
**PA.—South Bethlehem**  
Bethlehem Fdy. & Machine  
Co. (Industrial) .....C

## TRAINERS

**ILL.—Chicago**  
Barbee Wire & Iron Works  
(Vine; Wire) .....B  
**OHIO—Ashland**  
Myers & Bro., F. E. (Home;  
Bicycle) .....A  
**B. I.—Providence**  
Narragansett Machine Co.  
(Bicycle) .....A

## TRAMMELS

**CONN.—New Britain**  
Stanley Rule & Level Co.  
.....A  
**MASS.—Athol**  
Athol Machine Co. ....A  
Starrett Co., L. S. ....A  
**MASS.—Fitchburg**  
Sawyer Tool Mfg. Co. ....C  
**New York City**  
Keuffel & Esser Co., 127  
Fulton .....A  
Tower & Lyon Co., 95 Cham-  
bers .....B  
**PA.—Philadelphia**  
Diston & Sons, Henry. ....A  
Paxson Co., J. W., 45 N.  
Del. Av. ....A

## TRAMWAYS

**CAL.—San Francisco**  
Vulcan Iron Works (Wire  
Rope) .....A  
**COLO.—Denver**  
Colorado Iron Works Co.  
(Wire Rope) .....A  
Dillen Iron Works Co.  
(Aerial; Gravity) .....F  
**ILL.—Chicago**  
Allis-Chalmers Co. (Wire  
Rope) .....A  
Macomber & Whyte Rope  
Co. (Wire Rope) .....A  
Webster Mfg. Co. (Wire  
Rope) .....A  
**ILL.—Harvey**  
Whiting Foundry Equipment  
Co. (Overhead) .....A  
**MASS.—Holyoke**  
Coburn Trolley Track Mfg.  
Co. (Overhead) .....B  
**MO.—St. Louis**  
Broderick & Bascom Rope  
Co. (Wire Rope) .....A  
Leschen & Sons Rope Co.,  
A. (Wire Rope) .....A  
**N. J.—Newark**  
Mundy, J. F., 22 Prospect  
(Wire Rope) .....A  
**New York City**  
Lidgerwood Mfg. Co., 96  
Liberty (Wire Rope) .AAA  
McCoy Co., Jos. F., 26 War-  
ren (Overhead) .....B  
Niles-Bement-Pond Co., 111  
B'way (Overhead) .AAAA  
Trenton Iron Co. (Wire  
Rope) .....A  
**OHIO—Columbus**  
Jeffrey Mfg. Co. (Overhead)  
.....A  
**OREGON—Portland**  
Hammond Mfg. Co. (Wire  
Rope) .....X  
**PA.—Bangor**  
Flory Mfg. Co., S. (Wire  
Rope) .....A  
**PA.—Philadelphia**  
Harrington, Son & Co.,  
Edwin (Inc.) (Overhead)  
.....A  
**PA.—Pittsburg**  
Westinghouse Electric &  
Mfg. Co. (Electric) .AAAA  
**PA.—Reading**  
Reading Crane & Hoist  
Works (Overhead) .....C

## TRANSFERS

**LA.—Leocompte**

**TRANSFERS (Con.)**  
 Wiley, E. W. (Cane) ....F

## TRANSFORMERS

**GA.—Atlanta**  
 Wotten Electric & Mfg. Co.  
 (Surgical Alternating Current) .....B  
**ILL.—Aurora**  
 Vindex Co. ....X  
**ILL.—Chicago**  
 Adams & Westlake Mfg. Co.  
 Ontario & N. Franklin  
 AAAAA  
 Central Electric Co., 286 5th  
 Av. ....A  
 Electric Appliance Co., 92  
 W. Van Buren .....B  
 Meyercord Co., 138 Wash-  
 ington .....A  
 Western Electric Co., 259  
 S. Clinton .....AAAA  
**ILL.—Peoria**  
 Diamond Meter Co. ....C  
 Royal Electric Co. ....D  
**IND.—Elkhart**  
 Kuhlman Electric Co. ....E  
 Lakon Co. (High Potential  
 Testing for Long Dis-  
 tance Transmission; Elec-  
 tric) .....D  
**IND.—Fort Wayne**  
 Fort Wayne Electric Works  
 (Electric) .....AA  
**MASS.—Boston**  
 Brown & McLain, 143 Fed-  
 eral .....X  
**MASS.—Brookline**  
 Holtzer-Cabot Electric Co.  
 (Electric) .....A  
**MASS.—Pittsfield**  
 Stanley Electric Mfg. Co.  
 AA

**MO.—St. Louis**  
 Emerson Electric Mfg. Co.  
 (Electric) .....A  
 Molony Electric Co., 426 N.  
 2d .....C  
 St. Louis Electrical Supply  
 Co., 1118 Pine .....C  
 Wagner Electric Mfg. Co.,  
 2015 Locust (Electric) ..A  
**New York City**  
 Crocker-Wheeler Co., 39  
 Cortlandt (Rotary) ..AAA  
 La Roche Co., F. A., 658  
 Hudson .....E  
**N. Y.—Schenectady**  
 General Electric Co. (Elec-  
 tric) .....AAAA  
**OHIO—Cleveland**  
 Van Dorn-Elliott Electric  
 Co. ....F  
**OHIO—East Norwood**  
 Bullock Electric Mfg. Co.  
 AAAAA  
**OHIO—Warren**  
 New York & Ohio Co. (Elec-  
 tric) .....A  
 Peerless Electric Mfg. Co.  
 B  
 Warren Electric & Specialty  
 Co. ....A  
**PA.—Pittsburg**  
 Pittsburg Transformer Co.,  
 Barker Pl., n. Penn. Av.  
 C  
 Westinghouse Electric &  
 Mfg. Co. (Electric) .AAAA  
**WIS.—Milwaukee**  
 Christensen Engineering Co.  
 A

## TRANSITS

Ainsworth, Wm. (Pocket;  
 Mine) .....B  
**ILL.—Chicago**  
 Dietzgen Co., Eugene, 181  
 Monroe (Engineers) ....A  
**MASS.—Athol**  
 Starrett Co., L. S. ....A  
**MASS.—Boston**  
 Berger & Sons, C. L., 37  
 Williams (Engineers; Sur-  
 veyors; Mining) .....A  
**New York City**  
 Keuffel & Esser Co., 127  
 Fulton .....AA

## TRANSMITTERS

**ILL.—Chicago**  
 American Electric Tele-  
 phone Co. (& Receivers).B  
 Kaestner & Co., 241 S. Jef-  
 ferson (Electric) .....A  
 Kellogg Switchboard Supply  
 Co., 231 S. Green (Tele-  
 phone) .....AA  
 Victor Telephone Mfg. Co.  
 (Long Distance) .....B  
 Western Telephone Con. Co.  
 (& Receivers) .....B  
**MD.—Baltimore**  
 Maryland Telephone Mfg.  
 Co. (& Receivers) .....B  
**MICH.—Caro**  
 Moore Telephone Mfg. Co.  
 (Telephone) .....D  
**N. Y.—Rochester**  
 Bradley & Co., E. C. (&  
 Receivers) .....H  
**OHIO—Cleveland**  
 Williams Electric Co. (&  
 Receivers) .....X  
**PA.—Reading**  
 Reading Electric Mfg. Co.  
 (& Receivers) .....B  
**WIS.—Milwaukee**  
 Andrae & Sons Co., Julius  
 (Telephone) .....B

## TRANSPARENCIES

**OHIO—Coshooton**  
 Meek & Beach Co. (Win-  
 dow) .....AA

## TRAPS

See also Carriages  
**CAL.—San Francisco**  
 Selby Smelting & Lead Co.,  
 416 Montgomery (Lead;  
 Bends; Ferrules; Sewer  
 Gas) .....AAA  
**CONN.—Bridgeport**  
 Hotchkiss, Edward S. (Rat;  
 Mouse) .....A  
 Knapp & Cowles Mfg. Co.  
 (Rat; Mouse) .....C  
 Smith & Egge Mfg. Co.  
 (Rat; Mouse) .....A  
**CONN.—Georgetown**  
 Gilbert & Bennett Mfg. Co.  
 (Rat; Mouse) .....AAA  
**CONN.—Hartford**  
 Pratt & Cady Mfg. Co.  
 (Steam) .....AAA  
**CONN.—Meriden**  
 Parker Bros. (Pigeon) .AAA  
**CONN.—New Haven**  
 Foskett & Bishop Co.  
 (Steam) .....B  
**CONN.—Southington**  
 Peck, Stow & Wilcox Co.  
 (Rat; Mouse; Game;  
 Steel) .....AAAA  
**CONN.—Unionville**  
 Ripley Mfg. Co. (Mouse;  
 Rat) .....X  
**CONN.—Waterbury**  
 Blake, Lamb & Co. (Steel)  
 X  
**ILL.—Abingdon**  
 Animal Trap Co. (Mouse;  
 Rat; Mole; Game) ....B  
**ILL.—Chicago**  
 Barbee Wire & Iron Works  
 (Cast Iron Bell; Mouse;  
 Rat; Sewer Gas) ....AA  
 Bartlett & Son, M. J., 196  
 S. Clark (Rat; Mouse) ..F  
 Blatchford & Co., E. W.,  
 (Inc.), 70 N. Clinton  
 (Lead Bends; Ferrules;  
 Sewer Gas) .....AAAA  
 Crane & Co. (Steam) .AAAA  
 Davis Regulator Co., G. M.  
 (Steam; Balance Valve;  
 Steam) .....C  
 Davis Co., Jno., 22d & Hal-  
 sted (Steam) .....AA  
 Eureka Iron Co., 16 N. Can-  
 nal (Steam) .....G  
 Illinois Malleable Iron Co.,  
 30 W. Monroe (Basin);

**TRAPS (Con.)**

Steam; Sewer; Stench) AAAAA  
 Klipfel & Thomas Co., 74 W. Lake (Steam) .....X  
 Lausten Lead Wks, 78 Pratt (Bi-Metallic Plated) AAAAA  
 McCrea & Co., Jas. (Inc.), 67 Washn. (Steam)....E  
 Marsh & Co., Jas. P. (Automatic Steam) .....B  
 Monash-Younger Co., 203 S. Canal (Steam) .....B  
 Pearce Construction Co., 269 Dearborn (Steam) .....F  
 Raymond Lead Co., 51 W. Lake (& Lead Bends; Ferrules) .....AA  
 Western Valve Co., 43 W. Randolph (Steam) .....B  
 Wolff Mfg. Co., L., 117 W. Lake (Sewer Gas).....AAAA  
**ILL.—Dixon**  
 Reynolds Wire Co. (Fly).B  
**ILL.—Edwardsville**  
 Edwardsville Brass Co. (Brass Bell) .....B  
**ILL.—Kewanee**  
 Western Tube Co. (Steam) AAA  
**ILL.—St. Charles**  
 Glenn Mfg. Co. (Steam) ..D  
**IOWA—Marshalltown**  
 Dunham & Co., C. A. (Drain Valve; Steam) .....E  
**IOWA—Muscatine**  
 Barry Mfg. Co. (& Bends; Ferrules; Lead; Sewer Gas) .....A  
**MD.—Baltimore**  
 Robertson Mfg. Co., James, 30 Hanover (& Bends; Ferrules; Lead; Sewer Gas) .....A  
**MASS.—Boston**  
 Boston Brass Co., 36 Oliver (Sewer Gas) .....O  
 Boston Steam Specialty Co., 168 Congress (Steam)....D  
 Bourdon Co., 7 Pearl (Steam) .....X  
 Brainerd Steam Trap Co., Chamber of Com. Bldg. (Steam) .....H  
 Burditt & Williams Co. (Rat; Mouse) .....B  
 Dececo Co., 146 High (Sewer Gas) .....D  
 D'Este Co., Julian, 24 Canal (Steam; Balance Valve Steam) .....B  
 Mason Regulator Company (Steam) .....A  
 Sanitas Mfg. Co., 48 Union (Sewer Gas) .....AA  
 Sturtevant Co., B. F. (Steam) .....AAAA  
 Walworth Mfg. Co., 132 Federal (Steam).....AAAA  
 Watts Regulator Company (Steam) .....X  
**MASS.—Peabody**  
 Helios Mfg. Co. (Steam).D  
**MASS.—Salem**  
 Locke Regulator Company (Steam) .....A  
**MASS.—Worcester**  
 National Mfg. Co. (Fly; Rat; Mouse) .....A  
 Parker Wire Goods Co. (Fly; Rat; Mouse) .....D  
 Wire Goods Co. (Fly; Rat; Mouse) .....A  
**MICH.—Detroit**  
 American Blower Company (Steam) .....AA  
 Decoy Fly Paper Co. (Ltd.) (Fly; Roach) .....B  
 Detroit Sanitary Supply Co., 27 Jefferson (& Bends; Ferrules; Lead Sewer Gas) D  
 Ideal Mfg. Co., 546 Franklin (Sewer Gas) .....A  
 Northwestern Fdy. & Supply Co. (Cast Iron Sewer Gas) B  
 Park & McKay Co., 55 Bagley (Sewer Gas) .....C  
 Wright Mfg. Co., 99 W. Woodbridge (Low Pres-

**TRAPS (Con.)**

sure Steam) .....B  
**MICH.—Grand Rapids**  
 Sproul & McGurkin, 37 S. Division (Sewer Gas)...D  
**MINN.—Minneapolis**  
 Minnesota Beekeepers Supply Mfg. Co. (Queen; Drone) .....G  
**MO.—St. Louis**  
 Collier Shot Tower Works, 319 N. 4th (Bi-Metallic Plated) .....AAAA  
 Kupferle Co., John (Stench) AA  
 Ludlow-Saylor Wire Co. (Rat; Mouse) .....AA  
 Pleuger & Henger Mfg. Co., 11th & Herbert (Steam; Stench) .....AA  
**N. H.—Concord**  
 Concord Fdy. & Mach. Co. (Sewer) .....B  
**N. H.—Exeter**  
 Exeter Machine Works (Steam) .....B  
**N. J.—Hasbrouck Heights**  
 Olmsted, L. H. (Mole)....B  
**N. J.—Jersey City**  
 Griffing Iron Co., 449 Communipaw Av. (Steam).AA  
**N. Y.—Albany**  
 Albany Brass & Iron Co. (Sewer Gas) .....D  
 Albany Steam Trap Co., 60 Church (Steam; Return Steam) .....D  
**N. Y.—Brooklyn**  
 Acton, Jno., 118 John (Steam) .....D  
 Brooklyn Metal Wks. (Inc.) cor. 4th Av. & Degraw (& Bends; Ferrules; Lead) D  
 Clarke, Robert, 98 Schermerhorn (Sewer Gas)...F  
 Ronalds & Johnson Co., 51 Boerum Pl. (Sewer Gas; Bends; Ferrules; Lead) AA  
 Schaffer & Budenberg Mfg. Co., 10 Division (Steam) D  
**N. Y.—Buffalo**  
 Buffalo Forge Co. (Steam) AAAAA  
 Buffalo Wire Works (Rat; Mouse) .....D  
 Shepard & Co., Sidney (Fly) AAAAA  
**N. Y.—Kenwood**  
 Oneida Community (Ltd.) (Bear; Game; Rat; Steel; Mouse) .....AAA  
**N. Y.—Lockport**  
 American District Steam Co. (Steam) .....AAA  
**New York City**  
 Aller, A., 47 Dey (Steam) D  
 Ashcroft Mfg. Co. (The), 85 Liberty (Steam) .....A  
 Bushnell Co., John S., 126 Liberty (Steam) .....E  
 Cabbie Excelsior Wire Mfg. Co., Wm. (Rat; Mouse).B  
 Chasse, R. (Mouse) .....X  
 Du Bois & Co., F. N., 247 9th Av. (& Bends; Ferrules; Lead; also Anti-Synphon Trap Vent; Sewer Gas) .....A  
 Ester Wire Works Co., 59 Fulton (Rat; Mouse)...D  
 Fairbanks Co., 186 Elm (Steam) .....AAAA  
 Ford Co., Thos. P., 81 Centre (Compound Steam)...D  
 Gould's Mfg. Co., 16 Murray (Sewer Gas) .....AAA  
 Haydenville Co. (Sewer Gas) A  
 Hussey & Son, Wm., 37 Dey (Steam) .....B  
 Jenkins Bros., 71 John (Steam) .....A  
 Kielev & Mueller, 7 W. 13th (Steam) .....B  
 Libby Mfg. Co., 75 Water (Steam) .....E  
 McNab & Harlin Mfg. Co., 36 John (Steam) .....AAA

**TRAPS (Con.)**

Meyer-Sniffen Co. (Ltd.)  
(Sewer Gas) .....A  
Mott Iron Works, J. L., 88  
Beekman (Sewer Gas) AA  
Nason Mfg. Co., 71 Beek-  
man (Steam) .....B  
National Lead Co., 100 Wil-  
liam (& Bends; Ferrules;  
Lead) .....AAAA  
Roberts & Bro., Geo. I.  
(Inc.), 471 4th Av.  
(Steam) .....A  
Rutzler Co., E. (Steam) ...A  
Sargent & Co., 151 Leonard  
(Game) .....AAAA  
Standard Steam Specialty  
Co., 542 W. B'way  
(Steam) .....D  
Thorpe, Platt & Co., 97 Ce-  
dar (Steam) .....F  
Victor Excelsior Brass Wks.,  
42 Mott (Sewer Gas) ...A  
**N. Y.—Niagara Falls**  
Oneida Community (Steel;  
Game) .....AAA  
**N. Y.—Oswego**  
Kitts Mfg. Co. (Steam) ...D  
**N. Y.—Rochester**  
Streeter & Co., N. R. (Rat;  
Mouse) .....A  
**N. Y.—Seneca Falls**  
Climax Specialty Co. (Sewer  
Gas) .....B  
Rumsey & Co., Ltd. (Inc.)  
(Sewer Gas) .....A  
**N. Y.—Syracuse**  
Direct Separator Company  
(Steam) .....C  
**N. Y.—Watervliet**  
King Mfg. Co. (Sewer Gas;  
Bends; Ferrules; Lead) D  
**N. Y.—Yonkers**  
Van Auker-Cleavac Com-  
pany (Steam) .....E  
**N. C.—Charlotte**  
Tompkins Co., D. A.  
(Steam) .....AA  
**OHIO—Ashtabula**  
Barber Mfg. Co. (Bell) ...C  
**OHIO—Cincinnati**  
Bromwell Brush & Wire  
Goods Co. (Fly) .....AA  
Lunkenheimer Co., Beekman  
& Waverly (Steam) ...AA  
Sportsman's Shot Works (&  
Bends; Ferrules; Drawn  
Lead) .....AAAA  
**OHIO—Cleveland**  
Anderson Co., V. D. (Steam)  
B  
Chamberlain Cartridge &  
Target Co. (Pigeon) ...A  
Cudell, F. E. (Sewer Gas)  
B  
Ohio Brass & Iron Mfg. Co.  
(Sewer Gas) .....B  
Reliance Gauge Column Co.,  
74 E. Prospect (Steam) D  
**OHIO—Columbus**  
Sun Mfg. Co. (Rat) .....A  
**OHIO—Greenfield**  
Waddell Woodenware Works  
(Rat; Mouse) .....E  
**OHIO—Hamilton**  
Meyers Mfg. Co., Fred J.  
(Fish; Fly; Rat; Mouse;  
Roach) .....B  
**OHIO—Mansfield**  
Barnes Mfg. Co. (Sewer  
Gas) .....A  
Humphreys Mfg. Co. (Sewer  
Gas) .....B  
**PA.—Erie**  
Advance Mfg. Co. (Sewer  
Gas) .....H  
Erie City Iron Works (Sew-  
er Gas) .....AAAA  
Lovell Mfg. Co. (Ltd.)  
(Rat; Mouse) .....AA  
**PA.—North East**  
Fernald Mfg. Co. (Mouse;  
Rat; Game) .....D  
**PA.—Philadelphia**  
Belfield & Co., H., 435 N.  
Broad (Steam) .....AA  
Bickel, Fred L., 1348 Palmer  
(Flo a t; Thermostatic  
Steam) .....D  
Darby & Sons, Edw., 233  
Arch (Rat; Mouse) ...A  
Enterprise Mfg. Co. of Pa

**TRAPS (Con.)**

(Mole) .....AAAA  
Eynon-Evans Mfg. Co., 1519  
Clearfield (Steam) ....A  
Glover Bros. (Jno. Glover)  
(Steam) .....B  
Haines Co., Wm. S., 136  
S. 4th (Steam) .....X  
Harrison Safety Boiler Wks.  
(Steam) .....A  
Houghton & Co., E. F., 240  
W. Somerset (Steam; also  
Railway Taps) .....AA  
Hydraulic Specialty Co., 427  
Walnut (Sewer Gas) ...D  
Lewis & Bros. Co., Jno. T.  
(Inc.), 231 S. Front (&  
Bends; Ferrules; Lead)  
AAAA  
Lonergan & Co., J. E.  
(Steam) .....AA  
McCambridge & Co. (Ltd.),  
527 Cherry (Sewer Gas) B  
Watson & McDaniel Co., 146  
N. 7th (Steam) .....C  
**PA.—Pittsburg**  
Bailey-Farrell Mfg. Co.  
(Sewer Gas) .....AA  
Bonar & Co., Jas. (Inc.),  
Carnegie Bldg. (Steam) B  
Kelly & Jones Co., 135 Wa-  
ter (Steam) .....AA  
Standard Mfg. Co. (Sewer  
Gas) .....AA  
Standard Sanitary Mfg. Co.  
(Sewer Gas) .....AAAA  
**PA.—South Bethlehem**  
Bethlehem Foundry & Mach.  
Co. (Sewer) .....C  
**R. I.—Providence**  
General Fire Extinguisher  
Co. (Steam) .....AAAA  
Providence Steam Trap Co.  
(Brass; Lead; Sewer Gas;  
Steam) .....D  
**WIS.—Milwaukee**  
Bayley & Sons Co., Wm.,  
732 Greenbush (Steam) ...X  
National Blower Wks. (Inc.)  
(Steam; Balance Valve)  
A  
Windsor Mfg. Co., 570 Clin-  
ton (& Bends; Ferrules;  
Lead) .....B

**TRAM**

See Silk Goods

**TRAVELERS**

**CONN.—North Windham**  
Hartson Co., L. M. (Ring)  
X  
**MASS.—New Bedford**  
Reliance Mfg. Co. (Ring) F  
Standard Ring Traveler Co.  
(Ring) .....B  
**MINN.—St. Cloud**  
St. Cloud Iron Wks. (Over-  
head) .....B  
**N. Y.—Brooklyn**  
De Haven Mfg. Co., 50 Co-  
lumbia Hghts. (Ring) ...A  
**New York City**  
Tiebout, W. & J., 118 Cham-  
bers (Boom; Deck) ....B  
**R. I.—Pawtucket**  
Jenckes Mfg. Co. (Ring) ...A  
**R. I.—Providence**  
Chase & Co., F. A. (Ring)  
B  
National Ring Traveler Co.,  
257 W. Exchange (Ring)  
AA  
Shaw Ring Traveler Co.,  
Victor (Ring) .....D

**TRAVERSERS**

**OHIO—Akron**  
Taplin, Rice & Co. ....B  
Webster Camp & Lane  
Mach. Co. (Clay) ...AAAA

**TRAYS**

See also Sinks

**CONN.—Meriden**  
Bradley & Hubbard Mfg.  
Co. (Ash) .....AAAA

## TRAYS (Con.)

**Manning, Bowman & Co.**  
(Brass; Bread; Childs';  
Crumb; Enameled; Tea)  
AA  
**Meriden Britannia Company**  
(Childs'; Crumb) .AAAA  
**CONN.—Wallingford**  
**Wallace & Sons Mfg. Co.,**  
R. (Ash; Crumb) .AAAA  
**ILL.—Chicago**  
**Chicago Chair & Wheel Co.**  
(Bed) .AAAA  
**Nichol & Co. (Ash)** .D  
**Sturges & Burn Mfg. Co.**  
(Metal) .A  
**ILL.—Waukegan**  
**Underwood, H. M. (Silver**  
Plated) .X  
**IND.—Indianapolis**  
**Tucker & Dorsey Mfg. Co.**  
(Knife; Wooden) .A  
**MD.—Baltimore**  
**Weiskittel & Son, A. (Tin)**  
A  
**MASS.—Boston**  
**Cummings, Son & Co., Jos.**  
(Suspender) .C  
**Dennison Mfg. Co. (Jewel-**  
ers') .AAAA  
**MASS.—Chelsea**  
**Low Tile Co. (Ash)** .F  
**MASS.—Florence**  
**Florence Mfg. Co. (Butlers'**  
Complete) .A  
**MASS.—Westfield**  
**Crane Bros. (Butlers' Com-**  
plete; Linenoid; Photog-  
raphers') .AAA  
**MASS.—Worcester**  
**Wire Goods Co. (Inc.)**  
(Wire; Paper) .D  
**MICH.—Detroit**  
**Byram & Co. (Casting)** .D  
**MO.—St. Louis**  
**St. Louis Stamping Co.**  
(Bread; Childs'; Enam-  
eled) .AAAA  
**N. J.—Burlington**  
**Stuart & Peterson Co.**  
(Butchers') .A  
**N. J.—Hoboken**  
**Cabot, Jno. (Gas; Scrubber;**  
Purifier) .B  
**N. J.—Trenton**  
**Trenton Potteries Company**  
(Crockery) .AAA  
**N. Y.—Brooklyn**  
**Bliss & Co., E. W. (Tin)**  
AAAA  
**Cooper & McKee (Butchers'**  
Complete) .A  
**Donnelly & Co., J. R. (Mir-**  
ror) .D  
**New York Stamping Co.**  
(Crumb; Metal) .A  
**Sweeney Mfg. Co., W. H.**  
(Childs'; Crumb; Tea;  
Wooden) .A  
**N. Y.—Buffalo**  
**Apel, Herman (Jewelers')** .F  
**Jewett Mfg. Co., John C.**  
(Nickel Plated; Brass;  
Childs'; Crumb) .AA  
**Shepard & Co., Sidney (Met-**  
al) .AAAA  
**New York City**  
**Aimone Mfg. Co., 420 E.**  
23d (Wooden) .B  
**Ansonia Brass & Copper Co.**  
(Brass) .AAAA  
**Cordley & Hayes (Tea)** .A  
**Gennert, G. (Photograph-**  
ers') .B  
**Gorham Mfg. Co., B'way &**  
19th (Silver Plated; Sil-  
ver) .AAAA  
**Gould-Mersereau Co. (Brass)**  
B  
**Haydenville Mfg. Co. (Drip;**  
Enameled Iron) .A  
**Hennings, Wm. (Jewelers')**  
D  
**International Silver Co., 9**  
Maiden Lane (Card; Chil-  
drens' Crumb; Spoon)  
AAAA  
**Judd & Co., H. L. (Ash;**  
Brass) .AA  
**Lalace & Grosjean Mfg.**  
Co., 19 Cliff (Bread;  
Childs'; Enameled)

## TRAYS (Con.)

**Knife** .AAAA  
**Mace & Co., L. H. (Bed;**  
Butlers' Complete; Knife;  
Wooden) .B  
**Mason & Co., J. W. (Fold-**  
ing) .B  
**Sargent Co., Geo. F., 289**  
4th Av. (Bed) .X  
**Stokes & Co., Wm. A., 30**  
Warren (Wooden) .D  
**Stoutenborough, K. (Crumb)**  
D  
**Wiggers & Froelick (Jewel-**  
ers') .B  
**N. Y.—Rochester**  
**Rochester Stamping Co.**  
(Brass) .AAA  
**N. Y.—Rome**  
**Rome Mfg. Co. (Metal;**  
Nickel Plated) .B  
**OHIO—Cincinnati**  
**Globe-Wernicke Co. (Desk)**  
AAAA  
**Mitchell Furniture**  
Co.,  
Robert (Butlers' Com-  
plete) .AAAA  
**Western Tray Factory (Jew-**  
elers') .F  
**OHIO—Cleveland**  
**Globe Machine & Stamping**  
Co. (Electric Lamp) .C  
**OHIO—Salem**  
**Clark Co., W. J. (Electric**  
Lamp) .A  
**PA.—Lebanon**  
**Hauck, A. B. (Knife)** .B  
**PA.—Philadelphia**  
**Gillinder & Son (Inc.)**  
(Pin) .A  
**Porter & Co., C. B. (Tea)**  
A  
**PA.—Pittsburg**  
**Standard Mfg. Co. (Drip;**  
Enameled Iron) .AA

## TREADLES

**New York City**  
**Slotkin & Praglin, 210 Ca-**  
nal (Foot Power; Sewing  
Machine) .B

## TREADS

**CONN.—Waterbury**  
**Holmes, Booth & Haydens**  
Co. (Brass Stair) .AAAA  
**Waterbury Brass Co. (Brass**  
Stair) .AAAA  
**ILL.—Chicago**  
**Morgan & Wright, 332 W.**  
Lake (Rubber Stair) .AA  
**Railway Appliances Co.**  
(Ship) .A  
**MASS.—Boston**  
**Boston Belting Co. (Rubber**  
Stair) .AAAA  
**MASS.—Taunton**  
**Taunton Oil Cloth Company**  
(Stair) .B  
**N. H.—Exeter**  
**Rubber Step Mfg. Co. (Car;**  
Stair) .D  
**N. J.—Jersey City**  
**New Jersey Car Spring &**  
Rubber Co. (Rubber Stair)  
AA  
**N. J.—Trenton**  
**Home Rubber Co. (Rubber**  
Stair) .AA  
**Trenton Rubber Mfg. Co.**  
(Rubber Stair) .A  
**N. Y.—Gowanda**  
**Gowanda Agricultural Wks.**  
Co. (Power; Dog or  
Sheep) .X  
**N. Y.—Manlius**  
**Cheney & Son, S. (Iron;**  
Stair) .A  
**New York City**  
**Goodyear's India Rubber**  
Glove Mfg. Co. (Rubber  
Stair) .AAAA  
**N. Y. Belting & Backing**  
Co., 25 Park Pl. (Rubber  
Stair) .AAA  
**PA.—Philadelphia**  
**American Pressed Steel Co.,**  
824 Witherspoon Bldg.  
(Car Step) .B

## TREES

**CONN.—New Haven**  
North & Co., O. B. (Saddle) AA  
**GA.—Demorest**  
Flor, Edw. (Cart) .....B  
**IND.—South Bend**  
Studebaker Bros. Mfg. Co.  
(Saddle) .....AAAA  
**MASS.—Brockton**  
Brockton Last Co. (Boot;  
Shoe) .....B  
Miller, O. A. (Boot; Shoe) B

**MASS.—Stoughton**  
Belcher Last Co., Geo. E.  
(Boot; Shoe) .....C  
**MASS.—Worcester**  
Howe & Littlefield (Boot;  
Shoe) .....F

**MICH.—Battle Creek**  
Johnson Fdy. & Machine  
Wks. (Cloak) .....D

**MO.—Jefferson City**  
Sullivan Saddle Tree Co.,  
J. S. (Saddle) .....E

**N. J.—Newark**  
Bevan, Joseph (Saddle) ..F  
Morrell & Abbott (Shoe) X

Osborne & Co., C. S. (Inc.)  
(Gig) .....B

Peters Harness & Saddlery  
Co. (Express; Gig; Sad-  
dle) .....C

Rubber & Celluloid Harness  
Trimming Co. (Express;  
Gig) .....AA

**N. Y.—Buffalo**  
Buffalo Last Wks. (Boot;  
Shoe) .....B

Pratt & Letchworth Co.  
(Saddle) .....AAA

**New York City**  
Olden & Son, Geoffrey J.  
(Boot; Shoe) .....E

**OHIO—New Berlin**  
Hoover, W. H. (Saddle) ..A

## TRELLISES

**CONN.—Georgetown**  
Gilbert & Bennett Mfg. Co.  
(Wire) .....AAA

**ILL.—Chicago**  
Barbee Wire & Iron Wks.  
(Wire) .....B

**MASS.—Springfield**  
Bigelow-Cheney Wire Wks.  
(Wire) .....A

**MASS.—Worcester**  
National Mfg. Co. (Wire) ..A

**MO.—Kansas City**  
Kansas City Wire & Iron  
Wks. (Wire) .....A

**MO.—St. Louis**  
Ludlow-Saylor Wire Co.  
(Wire) .....AA

**N. Y.—Buffalo**  
Buffalo Wire Works Co.  
(Wire) .....D

**New York City**  
Estey Wire Wks. Co., 59  
Fulton (Wire) .....D

Howard & Morse (Wire) ..D  
**OHIO—Cleveland**  
Forrest City Steel & Iron  
Co. (Wire) .....A

Tyler Co., W. S. (Wire) AAAA

**OHIO—Columbus**  
International Fence & Fire-  
proofing Co. (Vine) ....A

**OHIO—Hamilton**  
Meyers Mfg. Co., Fred J.  
(Wire) .....B

**PA.—Philadelphia**  
Darby & Sons, Edw., 233  
Arch (Wire) .....A

## TRESSELS

**IND.—Indianapolis**  
Udell Works (Painters';  
Plasterers') .....A

**N. Y.—Rochester**  
Pease, F. B. (Painters') D

**N. Y.—Watervliet**  
Tilley, J. S. (Painters';  
Plasterers') .....E

## TRIANGLES

**MASS.—Westfield**  
Crane Bros. (Pool) ....AAA  
**New York City**  
Keuffel & Esser Co., 127  
Fulton (Steel) .....AA  
**PA.—Philadelphia**  
Disston & Sons, Henry  
(Draughtsman's Steel) AAAA  
**R. I.—Providence**  
Brown & Sharpe Mfg. Co.  
(Draughtsman's Steel) AAAA

## TRICKS

**New York City**  
Eureka Trick & Novelty Co. F

## TRICOTS

See Woolen Goods

## TRICYCLES

**ILL.—Chicago**  
Chicago Chair & Wheel Co. A

**MD.—Baltimore**  
Carriage & Toy Co. of Balti-  
more, 220 W. Fayette ..C

**MASS.—Boston**  
Pope Mfg. Co. ....AAAA

**MASS.—Chicopee**  
Ames Sword Co. ....B

**MASS.—Springfield**  
Taber-Prang Art Co. ....AA

**MASS.—Waltham**  
Waltham Mfg. Co. (Gas-  
oline) .....A

**N. Y.—Buffalo**  
Pierce Co., Geo. N. (Chil-  
drens') .....AA

**New York City**  
Horsman, E. I. (Childrens') C

Mace & Co., L. H. (Chil-  
drens') .....B  
Pope Mfg. Co., 21 Park Pl. AAAA

Spalding & Bros., A. G., 126  
Nassau (Childrens') AAAA

**OHIO—Elyria**  
Worthington Mfg. Co. (Chil-  
drens'; Invalids) ....B

**OHIO—Laura**  
Cassel Bros. (Invalids') ..H

**OHIO—Toledo**  
Gendron Wheel Co. (Chil-  
drens') .....AA

Toledo Metal Wheel Co. ....AA  
**VT.—Brattleboro**  
Smith & Co., S. A. (Chil-  
drens') .....AA

## TRIERS

**CONN.—New Britain**  
Humason & Beckley Mfg.  
Co. (Butter; Cheese) ...A

Sargent & Co. (Butter;  
Cheese) .....AAAA

**ILL.—Chicago**  
American Cutlery Co. (But-  
ter; Cheese) .....AA

Creamery Package Mfg. Co.  
(Butter; Cheese) .....AAAA

Vaughan & Bushnell Mfg.  
Co. (Ham) .....A

**MASS.—Boston**  
Dame, Stoddard & Co. (But-  
ter; Cheese) .....A

**N. J.—Newark**  
Johnson, Wm. (Ham) ....D  
**N. Y.—Buffalo**  
White Co., L. & I. J. (Ham) A

**N. Y.—Little Falls**  
Burrell & Co., D. H. (But-  
ter; Cheese) .....AAAA

**New York City**  
Peck, Stow & Wilcox Co.,  
27 Murray (Butter;  
Cheese) .....AAAA

**VT.—Bellows Falls**  
Vermont Farm Machine Co.  
(Butter; Cheese) .....C

## TRIGS

IND.—La Porte  
Lonn & Sons Co. (Hame)...A

## TRIMMERS

See also Machy

CONN.—Bridgeport  
Acme Shear Co. (Lamp)...B  
Bridgeport Brass Company  
(Lamp)...AAA

CONN.—New Haven  
Ives Co., H. B. (Lamp)...A  
CONN.—Unionville  
Monce, S. G. (Photograph)  
D

GA.—Atlanta  
De Loach Mill Mfg. Co.  
(Lumber)...B

ILL.—Chicago  
Allis-Chalmers Co., Home  
Ins. Bldg. (Lumber)  
AAAA

Klein & Son, Mathias, 87  
W. Van Buren...B  
Latham Machinery Co.  
(Book)...C

Link Belt Machinery Co.,  
39th & Stuart Av. (Lum-  
ber)...AAA

ILL.—Waukegan  
Underwood, H. M. (Wall  
Paper)...X

MAINE.—Bangor  
Union Iron Works (Lum-  
ber)...A

MAINE.—North Wayne  
North Wayne Tool Co.  
(Hedge)...C

MASS.—Boston  
United Shoe Machinery Co.  
(Boot; Shoe; Edge).AAAA

MASS.—Brookton  
Snell & Atherton (Welt).C  
MASS.—Kingston  
Drew & Co., C. (Bricklay-  
ers')...C

MASS.—Worcester  
Barr, H. G. (Leather)...D  
MICH.—Bay City  
Garland Co., M. (Two-Saw  
Lumber)...C

MICH.—Detroit  
Strellinger Co., Chas. A.  
(Universal)...A

MICH.—Grand Rapids  
American Machinery Co.  
(Lumber; Wood)...X

Fox Machine Co. (Ltd.)  
(Wood)...A  
MICH.—Greenville  
Gordon Hollow Blast Grate  
Co. (Lumber)...B

MICH.—Kalamazoo  
Hill & Co., Wm. E. (Lath)  
B

MICH.—Muskegon  
Rogers Iron Mfg. Co. (Box  
Board)...B

MICH.—Saginaw  
Wickes Bros. (Lumber)  
AAA

MINN.—Minneapolis  
Howell & Co., R. R. (Lum-  
ber)...B

MO.—St. Louis  
Curtis & Co. Mfg. Co., 2201  
Washn. Av. (Lumber)...A

N. Y.—Belmont  
Clark Bros. Co. (Lumber)  
A

N. Y.—Buffalo  
Holmes Machinery Co., E.  
& B. (Two Saw)...D  
Howard Iron Works (Book)  
A

N. Y.—Newburgh  
Coldwell Lawn Mower Co.  
(Brush)...A

New York City  
Cottrell & Sons Co., C. B.  
(Electrotype)...AAA

Jennings Co., C. E., 42 Mur-  
ray (Spoke)...B  
Lovejoy Co. (Electrotype).B  
Millers Falls Co., 28 War-  
ren (Spoke)...AA

Reilly Bros. (Wall Paper)  
D  
Sheridan Co., T. W. & C. B.  
(Book)...A

## TRIMMERS (Con.)

OHIO—Akron  
Reading Mfg. Co. (Wall Pa-  
per)...B

OHIO—Cincinnati  
Lane & Bodley Co. (Two  
Saw; Wood)...B

Randall & Co. (Strap;  
Trace)...B  
Smith, Myers & Schnier Co.,  
621 W. Front (Lumber).B

OHIO—Dayton  
Seybold Machine Co. (Book)  
A

OHIO—Springfield  
Ridgley Trimmer Co. (Wall  
Paper)...B

Webster & Perks Tool Co.  
(Wall Paper)...O

OHIO—Tiffin  
National Machinery Co.  
(Bolt Head)...AA

PA.—Atglen  
Chalfant Hardware Mfg. Co.  
(Lamp)...X

PA.—Erie  
Standard Sawmill Machinery  
Co. (Lumber)...B

Stearns Mfg. Co.  
(Lumber)...B

PA.—Harrisburg  
Hickok Mfg. Co., W. O.  
(Book)...AA

PA.—Williamsport  
Moltz, Jacob J.:  
(Lumber)...C

United States Machine Co.  
(Lumber)...D

TENN.—Chanooga  
Wheeland Machine Wks.  
(Lumber)...A

TENN.—Jackson  
Southern Engine & Boiler  
Wks. (Lumber)...AA

VT.—Montpelier  
Lane Mfg. Co. (Lumber;  
Lath)...A

WIS.—Eau Claire  
Phoenix Mfg. Co. (Lath;  
Lumber)...A

Shaw Lumber Co., Daniel  
(Lumber)...AA

WIS.—Milwaukee  
Allis-Chalmers Co.  
(Lumber)...AAAA

Filer & Stowell Co.  
(Lumber)...AAA

WIS.—Oshkosh  
Challoner Co.  
(Box Board)...A

WIS.—Stevens Point  
Cook, R. A. (Lumber)...B

WIS.—Wausau  
Murray Mfg. Co., D. J.  
(Lumber)...A

## TRIMMINGS

See also Hardware; Car-  
riage; also see Next Head-  
ings.

CONN.—Bridgeport  
Amer. Tube & Stamping  
Co. (Nickel Plated Steel  
Stove Edge)...AAAA

Bridgeport Brass Co. (Lan-  
tern; Oil Lamp)...AA

Bridgeport Coach Lace Co.  
(Carriage)...O

Burns, Silver & Co.  
(Furniture)...A

Hubbell, Harvey (Stove)  
C

Knapp & Cowles Mfg. Co.  
(Tin; Iron)...C

CONN.—Bristol  
Sessions & Son, J. H.  
(Trunk)...AA

CONN.—Hartford  
Howard & Co., Jas. L.  
(Railway Car)...A

CONN.—Meriden  
Bradley & Hubbard Mfg. Co.  
(Oil Lamp)...AAAA

Meriden Britannia Co.  
(Coffin)...AAAA

Miller & Co., Edward  
(Tin; Iron, Lantern Oil  
Lamp)...AAAA

Rogers & Bros., C. (Coffin)  
AAAA



**TRIMMINGS (Con.)**  
**CONN.—Middletown**  
Palmer, J. E. (Canopy; Tops) ..... AAA  
**CONN.—Milledale**  
Ellis & Son, F. L. (Furniture) ..... E  
**CONN.—Mount Carmel**  
Woodruff & Sons, Walter W. (Carriage) ..... A  
**CONN.—New Britain**  
North & Judd Mfg. Co. (Halter; Harness) ..... AA  
Stanley Wks. (Blind) AAA  
**CONN.—New Haven**  
Cowles & Co., C. (Pole; Shaft) ..... A  
English & Mersick Co. (Pole; Shaft) ..... B  
Mallory, Wheeler Co. (Door Knob) ..... AA  
North & Co., O. B. (Halter; Harness) ..... AA  
Sargent & Co. (Coffin) AAAAA  
**CONN.—Norwich**  
Ossawan Mills Co. (Copper Brush) ..... B  
**CONN.—Plainville**  
Clark & Son, A. N. (Clock) ..... B  
**CONN.—Plantsville**  
Atwater Mfg. Co. (Pole; Shaft) ..... A  
**CONN.—Stamford**  
Yale & Towne Mfg. Co. (Hardware) ..... AAAAA  
**CONN.—Torrington**  
Turner & Seymour Mfg. Co. (Curtain Pole) ..... A  
**CONN.—Waterbury**  
Amer. Ring Co. (Brass; Iron Bedstead; Curtain Pole; Furniture) ..... A  
Matthews & Willard Mfg. Co. (Brass; Iron Bedstead) ..... AAAAA  
Novelty Mfg. Co. (Table Cutlery; Brass & Iron Bedstead; Furniture; Dog Collar; Fancy Box; Metal) ..... A  
Plume & Atwood Mfg. Co. (Tin & Iron; Furniture; Curtain Pole; Harness) AAA  
Waterbury Buckle Co. (Suspender & Hose Supporter) AA  
Waterbury Mfg. Co. (Curtain Pole) ..... AAAAA  
**CONN.—West Haven**  
Amer. Buckle Co. (Suspender) ..... D  
West Haven Buckle Co. (Suspender) ..... C  
**CONN.—Winsted**  
Strong Mfg. Co. (Coffin) A  
**ILL.—Chicago**  
Adams & Westlake Co., Ontario & N. Franklin (Car, Metal Coach Railway; Street Car) AAAAA  
Curtain Supply Co. (Car) AA  
Illinois Malleable Iron Co. (Urinal) ..... AAAAA  
Opaque Shade Cloth Co. (Shade) ..... AA  
Wallace Supply Co., 169 Jackson Boul. (Car) ..... D  
**ILL.—Edwardsville**  
Edwardsville Brass Co. (Lavatory) ..... B  
**ILL.—Freeport**  
Arcade Mfg. Co. (Stove) A  
**ILL.—Sterling**  
Novelty Iron Wks. (Wooden Pump; Iron) ..... E  
Rock Falls Mfg. Co. (Coffin) ..... A  
**IND.—Anderson**  
Buckeye Mfg. Co. (Canopy; Tops) ..... AA  
**IND.—Elkhart**  
Buescher Mfg. Co. (Car) X  
**IND.—Fort Wayne**  
City Carriage Wks. (Carriage) ..... C  
**IND.—La Porte**  
La Porte Carriage Co. (Carriage) ..... A  
**MAINE—Portland**

**TRIMMINGS (Con.)**  
Cox & Co., A. F. (Shoe) A  
Laughling Co., Thos. (Ship) ..... A  
Maine Red Granite Co. (Stone) ..... B  
**MD.—Baltimore**  
Duer & Sons, John (Furniture) ..... A  
**MASS.—Amesbury**  
Atwood Mfg. Co. (Pole; Shaft) ..... C  
**MASS.—Attleboro**  
Wilmarth & Co., W. D. (Coffin) ..... D  
**MASS.—Boston**  
Austin & Eddy (Blind) C  
Crosby Steam Gage & Valve Co. (Steam Engine; Boiler) ..... AA  
Page Bros. Co., 347 Cambridge (Car) ..... B  
Sherburne & Co., 53 Olive (Car) ..... B  
Standard Rivet Co. (Dog Collar) ..... B  
**MASS.—Haydenville**  
Hydenville Co. (Steam Engine) ..... A  
**MASS.—Lynn**  
Houghton Heel & Leather Co. (Shoe) ..... X  
Parker Bros. Mfg. Co. (Shoe) ..... E  
Smith Co., A. F. (Shoe) B  
**MASS.—New Bedford**  
Fairpoint Corporation (Coffin) ..... AA  
**MASS.—North Attleboro**  
Webster Co. (Sterling Silver) ..... A  
**MASS.—Taunton**  
Dary & Son, Edwin A. (Stove) ..... D  
Reed & Barton Corporation (Coffin) ..... AAA  
**MASS.—Worcester**  
Matthews Mfg. Co. (Stove) ..... D  
Spencer Wire Co. (Over-all) ..... A  
Warren Leather Goods Co. (Horse Blanket) ..... E  
Worcester Terrul & Mfg. Co. (Brass; Steel; Stove) C  
**MICH.—Detroit**  
Ireland & Matthews Mfg. Co. (Stove, in all metals) A  
Park & McKay Co. (Lavatory) ..... C  
**MICH.—Grand Rapids**  
Grand Rapids Brass Co. (Furniture; Metal Furniture) ..... A  
Waddell Mfg. Co. (Furniture) ..... B  
**MO.—St. Louis**  
Central Union Brass Co., 811 N. 2nd (Car) ..... E  
Pleuger & Henger Mfg. Co. (Car; Brass) ..... A  
**N. H.—Manchester**  
Campbell, John (Harness) H  
**N. J.—Newark**  
Goulds Son & Co., M. (Trunk) ..... A  
Jenkinson & Co., R. C. (Bag; Box; Trunk) AA  
Lockwood Mfg. Co. (Carriage; Pole; Shaft) ..... B  
Rubber & Celluloid Harness Trimming Co. (Harness) AA  
Sargeant Mfg. Co. (Harness) ..... A  
**N. Y.—Albany**  
Burdick & Son (Stove; Specialties) ..... B  
**N. Y.—Binghamton**  
Crandal, Stone & Co. (Harness; Vehicle Top) ..... A  
**N. Y.—Brooklyn**  
Columbia Machine Wks. & Malleable Iron Co., 169 Chestnut (Car Electric) A  
Gretsch, Fred (Musical Instrument) ..... C  
Union Porcelain Wks. (Porcelain; Hardware) D

**TRIMMINGS (Con.)**  
 Vogel & Bros. Wm. (Tin; Iron) ..... D  
**N. Y.—Buffalo**  
 McKinnon Dash Co. (Shaft Leather) .... AA  
 Pratt & Letchworth Co. (Halter; Pole; Shaft) AAA  
 Shepard & Co., Sidney (Tin; Iron) ..... AAAAA  
**New York City**  
 Amer. Flag Co. (Flag; Banner) ..... A  
 Boyle & Co., John (Flag; Banner) ..... AA  
 Creamer & Co., W. G. 96 John (Car; Railway Car) B  
 Gould-Mersereau Co. (Picture Rod) ..... B  
 Judd & Co., H. L. (Curtain Pole; Picture Rod) AA  
 Lalanc & Grosjean Mfg. Co. (Tin; Iron) ..... AAAAA  
 Lamb, J. & B. (Flag; Banner) ..... D  
 McKenna & Bros., Jas. J. (Railway Car) ..... B  
 Metal Stamping Co. (Carriage) ..... A  
 Meyer-Sniffen Co. (Ltd.) (Urinal) ..... A  
 Nason Mfg. Co. (Radiator) B  
**N. Y. Nickel Plating & Mfg. Co., 73 Watts (Stove)** ..... D  
 Russell & Erwin Mfg. Co. (Hardware) ..... AAAAA  
 Salomon & Phillips (Furniture) ..... AA  
 Simpson Co., Thomas I. (Yacht) ..... F  
**N. Y.—Oxford**  
 Clarke Blue Stone Co., F. G. (Stone) ..... A  
**N. Y.—Rochester**  
 National Casket Co. (Coffin) ..... AAAAA  
**N. Y.—Troy**  
 Kilbourne Mfg. Co. (Stove) C  
**N. Y.—Waterliet**  
 Covert Mfg. Co. (Halter) A  
**OHIO—Akron**  
 Baker-McMillan Co. (Tin; Iron) ..... B  
**OHIO—Canton**  
 Elbel Co. (Halter; Harness) A  
**OHIO—Cincinnati**  
 Cinn. Coffin Co. (Coffin) AA  
 Crane & Breed Mfg. Co. (Coffin) ..... AA  
 Electric Railway Equipment Co. (Street Car) ..... B  
 Lunkenheimer Co. (Steam Engine) ..... AA  
 McKowan Co., Jno. H., (Tin; Iron; Steam Engine; Boiler) ..... A  
 Peck-Williamson Htg. & Ventg. Co. (Urinal) .... B  
**OHIO—Cleveland**  
 Cleveland Hdw. Co. (Pole; Shaft) ..... AA  
 Fanner Mfg. Co. (Stove) A  
 Ohio Brass & Iron Mfg. Co. (Urinal) ..... B  
**OHIO—Columbus**  
 Columbus Bolt Wks. (Pole; Shaft) ..... AA  
**OHIO—Dayton**  
 Dayton Mfg. Co. (Car; Refrigerator; Railway; Vestibule Car) ..... A  
**OHIO—Mansfield**  
 Ohio Brass Co. (Railway; Street Car) ..... AA  
**OHIO—Springfield**  
 Springfield Brass Co. (Steam Engine) ..... E  
**OHIO—Toledo**  
 Kroh Co., C. Z. (Carriage) E  
**PA.—Mechanicsburg**  
 Wilcox Mfg. Co., D. (Carriage) ..... A

**TRIMMINGS (Con.)**  
**PA.—New Castle**  
 Amer. Car & Ship Hdw. Mfg. Co. (Car; Brass; Bronze) ..... D  
**PA.—Philadelphia**  
 Adamson & Co., James (Suspender) ..... A  
 Berger Bros. Co. (Tin; Iron) ..... A  
 Brill Co., J. G. (Railway Car) ..... AAAAA  
 Devlin Mfg. Co., Thos. (Tin; Iron) ..... AA  
 Gaumer Co., Jno. L. (Railway Car) ..... O  
 Green & Co., Henry W. (Shade) ..... A  
 Halstead & Co., 1129 Cherry (Car) ..... O  
 Horstmann Co., Wm. H. (Railroad Uniform; Carriage; Blind) ..... AAAAA  
 Lane's Sons, D. M. (Pole; Shaft) ..... D  
 Loeb, Lipper & Co. (Bullion) A  
 McCambridge & Co. (Ltd.) (Bath Tub) ..... B  
 Maurer & Sons, F. W. (Shade; Blind) ..... B  
 Miller Lock Co. (Railway Car) ..... B  
 Porter & Co., C. B. (Tin; Iron) ..... A  
 Thorn Co., J. S. (Iron; Building) ..... B  
**PA.—Pittsburg**  
 Canonsburg Iron & Steel Co. (Tin; Iron) ..... B  
 Standard Mfg. Co. (Urinal) ..... AA  
**PA.—Williamsport**  
 Valley Iron Wks. (Pole; Shaft) ..... A  
**PA.—Wrightsville**  
 Wrightsville Hdw. Co. (Tin; Iron) ..... B  
**R. I.—Pawtucket**  
 Cobb & Co., W. R. (Jewelers' Chain) .... B  
 Fuller & Son, Co., Geo. H. (Jewelers' Chain) .... A  
**R. I.—Providence**  
 Ballou & Co., B. A. (Jewelers' Chain) ... AA  
 Dover Co., Geo. W. (Jewelers' Chain) .... B  
 Hamilton & Hamilton, Jr. (Jewelers' Chain) .... A  
 Heinberger & Pearson (Jewelers' Chain) .... F  
 Lederer Co., S. & B. (Jewelers' Chain) .... O  
 Lind Co., Thos. W. (Jewelers' Chain) .... A  
 New England Butt Co. (Door Knob) ..... AA  
 Vose Mfg. Co., Geo. L. (Jewelers' Chain) .... B  
 Waite, Mathewson & Co. (Jewelers' Chain) .... B  
**VT.—Post Mills**  
 Chubb Rod Co., T. H. (Fishing Rod) ..... A  
**W. VA.—Wheeling**  
 Wheeling Metal & Mfg. Co. (Tin; Metal; Jar; Metal for Glass Jars) ..... D  
**WIS.—Milwaukee**  
 Loeffelholz & Co., 170 Clinton (Car) ..... A  
**WIS.—Oshkosh**  
 Schmidt Bros. Trunk Co. (Trunk) ..... A  
**WIS.—Racine**  
 Racine General Mfg. Co. (Wagon; Harness) .... E

## TRIMMINGS: CARRIAGE

**N. Y.—Rochester**  
 Schaefer & Klien (Silk Carr.) ..... O  
 Schlegel Mfg. Co. (Silk Carriage) ..... O  
 Vogt Mfg. & Coach Lace Co. (Silk Hears, etc.) ..... A  
**OHIO—Cincinnati**  
 Albrecht & Co., Chas. (Silk

**TRIMMINGS (Con.)**  
 Carriage Fringes) .....B  
**PA.—Philadelphia**  
 Horstmann & Co., Wm. H.  
 (Silk) .....AAA

## TRIMMINGS: DRESS

See also Silk Goods

**ILL.—Chicago**  
 Fiedler & Sons, A. B.  
 (Fringes; Gimpes, etc.) A

**ILL.—Highland**  
 Highland Embroidery Wks.  
 B

**MASS.—Boston**  
 Boston Braid Mfg. Co.  
 (Cloak; Dress) .....F  
 Weinz Trimming Co. (Silk)  
 E

Ziegler & Sons, A. (Silk;  
 Worsted) .....B

M. J.—Hoboken  
 Arnold & Co., A. (Silk Mil-  
 linery; Dress) .....D

M. Y.—Brooklyn  
 Castle Braid Co. (Silk  
 Dress; Cloak) .....AA  
 Jennings Lace Wks. (Silk)  
 AAAA

**New York City**  
 Bernstein & Co. (Silk Cloak;  
 Dress) .....D

Buschmann, Chas. H. (Silk  
 Fringes; Cords, etc.) ...D

Fisher, M. (Silk) .....C

Hertlein, Chr. E. (Silk) ...A

Jung & Turnbull (Silk) ...C

Levue & Fimpel (Silk) ...D

Muller, J. (Silk) .....D

Neudorfer & Hochbaum  
 (Silk) .....D

Oehle & Bocker (Silk) ...C

Oppen & Bro., H. L. (Silk)  
 C

Prosnitz & Greenebaum  
 (Silk) .....D

Sundheimer Bros. (Silk) ...B

Wolf & Newman (Silk) ...D

**N. Y.—Rochester**  
 Schlegel Mfg. Co. (Silk  
 Skirt) .....C

**PA.—Philadelphia**  
 Bernstein, Kaufman & Co.  
 (Silk) .....A

Binns Patent Band Co.  
 (Silk) .....D

Goodman, Loeb & Co. (Silk)  
 A

Hensel-Colladay Co. (Silk) A

Horstmann & Co., Wm. H.  
 (Silk) .....AAA

Loeb, Lipper & Co. (Silk  
 Gimp, etc.) .....A

Rosenau & Co., S. (Silk) ...A

**TRIMMINGS:**

**LAMP**

**ILL.—Chicago**

Bennett, I. A., Monadnock  
 Block (Mfrs. Agent) ...D

Block Light Co., 26 Lake, A

**PA.—Philadelphia**

Hensel Silk Mfg. Co. (Silk)  
 C

**TRIMMINGS:**

**MILITARY**

**CONN.—Waterbury**

Waterbury Button Co. ....A

**New York City**

Eicke, Edward, 157 Canal  
 (Silk) .....E

Slegman & Weil, 77 Wooster  
 A

**PA.—Philadelphia**

Horstmann & Co., Wm. H.  
 AAA

**TRIMMINGS:**

**MILLINERY**

See also Millinery

**New York City**

Brandt & Bros., Joseph

**TRIMMINGS (Con.)**  
 (Silk) .....D  
 Metzger & Co., Louis (Silk)  
 A

Prosnitz & Greenebaum  
 (Silk) .....D

Ungar, M. (Silk) .....C

Wolf & Newman (Silk) ...D

**PA.—Philadelphia**

Bernstein, Kaufman & Co.  
 (Silk) .....A

Binns Patent Band Co.  
 (Silk) .....D

Goodman, Loeb & Co. (Silk)  
 A

Hensel-Colladay Co. (Silk) A

Loeb, Lipper & Co. (Silk), A

Rosenau & Co., S. (Silk), A

**TRIMMINGS:**

**SHADE**

**PA.—Philadelphia**

Maurer & Sons, F. W., 528  
 Cherry (Silk) .....B

**TRIMMINGS:**

**UNDERTAKERS**

**New York City**

Fisher, M., 61 Worth (Silk)  
 C

Frank & Lambert, 47 Greene  
 A

**N. Y.—Rochester**

Schaefer & Klein .....C

Schlegel Mfg. Co. ....B

**PA.—Philadelphia**

Schrack & Sherwood (Silk)  
 B

Wright & Co., S. D., 1017  
 N. Front. ....D

**TRIMMINGS:**

**UPHOLSTERY**

**DRAPERY, ETC**

**ILL.—Chicago**

Chicago Fringe & Embroid-  
 ery Co., Wash. and Mar-  
 ket .....D

Mackie-Lovejoy Mfg. Co.  
 (Brass; Furniture) .....C

Mansure Co., E. L., 75 Mich.  
 Av. (Upholstery) .....A

Peters Trimming Co., 229  
 Fulton .....B

Phoenix Trimming Co., of  
 Chicago .....C

**New York City**

Filler & Co., J. A. (Silk  
 Cords; Tassels, etc.) ...F

Grau & Lehman (Silk Up-  
 holstery) .....D

Hepner & Horwitz (Silk  
 Cords; Gimps; Tassels) C

Hofman & Ellrodt (Silk Up-  
 holstery Cords; Tassels) C

Leiter, I. H. (Silk Furn.  
 Gulmps) .....F

Meyer & Co., Martin (Silk  
 Upholstery) .....C

Reshower & Co., Joseph  
 (Silk Fringes; Tassels;  
 Cords) .....B

Union Upholstery Trimming  
 Co., 603 W. 36th (Uphol-  
 stery) .....D

Waterman, Felix (Silk), D

Weinberg Co., C. (Silk) ...D

William's Sons, P. H.  
 (Silk) .....D

**N. Y.—Valatie**

Adhesive Gulp Mfg. Co.  
 (Furniture Gimps; Cords;  
 Headings for Fringe) ...D

**OHIO—Cincinnati**

Hoffmeister Co., Alb. F.  
 (Gimps; Fringes) .....C

**PA.—Emaus**

Keystone Silk Mills (Silk  
 Draperies) .....AAA

**PA.—Philadelphia**

Eastlake Mfg. Co. (Furn.  
 Gimp, etc.) .....B

Hensel Silk Mfg. Co. (Silk)  
 C

Horstmann & Co., Wm. H.  
 (Silk) .....AAA

Maurer & Sons, F. W. (Silk)

**TRIMMINGS (Con.)**

Oehrle Bros. & Co. (Silk) . . . B  
 Schrack & Sherwood (Silk) . . . B  
 Siedmann & Sons Mfg. Co.,  
 David (Silk Fringes;  
 Cords Tassels; Curtain  
 Loops, etc.) . . . . . B

**TRIPODS**

N. J.—Jersey City  
 Bauer, Max . . . . . G  
 New York City  
 Anthony & Scovill Co., 122  
 5th Av. . . . . D  
 Folmer & Schwing Mfg. Co.,  
 407 Broome . . . . . C  
 N. Y.—Rochester  
 Eastman Kodak Co., AAAA  
 OHIO—Cleveland  
 Cleveland Metal Stamping  
 Co. . . . . E  
 WIS.—Burlington  
 Multiscope & Film Co. . . . D

**TRIPOLI**

GA.—Spring Place  
 Cohutta Talc Co. . . . . E  
 N. J.—Newark  
 Hansen & Van Winkle Co. . . . AA  
 N. Y.—Rochester  
 Eastman Kodak Co. . . . . AAAA

**TRIPPERS**

ILL.—Chicago  
 Weller Mfg. Co., 118 North  
 Av. (Belt) . . . . . A

**TRIPS**

MICH.—Bay City  
 Garland Co., M. (Steam;  
 Cart) . . . . . O  
 MICH.—Kalamazoo  
 Hill & Co., Wm. E. (Steam;  
 Cart) . . . . . B  
 PA.—Chester  
 Berry Engineering Co.  
 (Steam) . . . . . E  
 WIS.—Milwaukee  
 Filler & Stowell Co. (Ltd.)  
 (Steam; Cart) . . . . . AAA

**TRITURATES**

IND.—Indianapolis  
 Lilly & Co., Eli (Tablet)  
 . . . . . AA  
 MICH.—Detroit  
 Parke, Davis & Co. (Tablet)  
 . . . . . AAAA  
 New York City  
 Fraser Tablet Triturate  
 Mfg. Co. (Tablet) . . . . . AA  
 OHIO—Cincinnati  
 Merrell Chemical Co., Wm.  
 S. . . . . AAA

**TRITURATORS**

CAL.—Los Angeles  
 Acme Triturator Co. . . . . X  
 N. Y.—Newburgh  
 Coldwell-Wilcox Co. . . . . B

**TROLLEYS**

ALA.—New Decatur  
 North Alabama Engineering  
 Co. (Overhead) . . . . . D  
 ILL.—Aurora  
 Wilcox Mfg. Co. (Overhead)  
 . . . . . B  
 ILL.—Chicago  
 Perrin & Co., W. R. (Beef;  
 Hog) . . . . . A  
 MICH.—Detroit  
 Northern Engineering Wks.  
 (Pneumatic) . . . . . A

New York City  
 Hunt Co., C. W. (Over-  
 head) . . . . . AA  
 Ner Jersey Fdry. & Mach.  
 Co., 9 Murray (I. Beam)  
 . . . . . D  
 Yale & Towne Mfg. Co., 9  
 Murray (I. Beam) . . . . . AAAA

**TROLLEYS (Con.)**

OHIO—Cleveland  
 Atlas Car & Mfg. Co.  
 (Street Railway) . . . . . AA  
 Garry Iron & Steel Co.  
 (Pneumatic) . . . . . A  
 PA.—South Bethlehem  
 Bethlehem Fdry. & Machine  
 Co. (Street Railway) . . . . C  
 PA.—Pittsburg  
 Nuttall Co., R. D. (Street  
 Railway) . . . . . A  
 PA.—Reading  
 Reading Crane & Hoist Wks.  
 (Overhead) . . . . . A

**TROMMELS**

WIS.—Milwaukee  
 Allis-Chalmers Co. . . . . AAAA  
 2056 TROUGHS

**TROUGHS**

ILL.—Chicago  
 Barbee Wire & Iron Wks.  
 (Watering) . . . . . B  
 Caldwell & Son Co., H. W.  
 Western Av. & 17th (Con-  
 veyor) . . . . . AA  
 MD.—Baltimore  
 Baltimore Cooperage Co.  
 (Bakers') . . . . . B  
 MASS.—Boston  
 Johnson & Co., H. A. (Ba-  
 kers') . . . . . A  
 N. J.—Paterson  
 Paterson Heater Co. (Eaves)  
 . . . . . H

N. J.—Plainfield  
 Pond Machine Tool Co.  
 (Grindstone) . . . . . AAAA  
 N. Y.—Cato  
 Dutton & Co., E. Q. (Cast  
 Iron, Hog) . . . . . E  
 N. Y.—Manlius  
 Cheney & Son, S. (Pig) . . . A  
 New York City  
 Fiske Iron Wks., J. W.  
 (Watering) . . . . . B  
 N. Y.—Troy  
 West Side Fdry. Co. (Cat-  
 tle) . . . . . A  
 OHIO—Cleveland  
 Avery Stamping Co. (Cattle)  
 . . . . . B

OHIO—Columbus  
 Kilbourne & Jacobs Mfg. Co.  
 (Seamless Steel) . . . . . AAAA  
 OHIO—Salem  
 Clark Co., W. J. (Seamless  
 Steel) . . . . . A  
 OHIO—Tremont  
 Lehr Agr'l Co. (Hog) . . . . B  
 PA.—Bausman  
 Bausman, D. H. (Poultry;  
 Steel; Stock) . . . . . O  
 PA.—East Bangor  
 East Bangor Consolidated  
 Slate Co. (Slate Feed) . . . . AA  
 East Bangor Mfg. Co. (Cast  
 Hog) . . . . . X  
 PA.—Elizabethtown  
 Bucks Sons Co., A. (Poul-  
 try; Watering; Cattle;  
 Pump) . . . . . A  
 PA.—Nazareth  
 Nazareth Fdry. & Mach. Co.  
 (Cattle) . . . . . B  
 PA.—Philadelphia  
 Link Belt Engineering Co.  
 (Conveyor) . . . . . AA  
 PA.—Tatamy  
 Messinger Mfg. Co. (Water-  
 ing) . . . . . B  
 E. I.—Providence  
 Browne & Sharpe Mfg. Co.  
 (Grindstone) . . . . . AAAA

**TROUSERS**

See Clothing: Men's

**TROWELS**

CONN.—Bridgeport  
 Knapp & Cowles Mfg. Co.  
 (Plastering; Pointing; La-  
 dies' Floral; Garden) . . . . O  
 CONN.—New Britain  
 Landers, Frary & Clark  
 (Garden) . . . . . AAA  
 CONN.—Southington

**TROWELS (Con.)**

Peck, Stow & Wilcox Co. (Garden) .....AAAA  
**CONN.—Unionville**  
 Humphrey, H. W. (Garden) D  
**IND.—Indianapolis**  
 Atkins & Co., E. C. (Brick; Plastering) .....AAAA  
**IND.—Lawrenceburg**  
 Bishop & Co., Geo. H. (Plastering; Brick) ....A  
**MASS.—Sharon**  
 Lathrop & Co., H. A. (Plastering; Garden) .....X  
**N. J.—Newark**  
 Johnson, Wm. (Brick; Plastering; Garden) .....D  
 National Saw Co. (Brick; Plastering) .....B  
**N. Y.—Brooklyn**  
 New York Stamping Co. (Garden) .....A  
**N. Y.—Buffalo**  
 Shepard & Co., Sidney AAAAA  
**New York City**  
 Sargent & Co., 151 Leonard (Garden) .....AAAA  
 Wiebusch & Helger, 9 Murray (Brick; Plastering) A  
**OHIO—Canton**  
 Gibbs Mfg. Co. (Garden) .A  
 Kohler & Co., F. E. (Garden) .....B  
**OHIO—Cleveland**  
 Avery Stamping Co. (Garden) .....B  
**OHIO—Salem**  
 Clarke Co., W. J. (Garden) A  
**PA.—Philadelphia**  
 Disston & Sons, Henry (Brick; Plastering; Coke; Garden) .....AAAA  
 Stortz & Sons, Jno., 210 Vine (Brick; Plastering) E  
**TRUCKS**  
 See also Carriages & Wagons; Wheels  
**ALA.—New Decatur**  
 North Alabama Enigneering Co. (Logging; Lumber), D  
**ALA.—Selma**  
 Peacock's Iron Wks. (Ball Bearing, for Industrial Cars; Logging; Lumber; Steel; Dry Kiln; Cotton) X  
 Union Iron Wks. Co. (Steel; Dry Kiln) .....B  
**ARK.—Jonesboro**  
 Hiett Wagon Co. (Stave; Heading) .....E  
**CAL.—San Francisco**  
 Hammond & Co. (Inc.), J. (Car; Electric Railway) B  
**CONN.—New Haven**  
 Mersick & Co., C. S., 286 State (Baggage; Stove) A  
**CONN.—Windsor Locks**  
 Clark Co., Geo. P. (Bag Barrel; Baggage; Store; Warehouse; Factory; Rubber Roll) .....O  
**DEL.—Elsmere**  
 Diamond State Fibre Co. (Mill) .....B  
**DEL.—Wilmington**  
 Amer. Vulcanized Fibre Co., 1017 Market (Mill) AAAAA  
**ILL.—Chicago**  
 Chicago Scale Co., 151 Jeff'n (Baggage; Store; Warehouse; Factory; Bacon; Ham; Hog; Platform; Barrel) .....A  
 International Harvester Co. (Binder) .....AAAA  
 Fairbanks, Morse & Co., Franklin & Monroe (Store; Warehouse; Factory) .....AAAA  
 Kindl Car Truck Co., 135 Adams (Steam Car) ....B  
 McGuire, Cumming Mfg. Co., 122 N. Sangamon (Electric, etc.) .....AA  
 McMullin Motor Power & Construction Co. (Motor) B

**TRUCKS (Con.)**

Nicol & Co. (Toy) .....D  
 Standard Car Truck Co., Old Colony Bldg. (Roller Bearing Passenger Electric; Freight Car Locomotive Tender) .....B  
**ILL.—Freeport**  
 Arcade Mfg. Co. (Stove; Warehouse Factory; Store) .....A  
**ILL.—Harvey**  
 Whiting Fdry Equipment Co. (Fdry.; Ingot; Rolling Mill) .....AA  
**ILL.—Joliet**  
 Bates Machine Co. (Wire Mill) .....B  
**ILL.—Marseilles**  
 Marseilles Mfg. Co. (Binder) A  
**ILL.—Moline**  
 Moline Wagon Co. (Header) AAAAA  
**ILL.—Mt. Vernon**  
 Mt. Vernon Car Mfg. Co. (Logging; Lumber), AAA  
**IND.—Elkhart**  
 Foster Novelty Co., C. A. (Carriage; Crate) .....F  
**IND.—Evansville**  
 Smith, I. L. (Store; Warehouse; Factory) .....F  
**IND.—Indianapolis**  
 Atkins & Co., E. C. (Lumber; Timber) .....AAAA  
 Dietz Co., Fred., 1102 Madison Av. (Store; Warehouse; Factory) .....O  
 Nordyke, Marmon Co. (Bag; Barrel) .....AAA  
 Over, Ewald (Binder) ....O  
 Potts Co. (Inc.), C. A. (Brick; Tile) .....B  
 Tucker & Dorsey Mfg. Co. (Barrel; Store; Warehouse; Factory; Stove; Bag) .....A  
**IND.—Logansport**  
 Dorner Truck & Fdry Co. (Electric Motor) .....X  
**IND.—Richmond**  
 Richmond City Mill Wks. (Bag; Barrel) .....B  
**IND.—South Bend**  
 Bowsher Co., N. P. (Bag) B  
**IOWA—Clinton**  
 Fish Bros. Mfg. Co. (Binder; Header) .....A  
**IOWA—Dubuque**  
 Adams Co. (Barrel; Bag; Iron; Stove) .....A  
**MAINE—Kennebunk**  
 Leatheroid Mfg. Co. (Store; Warehouse; Factory) ...A  
**MASS.—Boston**  
 Ames Plow Co. (Baggage; Block; Platform; Warehouse) .....AAAA  
 Boston Belting Co. (Rubber Roll) .....AAAA  
 Boston & Lockport Block Co. 160 Commercial (Bag; Baggage; Box; Foundry; Rolling Mill; Store; Warehouse; Factory; Barrel; Bacon; Ham; Block; Book; Cotton; Dry Goods; Platform; Brick; Store; Stove; Timber) .....A  
 Sturtevant Co., B. F. (Lumber; Dry Kiln Foundry) AAA  
**MASS.—Chicopee Falls**  
 Belcher & Taylor Agr'l Tool Co. (Bag; Barrel; Store; Warehouse; Factory) ...A  
**MASS.—Lawrence**  
 Perkins Co., C. N. (Hook; Ladder) .....D  
**MASS.—Springfield**  
 Bemis Car Truck Co. (Electric, etc.) .....X  
 Wason Mfg. Co. (Steam; Electric) .....AA  
**MD.—Baltimore**  
 Balto. Car Wheel Co., Patterson Av. & Payson (Electric) .....B  
**MASS.—Westfield**  
 Crane Bros. (Warehouse) AAA

**TRUCKS (Con.)**

**MICH.—Battle Creek**  
Hart, R. A. (Printers Form) B

**MICH.—Detroit**  
Amer. Blower Co. (Steel; Dry Kiln) .....AA  
Byram & Co. (Inc.) (Foundry) .....D  
Northern Engineering Wks. (Foundry; Ingot; Rolling Mill) .....A  
Russel Wheel & Fdry. Co. (Car; Steam; Electric) AA

**MICH.—Grand Rapids**  
Grand Rapids Hand Screw Co. (Store; Warehouse; Factory) .....B

**MICH.—Holly**  
Michigan Mfg. & Lumber Co. (Store; Warehouse; Factory) .....B

**MICH.—Jackson**  
Withington & Cooley Mfg. Co. (Store; Warehouse) AA

**MICH.—Kalamazoo**  
Kalamazoo Railway Supply Co. (Baggage) .....B

**MICH.—Lansing**  
Lansing Wheelbarrow Co. (Bag; Barrel; Baggage; Box; Foundry; Rolling Mill; Store; Warehouse; Factory; Bacon; Ham; Carpet; Cotton; Dry Goods; Iron; Platform; Post-Office; Printers; Stevedores; Store; Wagon; Bottle Drawing) AAA

**MICH.—Morenci**  
Michigan Brick & Tile Mach. Co. (Brick) .....D

**MICH.—Northville**  
Dubuar Mfg. Co., J. A. (Barrel) .....X

**MICH.—Saginaw**  
Farmers' Handy Wagon Co. (Logging; Lumber) ....B

Michigan Wheelbarrow & Truck Co. (Logging; Lumber; Store; Warehouse; Factory) .....B

Morley Bros. (Inc.) (Timber) .....AA

Wickes Bros. (Inc.) (Dry Kiln) .....AAA

**MICH.—Three Rivers**  
Sheffield Car Co. (Electric Motor; Logging; Lumber; Foundry; Store; Warehouse; Street Car) ...AA

**MINN.—Faribault**  
Nutting Truck Co. (2, 3, 4 & 6 Wheeled Bag; Barrel; Baggage; Basket; Box; Store; Warehouse; Factory; Dry Goods; Platform) .....U

**MINN.—Minneapolis**  
Puffer-Hubbard Mfg. Co. (Store; Warehouse; Factory) .....C

**MINN.—Winona**  
Winona Wagon Co. (Header) .....AA

**MO.—St. Charles**  
St. Charles Car Co. (Warehouse) .....AAAA

**MO.—St. Louis**  
Amer. Car Co. (Steam; Electric) .....AAA

Amer. Car & Fdry. Co., 706 Chestnut (Car; Steam; Electric) .....AAAA

Amer. Steel Fdry. Co., 509 Olive (Steel; Steam; Electric) .....AAAA

Brownell Co., 2300 N. Bway. (Car; Steam; Electric) AAA

Commonwealth Steel Co., B'k of Commerce Bldg. (Cast Steel Car; Steam; Electric) .....AAA

Cooney Mfg. Co., P. J., 900 Cass Av. (Hook & Ladder) C

Fernholtz Brick Mach. Co., Boyle & Manchester Av. (Brick) .....D

St. Louis Car Co., 8090 N. Bway. (Car; Steam; Elec-

**TRUCKS (Con.)**

tric; Street) .....AAAA  
Whitman Agr'l Co., 6900 S. Bway. (Baggage; Brick; Store; Warehouse; Factory) .....AA

**N. H.—Laconia**  
Laconia Car Co. Wks. (Electric) .....AA

**N. H.—Manchester**  
Campbell, Jno. (Stove) ...H

**N. J.—Elizabeth**  
Stephenson Co., Jno. (Electric; Street) .....B

**N. J.—Grenloch**  
Bateman Mfg. Co. (Barrel) A

**N. J.—Paterson**  
Bogert-Carlough Co. (Steel; Store; Warehouse; Factory) .....F

**N. Y.—Albany**  
Dederick Son, P. K. (Brick; Tile) .....A

**N. Y.—Batavia**  
Johnson Harvester Co. (Binder) .....AAAA

**N. Y.—Brooklyn**  
Phillips, Doup & Co., 56 Pearl (Baggage; Iron Freight) .....C

**N. Y.—Buffalo**  
Buffalo Forge Co. (Timber) AAA

Buffalo Scale Co. (Bag; Barrel; Baggage; Store; Warehouse; Factory; Platform) .....AA

**N. Y.—Elmira**  
Amer. La France Fire Engine Co. (Hook & Ladder) Extension; Hook & Ladder) .....B

**N. Y.—Homer**  
Phoenix Hdw. Mfg. Co. (Barrel) .....D

**N. Y.—Hosick Falls**  
Wood Mowing & Reaping Mach. Co., W. A. (Binder) .....AAAA

**New York City**  
Fairbanks Co., 186 Elm (Bag; Baggage; Box; Pipe; Rolling Mill; Store; Warehouse; Factory; Wire Mill; Barrel; Bakers; Basket; Beam; Brick; Bul-

lion; Car; Coal; Dry Kiln; Foundry; Garbage; Laundry; Office; Paper Roll; Printers' Forms; Stove; Street Car; Tannery; Timber; Tip; Window Glass; Wire) .....AAAA

Hayward & Co., S. F. (Hook & Ladder Extension; Hook & Ladder) .....D

Koppel, Arthur, 66 Broad (Foundry) .....A

Peckham Mfg. Co., 26 Cortlandt (Steam; Electric) B

**N. Y.—Poughkeepsie**  
Adriance, Platt & Co. (Binder) .....AAAA

**N. Y.—Rochester**  
Stewart, A. F. & S. C. (Hook & Ladder) .....E

Yawman & Erbe Mfg. Co., (Bottlers') .....AA

**N. Y.—Seneca Falls**  
Rumsey & Co. (Ltd.) (Hook & Ladder) .....A

**N. Y.—Syracuse**  
Syracuse Chilled Plow Co. (Barrel; Store; Warehouse; Factory; Bag) AA

**N. Y.—Troy**  
Taylor Truck Co. (Electric) B

**N. Y.—Warsaw**  
Warsaw Elevator Co. (Bag; Baggage; Basket; Box; Foundry; Pipe; Store; Warehouse; Factory; Barrel; Brick; Dry Kiln; Stove; Timber) .....B

**N. C.—Statesville**  
Steele & Sons, J. C. (Brick; Tile) .....B

**OHIO—Bucyrus**  
Amer. Clay Working Machy. Co. (Brick; Tile; Box) ...X

**OHIO—Cincinnati**  
Day & Co., J. H. (Store;

**TRUCKS (Con.)**

Warehouse; Factory) ...A  
 Fay, J. A. & Egan Co.  
 (Machinery) .....AAAA  
 Lane & Bodley Co. (Log;  
 Timber) .....AA  
 Obermayer Co., S. (Stove)  
 AA  
 Tatum Co., Samuel C. (Bag;  
 Barrel; Dry Goods) ...B  
 Towsley Mfg. Co., Jno. T.  
 Evans N. of Gest (Log-  
 ging; Lumber; Store;  
 Warehouse; Factory) ...B  
 Zering Mfg. Co., H., 218  
 Charles (Store; Ware-  
 house; Factory) .....E

**OHIO—Cleveland**

Atlas Bolt & Screw Co.  
 (Brick; Logging; Lumber;  
 Rolling Mill; Store; Ware-  
 house; Factory; Wire Mill;  
 Barrel; Dry Kiln; Found-  
 ry) .....AA  
 Van Dorn & Dutton Co.,  
 1796 E. Madison Av.  
 (Electric) .....B

**OHIO—Columbus**

Case Mfg. Co. (Bag; Barrel)  
 A  
 Kilbourne & Jacobs Mfg. Co.  
 (Bag; Box; Foundry; Roll-  
 ing Mill; Store; Ware-  
 house; Factory; Coal; Ba-  
 con; Ham; Baggage;  
 Book; Bottlers'; Carpet;  
 Cotton; Dry Goods; Dye  
 House; Iron; Lumber;  
 Post Office; Printers';  
 Stevedores'; Stove; Wag-  
 on; Brick; Tile; Barrel;  
 Basket; Office) .....AAAA

**OHIO—Cuyahoga Falls**

Turner, Vaughn & Taylor  
 Co. (Brick; Wire Mill;  
 Store Warehouse) .....B

**OHIO—Dayton**

Barney & Smith Car Co.  
 (Steam; Electric) .....AAAA  
 City Forge & Iron Wks.  
 (Dry Goods; Warehouse;  
 Box) .....D  
 Raymond Co., C. W. (Brick;  
 Tile) .....A

**OHIO—Defiance**

Defiance Box Co. (Store;  
 Warehouse; Foundry), AA

**OHIO—Tremont**

Lehr Agr'l Co. (Bag; Barrel)  
 B

**OHIO—Hamilton**

Black Clawson Co. (Stuff  
 Box) .....AAA

**OHIO—Mansfield**

Barnes Mfg. Co. (Stove), A

**OHIO—New London**

Arnold-Creager Co. (Brick;  
 Tile) .....B

**OHIO—New Philadelphia**

Spicer Mfg. Co. (Rolling  
 Mill; Store; Warehouse;  
 Factory) .....C

**OHIO—Sidney**

Sidney Steel Scraper Co.,  
 (Store; Warehouse; Fac-  
 tory; Baggage) .....B

**OHIO—Springfield**

Foss Mfg. Co. (Bag; Barrel)  
 A

**OHIO—Wellington**

Wellington Machine Co.  
 (Brick) .....B

**PA.—Allegheny**

Carlin's Sons, Thos. (Block;  
 Log, Lumber) .....A  
 McKluney Mfg. Co. (Store;  
 Warehouse; Factory; Bar-  
 rel) .....AAA

**PA.—Elizabethtown**

Buch's Sons Co., A. (Bag) A

**PA.—Erie**

Standard Saw Mill Mchry.  
 Co. (Logging; Lumber) B

**PA.—Johnstown**

Lorain Steel Co. (Car; Elec-  
 tric; Steam) .....AAAA

**PA.—Lancaster**

Martin Brick Mach. Mfg.  
 Co., Henry (Brick; Tile;  
 Bag) .....B

**PA.—Lebanon**

Welmer Machine Wks. Co.  
 (Foundry; Ingot; Rolling  
 Mill) .....AA

**TRUCKS (Con.)**

PA.—Mechanicsburg  
 Comstock, Geo. S. (Bag) ..O  
 PA.—Muncy  
 Sprout, Waldron & Co.  
 (Bag) .....A

**PA.—Oil City**

Kramer Wagon Co. (Log-  
 ging; Lumber) .....A

**PA.—Philadelphia**

Brill Co., J. G., 62d &  
 Woodland Av. (Steam;  
 Electric) .....AAAA  
 Butterworth & Sons H. W.  
 (Dye House) .....A  
 Enterprise Mfg. Co. (Bar-  
 rel) .....AAAA  
 Paxson Co., J. W., 1021 N.  
 Del. Av. (Foundry) ...AA  
 Riehle Bros. Testing Ma-  
 chine Co. (Bag; Barrel;  
 Cotton; Baggage; Plat-  
 form) .....B  
 Sterlingworth Railway Sup-  
 ply Co. North Amer. Bldg.  
 (Rolled Steel, for Steam  
 Cars) .....B

**PA.—Pittsburg**

Jones & Laughlin Steel Co.  
 (Ltd.) (Foundry; Ingot;  
 Rolling Mill; Iron) AAAA  
 Pressed Steel Car Co. (Car;  
 Steam; Electric) ..AAAA  
 Standard Steel Car Co., Frick  
 Bldg. (Steel Frames; Steel  
 Underframes for Wooden  
 Cars) .....B

**PA.—Tatamy**

Messinger Mfg. Co. (Bag;  
 Barrel; Store; Warehouse;  
 Factory) .....B

**PA.—Wrightsville**

Wrightsville Hdw. Co.  
 (Bag) .....AAAA

**PA.—York**

Farquhar Co. (Ltd.) A. B.  
 (Bag; Barrel; Baggage;  
 Box; Store; Warehouse;  
 Factory; Dry Goods; Plat-  
 form) .....AAA  
 Keystone Farm Mach. Co.  
 (Ltd.) (Barrel) .....B

**TENN.—Jackson**

Southern Engine & Boiler  
 Wks. (Inc.) (Logging;  
 Lumber) .....AA

**TENN.—Knoxville**

Scotts Patent Brick Car Co.  
 (Brick) .....B

**TENN.—Memphis**

Chickasaw Iron Wks., 98 2d  
 (Logging; Lumber) ....A

**VT.—Rutland**

Howe Scale Co. (Bag; Bar-  
 rel; Baggage; Box; Store;  
 Warehouse; Factory; Car-  
 pet; Dry Goods) .....A

**VT.—St. Albans**

St. Albans Fdry. & Imple-  
 ment Co. (Bag) .....D

**VA.—Danville**

Horner Wagon Mfg. Co., W.  
 P. (Warehouse) .....D

Westbrooks Fdry. & Mach.  
 Co., J. B. (Store; Ware-  
 house; Factory) .....F

**VA.—Norfolk**

Whitehurst Co., R. W.  
 (Barrel; Store; Ware-  
 house; Factory; Bag; Bag-  
 gage; Stevedores'; Bag-  
 ket; Foundry; Stove) ..B

W. VA.—New Cumberland  
 Davis-Price Fdry & Machine  
 Co. (Brick) .....O

**WIS.—Kenosha**

Bain Wagon Co. (Logging;  
 Lumber) .....AAA

**WIS.—Milwaukee**

Baxley & Sons Co., Wm.,  
 732 Greenbush (Brick;  
 Logging; Lumber) .....X  
 Kleckhefer Elevator Co., A.

(Bacon; Ham; Bag; Bag-  
 gage; Barrel; Box; Car-  
 pet; Dry Goods; Factory;  
 Hog; Iron Freight; Iron;  
 Platform; Rubber Roll;  
 Stove; Warehouse) .....O

Melnecke & Son, A. (Will-  
 low; Laundry; Toy) ...AA

**WIS.—Racine**

Fish Bros. Wagon Co. (Log-

**TRUCKS (Con.)**  
ging; Lumber) .....AA  
**WIS.—Two Rivers**  
Hamilton Mfg. Co. (Printers') .....AA  
**WIS.—Wausau**  
Murray Mfg. Co., D. J. (Store; Warehouse; Factory) .....A

## TRUERS

**OHIO.—Dayton**  
Dayton Globe Iron Wrks. Co. (Stone) .....B

## TRUING

**MICH.—Detroit**  
Wheel Truing Brake Shoe Co. (Brake Shoe Wheel) .....D

**N. Y.—Buffalo**  
Car Wheel Truing Brake Shoe Co. (Brake Shoe Wheel) .....X

## TRUMPETS

**CONN.—Meriden**  
Meriden Britannia Co. (Fire) .....AAAA

**ILL.—Chicago**  
Haussmann & Dunn (Inc.) (Ear) .....O

**MASS.—Boston**  
Bailey & Co., C. J. (Rubber; Toy) .....B

Leach & Greene (Ear) ..F  
**N. Y.—New York City**  
Braxmar Co., C. G. (Fire) .....B

Cairns & Bro. (Fire) ....D  
International Silver Co., 9 Maiden Lane (Fire) .....AAAA

Mechanical Rubber Co. (Fire) .....AAAA

## TRUNKS

**DEL.—Wilmington**  
Deleware Hard Fibre Co. (Vulcanized; Fibre) ....A

Vulcanized Fibre Co. (Vulcanized; Fibre) ..AAAA  
**ILL.—Chicago**

Fitzgerald Trunk Co. (Sample; Sole Leather) ....A  
Hartmann Trunk Co., 198 Jack, Boul. ....A

Haskell Bros. (Sample) ..A  
Western Leather Mfg. Co. (Sample) .....D

Wilt, Chas. T. (Sample; Shoe Leather) .....B  
**MAINE.—Kennebunk**

Leatheroid Mfg. Co. (Sample) .....A  
**MASS.—Boston**

Cummings' Son & Co., Josiah (Rawhide; Vulcanized Fibre; Steel) .....C  
**MASS.—Westfield**

Crane Bros. (Linenoid)AAA  
**N. J.—Harrison**  
Headley & Farmer Co. (Sole Leather) .....A

**N. J.—Newark**  
Caille Co., P. (Sole Leather) .....D

Goldsmith & Son, L. ....AA  
Hager & Co. (Sole Leather) .....H

Peddle & Co. (Inc.) T. B. (Sample; Sole Leather; Toy) .....AA

**N. Y.—Buffalo**  
Buffalo Trunk Mfg. Co. ..B  
**New York City**

Boyle & Co., John, 112 Duane .....AA  
Crouch & Fitzgerald (Sample; Sole Leather) ....A

Drucker & Co., N. ....A  
Headley & Farmer Co., 14 Astor Pl. ....A

Lissa & Co., Henry (Sample; Sole Leather) .....B  
Peddle & Co., T. B., 368 B'way .....AA

**N. Y.—Rochester**  
Likly & Co., Henry (Sample) .....A

## TRUNKS (Con.)

**OHIO.—Cincinnati**  
Drucker & Co. (Sample) ..A  
Mendel & Co. ....B

**OHIO.—Columbus**  
Lilly Co., M. C. ....AAAA  
Stallman, F. A. (Dresser) .....O

**PA.—Philadelphia**  
Twitchell S. (Carboy) ..A  
**VA.—Richmond**

Rountree & Bro., H. W. .A  
**WIS.—Milwaukee**  
Abel & Bach Co. (Sole Leather) .....AA

Burrongs & Sons, Geo. ..B  
Meincke & Son, A. (Toy) .....AA

Romadka Bros. & Co. ....AA

## TRUSSES

**CAL.—San Francisco**  
Hatteroth W. ....B  
**ILL.—Chicago**

Bowles, F. A. ....D  
Common Sense Truss Co. (Surgical) .....D

Haussman & Dunn (Surgical) .....O  
Wolfertz, Robt. ....E

**IND.—Indianapolis**  
Armstrong & Co., Wm. K. (Surgical) .....B  
**KANS.—Lawrence**

Victor Suspender Mfg. Co. ....D  
**KANS.—Topeka**

Smith Co. (Surgical) ....B  
**KY.—Covington**  
Ohio Scroll & Lumber Co. (Twisted; Piano) .....D

**LA.—New Orleans**  
McDermott Surgical Instrument Co. (Surgical) ....D  
**MASS.—Boston**

Codman & Shurtleff (Surgical) .....O  
Phelps & Co., W. H. ....D

White & Co., O. W. ....A  
**MINN.—St. Paul**  
Noyes Bros. & Outler .....AAAA

**NEBR.—Omaha**  
Paxton & Vierling Iron Wrks. (Roof) .....AA

**N. Y.—Adams**  
Rice W. L. (Dr.) .....O  
**N. Y.—Lockport**

Empire Mfg. Co. (Surgical; Elastic) .....A  
**New York City**

Pall Mall Electric Assn., 870 B'way (Electric) ..F  
Pomeroy Co. (Surgical) ..B

**N. Y.—Rochester**  
Fuller Co., Geo. R. (Surgical) .....E  
**OHIO.—Cincinnati**

Ohio Truss Co. ....C  
**OHIO.—Cleveland**  
Hessler Truss Co., E. M. ....D

Kins, Bridge Co. (Roof) .....AAAA  
**OHIO.—Taleu**

Werum Bros. (Surgical) .....H  
**PA.—Philadelphia**

Ellis & Sons Co., Geo. D. (Surgical) .....O  
Flavell & Bro., G. W. (Surgical) .....A

Hastings & McIntosh Truss Co. (Surgical; Elastic; Hard Rubber; Leather Covered) .....B

Horn & Bro., Wm. H. (Surgical; Hard Rubber; Leather Covered; Surgical Elastic) .....B

Phila. Truss & Bandage Co. (Surgical; Hard Rubber; Leather Covered) .....X

Phoenix Bridge Co. (Roof) .....A  
Seeley, Isaac B. (Elastic) .....F

**PA.—Pittsburg**  
Felck Bros. Co. (Surgical) .....D



**TRUSSES (Con.)**

**PA.—Steeleton**  
**Penna. Steel Co. (Roof)** AAAAA  
**TENN.—Memphis**  
 Chickasaw Iron Wrks. (Roof) .....A  
**WIS.—Milwaukee**  
 International Truss & Artificial Limb Co. ....E  
 Sauer, J. W. ....D

**TRYERS**

See Triers

**TUBES**

See also Tubing

**CONN.—Ansonia**  
 Ansonia Brass & Copper Co. (Seamless Brass; Seamless Copper; Bronze) AAAAA  
**CONN.—Bridgeport**  
 Bridgeport Deoxidized Bronze & Metal Co. (Bronze) .....B  
 Bridgeport Brass Co. (Brass; Locked Seam; Seamless Brass; Copper; Seamless Copper) .....A  
**CONN.—Hartford**  
 Pope Mfg. Co. (Boiler) AAAAA  
**CONN.—New Haven**  
 English & Mersick Co. (Speaking) .....B  
**CONN.—New London**  
 New England Collapsible Tube Co. (Collapsible) A  
**CONN.—Seymour**  
 Seymour Mfg. Co. (Brass; Copper) .....AAAA  
**CONN.—Torrington**  
 Coe Brass Mfg. Co. (German Silver) .....AAAA  
**CONN.—Waterbury**  
 Benedict & Burnham Mfg. Co. (Brass; Seamless Brass; Copper; Seamless Copper) .....AAAA  
 Holmes, Booth & Haydens (Inc.) (Brass; Seamless Brass; Copper) .....AAAA  
 Plume & Atwood Mfg. Co. (Brass; Bronze; Copper) AAA  
 Randolph & Clowes Co. (Brass; Bronze; Copper; Seamless Copper) .....AAAA  
 Scovill Mfg. Co. (Brass) AAAAA  
 Waterbury Brass Co. (Brass; Copper) .....AAAA  
**ILL.—Chicago**  
 Bealy & Co., Chas. H. (Boiler) .....AA  
 Birtman Co., C. F. (X Ray; accessories) .....C  
 Bostedo Pneumatic Tube Co., 159 La Salle (Pneumatic) .....B  
 Chicago Paper Tube & Can Co., 20 N. May (Paper; for Mailing; Electrical Purposes, &c.) .....X  
 Joseph, Jesse, 40 Dearborn (Mailing) .....J  
 Ritchie & Co. W. C. (Paper; Mailing) .....A  
 Western Box Co. (Mailing) E  
 Whitman & Barnes Mfg. Co. (Rubber Grain Drill) AAAAA  
**IND.—Alexandria**  
 Lippincott Glass Co. (Glass) A  
**MASS.—Boston**  
 Amer. Tube Wrks. (Brass; Seamless Brass; Copper; Seamless Copper) .....AAA  
 Ashton Valve Co. (Glass) A  
 Boston Belting Co., 256 Devonshire (Grain Drill) AAAAA  
 Eyelet Tool Co. (Punch) X  
 Lamson Cons. Store Service Co. (Pneumatic Cash) AAAAA

**TUBES (Con.)**

**National Tube Wks. Co.**  
 (Locomotive Boiler) AAAAA  
 Star Brass Mfg. Co. (Glass; Water Gauge) .....A  
 Swett & Lewis Co. (X-Ray; Accessories) .....E  
 U. S. Mailing Case Co. (Wooden; Mailing) ....F  
 Walworth Mfg. Co. (Boiler) AAAAA  
**MASS.—Cambridge**  
 Lamb & Ritchie (Speaking) AA  
 McElroy, P. J. (Sick-Feeding; Glass) .....E  
**MASS.—New Bedford**  
 Fairport Corp'n. (Mailing; &c.; Paper Cap) .....AA  
**MASS.—North Dighton**  
 Lincoln & Co., L. (Paper Mailing) .....D  
**MASS.—Westfield**  
 Crane Bros. (Fibre) .....AAA  
**MICH.—Detroit**  
 Detroit Copper & Brass Rolling Mills (Brass; Copper) .....AAAA  
 Detroit Paper Tube & Can Co. (Mailing; Tin End Cans; &c.) .....F  
**MO.—St. Louis**  
 Bobe, P., 2711 Lemp Av. (Test Inhaling) .....C  
**NEBR.—Omaha**  
 Crane Co. (Boiler) .....A  
 N. J.—Paterson  
 Buckley's Son, Benj. (Spinning) .....E  
 McNab & Harlin Mfg. Co. (Brass; Copper) .....AAA  
 N. Y.—Brooklyn  
 Gair Co., R., Washn. (Paper Mailing) .....A  
 Thompson & Norris Co. (Mailing) .....AA  
 New York City  
 Amer. Tube & Stamping Co., 20 Gold (Pneumatic) AAAAA  
 Ashcroft Mfg. Co. (Glass; Water Gauge) .....A  
 Bunnell & Co., J. H., 20 Park Pl. (Speaking) B  
 Consolidated Fruit Jar Co., 290 B'way (Collapsible) AA  
 Edison Phonograph Agency (X-Ray; Accessories) D  
 Ford, T. P. (Mailing) D  
 Goodyear Rubber Co. (Exercising) .....AAAA  
 Goodyear's Ind. Rubber Glove Mfg. Co. (Exercising) .....AAAA  
 Hungerford Brass & Copper Co., U. T., Boiler; Seamless Brass; Seamless Copper) .....AA  
 Imp't'g Mailing Case Co. (Mailing) .....F  
 Johns-Manville Mfg. Co., H. W. (Asbestos) .....AAAA  
 Leng's Son & Co., John S., 4 Fletcher (Hydraulic Seamless Steel) .....E  
 Manhattan Brass Co. (Brass) .....A  
 Manhattan Electrical Supply Co., 32 Cortlandt (Speaking) .....AA  
 Miles Pneumatic Tube Co., 1123 B'way (Pneumatic) D  
 N. Y. Belting & Packing Co. (Grain Drill) .....AAAA  
 Ostrander & Co., W. B., 22 Dey (Speaking) .....A  
 Pearsall Pneumatic Tube & Power Co., 52 B'way (Pneumatic) .....D  
 Plume & Atwood Mfg. Co., 29 Murray (German Silver) .....AAAA  
 Reilly Repair Supply Co., Jas., 229 West (Pneumatic) .....AA  
 Remington Arms Co. (Gun) A  
 Seabury & Johnson (Antiseptic) .....AA  
 Soltman, E. G., 125 E. 42d

**TUBES (Con.)**

(for Mailing; Drawing; Pasteboard) .....B  
 Stoutenborough, X. (Speaking) .....D  
 Union Paper Co., 844 Washington (Mailing; also Cans; Boxes; &c.) ....B  
 U. S. Mailing Tube Co., 122 Centre (Mailing) .....D  
 Van Wagoner & Linn Construction Co., 27 W. 24th (Speaking) .....D  
 Walsh Mfg. Co., Owen, 19 Roosevelt (Speaking) ...D  
 Ware R. F., 108 Park Row (Paper Mailing) .....D  
 Western Electric Co., 57 Bethune (Speaking) .....AAAA

**N. Y.—Rome**  
 Rome Brass & Copper Co. (Brass) .....AAAA  
**N. Y.—Syracuse**  
 Pass & Seymour (Porcelain) A  
**N. Y.—Utica**  
 Jones, Frank L. (Milking) C

**OHIO—Akron**  
 Akron Machine Co. (Grain Drill) .....X

**OHIO—Canton**  
 Berger Mfg. Co. (Speaking) F

Canton Steel Roofing Co. (Speaking) .....A

**OHIO—Cleveland**  
 Cleveland Wire Spring Co. (Grain Drill Wire) ....A

**OHIO—East Liverpool**  
 Thomas & Sons Co., R. (Porcelain; Electrical) ..C

**OHIO—Steubenville**  
 La Belle Iron Wrks. (Boiler) .....AAAA

**OHIO—Youngstown**  
 Pollock Co., Wm. B. (Boiler) .....AA

**PA.—Coatesville**  
 Coatesville Rolling Mill Co. (Boiler) .....AAAA

Worth Bros. Co. (Boiler) AA

**PA.—Erie**  
 Erie City Iron Wrks. (Boiler) .....AAAA

**PA.—Malvern**  
 Bishop & Co., J. (Platinum) .....D

**PA.—Middletown**  
 Amer. Tube & Iron Co. (Boiler; Butt Welded Boiler; Locomotive Boiler; AAAA

**PA.—Philadelphia**  
 Berger Bros. Co., 237 Arch (Speaking) .....A

Brown, Jr., James (Paper; Worsted Mailing Tubes; Cones) .....F

Elliot & Co., A. G., 607 Chestnut (Mailing; &c.) A

Ivins, Elwood (Seamless Speaking; Brass; Copper) F

Noll & Co., E. P., 9 N. 6th (Mailing; &c.) .....D

Pilling & Son, Geo. P. (Milking) .....C

Wirz, A. H. (Collapsible) A

**PA.—Pittsburg**  
 Byers & Co., A. M. (Boiler) B

Monongahela Tube Co., Ferguson Blk. (Boiler) ....A

National Tube Co., Frick Bldg. (Boiler; Hydraulic Seamless Steel) ..AAAA

Pittsburg Tube Co. (Boiler) B

Pittsburg Reduction Co. (Aluminum) .....AAAA

Shelby Steel Tube Co. Hydraulic Seamless Steel) AAAA

**PA.—Reading**  
 Reading Iron Co. (Boiler; Lap Welded; Boiler) AAAA

**PA.—Washington**  
 Tyler Tube & Pipe Co.

**TUBES (Con.)**

(Boiler) .....A  
**VT.—Fair Haven**  
 Dalrymple, Geo. (Draft) ..E

**TUBING**

See also Tubes

**CONN.—Ansonia**  
 Ansonia Brass & Copper Co. (Brass; Copper; Bronze; German Silver; Iron Lined) .....AAAA

**CONN.—Bridgeport**  
 Amer. Tube & Stamping Co. (Bicycle; Brass Lined; Seamless Steel; Brass; Copper) .....AAAA

Bridgeport Brass Co. (Brass; Copper; German Silver; Zinc) .....AAA

Canfield Co., H. O. (Rubber) .....B

**CONN.—Bristol**  
 Bristol Brass Co. (Brass Brazed; German Silver) AAA

Edgerton, M. D. (Cotton Knit) .....C

**CONN.—Derby**  
 Birmingham Brass Co. (Brass; Copper) .....A

**CONN.—Hartford**  
 Hartford Rubber Wrks. Co. (Rubber) .....AAAA

Pope Mfg. Co. (Steel) AAAA

**CONN.—New Britain**  
 Union Mfg. Co. (Wooden) AA

**CONN.—New Haven**  
 Seamless Rubber Co. 356 Congress Av. (Rubber) AA

**CONN.—Seymour**  
 Seymour Mfg. Co. (Brass; Copper; German Silver) AAA

**CONN.—Torrington**  
 Coe Brass Mfg. Co. (Brass; Copper; Bronze; German Silver; Iron Lined) AAAA

**CONN.—Waterbury**  
 Benedict & Burnham Mfg. Co. (Brass; Copper; Brass; Copper, Nickel Condenser; Plumbers' Seamless; in Brass; Copper; Nickel Silver; Zinc; German Silver) .....AAAA

Holmes, Booth & Haydens Co. (Brass; Copper; German Silver; Zinc) .....AAAA

Plume & Atwood Mfg. Co. (Brass; Copper; German Silver; Zinc) .....AAA

Randolph-Clowes Co. (Brass; Copper; Bronze; Silver; German Silver; Zinc) AAA

Scovill Mfg. Co. (Aluminum; Brass; Copper; Bronze; German Silver; Zinc) .....AAAA

Waterbury Brass Co. (Brass; Copper; German Silver; Zinc; Bronze) AAAA

Wells & Co., A. H. (Brass; Copper) .....B

**DEL.—Elsmere**  
 Diamond State Fibre Co. (Hard Fibre) .....B

**DEL.—Wilmington**  
 Am. Vulcanized Fibre Co. (Hard Fibre) .....AAAA

**GA.—Macon**  
 Steven's Sons Co., H. (Well) .....A

**ILL.—Chicago**  
 Braun, J. G., 322 S. Paulina (Square; Seamless Steel) .....A

Orane Co. (Well) .....AAAA

Mechanical Rubber Co. (Rubber) .....AAAA

Marsh & Co. James P. (Steel) .....B

Morgan & Wright (Inc.) 333 W. Lake (Hard Rubber) AA

**TUBING (Con.)**

**ILL.—Kewanee**  
Western Tube Co. (Square;  
also Rectangular) ..AAAA  
**IOWA—Des Moines**  
Iowa Pipe & Tile Co. (Well)  
A  
**MASS.—Andover**  
Tyler Rubber Co. (Rubber)  
AA  
**MASS.—Attleboro**  
Makepeace & Co., D. E.  
(Jewelers') .....A  
**MASS.—Boston**  
Amer. Tube Wrks., 137  
Milk (Brass; Copper;  
Plumbers' Seamless; in  
Brass; Copper; Nickel Sil-  
ver) .....AAA  
Boston Belting Co. (Rubber;  
Beer; Cloth Insertion; So-  
da) .....AAAA  
Davidson Rubber Co.  
(Rubber) .....A  
National Tube Co. (Oil  
Well) .....AAAA  
Revere Rubber Co., 63  
Franklin (Rubber) AAAA  
**MASS.—Malden**  
Niedner, Chas. H. (Cotton;  
Electric) .....D  
**MASS.—New Bedford**  
Pairpoint Corp'n. (Glass;  
for Electrical Use) ...AA  
**MASS.—Westfield**  
Crive Bros. (Linenoid)  
AAA  
**MICH.—Bay City**  
Michigan Pipe Co. (Wood-  
en; Pump) .....AA  
**MICH.—Detroit**  
Detroit Copper & Brass  
Rolling Mill Co. (Brass;  
Copper) .....AAAA  
**MO.—St. Joseph**  
St. Joseph Pump & Mfg. Co.  
(Steel Pump; Wood  
Pump) .....B  
**MO.—St. Louis**  
Flower & Co., Walter L.,  
721 Oliver (Flexible;  
Flexible Metallic) .....E  
**N. J.—Harrison**  
New Jersey Tube Co.  
(Brass; Copper; Steel)  
A  
**N. J.—Jersey City**  
N. J. Car Spring & Rubber  
Co. (Rubber) .....AA  
Voorhees Rubber Mfg. Co.,  
18 Bostwick Av. (Rubber)  
B  
**N. J.—Trenton**  
Consolidated Rubber Co.  
(Rubber) .....B  
Crescent Belting & Packing  
Co. (Corrugated; Plain  
Rubber) .....A  
Empire Rubber Mfg. Co.  
(Rubber; Cloth Insertion)  
AA  
Hamilton Rubber Mfg. Co.  
(Rubber) .....A  
Home Rubber Co. (Rubber;  
Beer; Rubber; Gas; Soda)  
AA  
Mercer Rubber Co. (Rubber)  
A  
Stokes Rubber Co., Joseph  
(Rubber) .....A  
Trenton Rubber Mfg. Co.  
(Rubber; Beer; Soda) ..A  
United & Globe Rubber Mfg.  
Co., of Ironton (Rubber)  
AAA  
Whitehead Bros. Rubber Co.  
(Rubber) .....A  
**N. Y.—Brooklyn**  
Almond Mfg. Co., T. R.,  
83 Washington (Flexible  
Steel) .....C  
**N. Y.—Buffalo**  
Buffalo Weaving & Belting  
Co. (Cotton; for Carrying  
Electric Wires Under  
Heat) .....A  
**N. Y.—Croton-on-Hudson**  
Croton Mfg. Co. (Brass) ..D  
**N. Y.—Elmira**  
Wyckoff & Son Co., A.  
(Wooden) .....B  
**N. Y.—Lockport**  
Empire Mfg. Co. (Cotton;  
Electric) .....A

**TUBING (Con.)**

**New York City**  
Amer. Hard Rubber Co., 9  
Mercer (Rubber) ..AAAA  
Eagle Tube Co., 41 Dey  
(Steel) .....B  
Goodyear Rubber Co. (Rub-  
ber) .....AAAA  
Goodyears' Ind. Rub. Glove  
Mfg. Co. (Rubber) .....AAAA  
Gutta Percha & Rubber  
Mfg. Co. (Rubber; Beer;  
Cloth Insertion; Hard  
Rubber; Soda) .....AAAA  
Hungerford Brass & Copper  
Co., U. T., 479 Pearl  
(Seamless Brass; Copper;  
Brass Plain; Tinned Con-  
denser; Zinc) .....AA  
International Automobile &  
Vehicle Co., 346 B'way  
(Rubber) .....B  
Johns-Manville Mfg. Co., H.  
W. (Flexible) .....AAAA  
Leng's Son & Co., John S.,  
4 Fletcher (Bicycle; Seam-  
less Steel) .....B  
Manhattan Brass Co., 338 E.  
28th (Brass; Copper;  
Bronze; Iron Lined;  
Zinc) .....A  
Manhattan Rubber Mfg. Co.,  
18 Vesey (Rubber) ..AA  
New York Belting & Pack-  
ing Co. (Ltd.) 25 Park  
Place (Rubber) .....AAAA  
New York Gas Tubing Co.,  
97 Bank (Flexible) ....D  
New York Rubber Co., 48  
Reade (Rubber; Cloth  
Insertion) .....AA  
Parker, Stearns & Sutton  
Rubber) .....B  
Peerless Rubber Mfg. Co.,  
16 Warren (Rubber) ..AA  
Traun Rubber Co., 335  
B'way (Rubber) .....E  
Vulcanized Rubber Co., 568  
B'way (Hard Rubber) ..A  
**N. Y.—Rome**  
Rome Brass & Copper Co.  
(Brass; Copper) ..AAAA  
Rome Tube Co. (Seamless;  
Braze) .....B  
**N. C.—Pomona**  
Pomona Terra Cotta Co.  
Well) .....B  
**OHIO—Akron**  
Goodrich Co., B. F. (Rub-  
ber; Hard Rubber; Flex-  
ible) .....AAAA  
Whitman & Barnes Mfg. Co.  
(Rubber) .....AAAA  
**OHIO—Cleveland**  
Cleveland Galvanizing Wrks.  
(Steel Pump; Well) ....O  
Federal Mfg. Co., Amer.  
Trust. Bldg. (Steel)  
AAAA  
Standard Welding Co. (Au-  
tomobile; Seamless Steel)  
AA  
Strong, Carlisle & Hammond  
Co., 61 Frankfort Brass;  
Copper) .....A  
**OHIO—Mansfield**  
Mansfield Machine Wrks.  
(Steel) .....A  
**OHIO—Staubenville**  
La Belle Iron Wrks. (Steel  
Pump) .....AAAA  
**OHIO—Toledo**  
Standard Steel Tube Co.  
(Steel) .....C  
**OHIO—Youngstown**  
Republic Rubber Co. (Rub-  
ber) .....AA  
Youngstown Iron Sheet &  
Tube Co. (Bedstead Iron  
or Steel; Seamless Steel)  
AAAA  
**PA.—Anburn**  
Delaware Seamless Tube Co.  
(Rubber) .....A  
**PA.—Beaver**  
Pittsburg Seamless Tube Co.  
(Seamless Steel) .....X  
**PA.—Danville**  
Danville Structural Tubing  
Co. (Structural) .....A  
**PA.—Ellwood City**  
Standard Seamless Tube Co.  
(Seamless Steel) .....B

**TUBING (Con.)**

**PA.—Erie**  
Continental Rubber Wrks.  
(Rubber) .....A  
**PA.—Jeannette**  
Penn. Rubber Co. (Rub-  
ber) .....H  
**PA.—Malvern**  
Bishop & Co., J. (Plati-  
num) .....D  
**PA.—Middletown**  
Amer. Tube & Iron Co.  
(Well; Oil Well; Pump) .....AAAA  
**PA.—Philadelphia**  
Ivins, Elwood (Seamless  
Aluminum; Brass; Cop-  
per; Platinum; Seamless  
Steel Tool; Seamless Sil-  
ver; Steel Pump; Alumi-  
num; Steel; Atomizer; Bi-  
cycle; Cold Drawn Square;  
German Silver; Gold;  
High; Low; Carbon Steel;  
Hypodermic Needle; Nick-  
el; Seamless Bronze;  
Seamless Lead; Tin;  
Steel; Silver) .....F  
Janney, Steinmetz & Co.  
Drexel Bldg. (Cold Drawn  
Steel) .....D  
Justice & Co., Philip S., 14  
N. 5th (Imported Seam-  
less Steel) .....D  
Merchant & Co. (Inc.) 517  
Arch (Brass; Copper) .AA  
Rudolf & Summerill Tubing  
Co., 302 N. Broad (Cop-  
per; Aluminum) .....E  
**PA.—Pittsburg**  
National Tube Co. (Bicycle;  
Seamless Steel; Well)  
.....AAAA  
National Supply Co.  
(Wrought Iron) .....AAAA  
Shelby Steel Tube Co.,  
Frick Bldg. (Bedstead;  
Bicycle; Automobile; Iron  
Steel; Cold Drawn  
Square; Seamless Steel)  
.....AAAA  
Spang, Chalfant & Co.  
(Oil Well) .....AAAA  
**PA.—Reading**  
Reading Iron Co. (Well;  
Oil Well) .....X  
**R. I.—Providence**  
Amer. Electrical Wrks.  
(Flexible Gas) .....AAAA  
Atlantic Tubing Co. (Flexi-  
ble; Gas) .....X  
Davol Rubber Co., 69 Paint  
(Rubber) .....AA  
Holt Co., A. (Jewelers') ..E  
**VT.—Johnson**  
Stearns & Son, O. W.  
(Wooden) .....C  
**WIS.—Kenosha**  
Chicago Brass Co. (Brazed  
Brass) .....AA

**TUBS**

See also Woodenware;  
Baths

**CAL.—San Francisco**  
Gladding, McBean & Co.  
(Glazed Fire Clay Laun-  
dry) .....AA  
**CONN.—New Haven**  
Peck Bros. & Co. (Bath;  
Copper Bath; Laundry)  
.....AA  
**ILL.—Chicago**  
Allis-Chalmers Co., Home  
Ins. Bldg. (Hoisting;  
Dumping Steel Hoisting;  
Self-Filling) .....AAAA  
Chicago Slate & Mantel Co.,  
282 S. Clinton (Slate  
Laundry) .....X  
Clow & Sons, Jas. B., 342  
Franklin (Slate Laundry;  
Soapstone) .....AAA  
Creamery Package Mfg. Co.  
(Butter) .....AAA  
Cribben & Sexton Co.  
(Enamelled; Bath; Iron  
Bath; Enamelled Iron;  
Laundry) .....AA  
Hardin, Jno., 4543 Cottage  
Grove Av. (Artificial  
Stone Laundry) .....A

**TUBS (Con.)**

Sherman & Flavin, 2515  
State (Soapstone Laun-  
dry) .....B  
Wolff Mfg. Co., L., 117 W.  
Lake (Slate Laundry;  
Soapstone; Porcelain;  
Bath) .....AAAA  
**ILL.—Edwardsville**  
Illinois Marble Co. (Slate  
Laundry; Soapstone) ...C  
**ILL.—Elgin**  
Elgin Butter Tub Co. (But-  
ter) .....A  
**IOWA.—Burlington**  
Murray Iron Wrks. Co.  
(Scalding) .....A  
**ILL.—Keokuk**  
McElroy Iron Wrks. Co.  
(Scalding) .....F  
**MAINE.—Bath**  
Monson Consolidated Slate  
Co. (Slate Laundry) ..X  
**MD.—Baltimore**  
Weiskittle & Son, A.  
(Enamelled; Bath) ....A  
**MASS.—Boston**  
Amer. Slate Co. (Inc.) cor.  
Somerset & Beacon (Slate  
Laundry) .....X  
Mathews Consolidated Slate  
Co., 199 Wash'n Slate  
Laundry) .....X  
Monson Maine Slate Co., 118  
Devonshire (Slate Laun-  
dry) .....X  
Strater & Sons, Herman  
(Brewers' Mash) .....A  
Troy Bros. & Co., 91 Ha-  
venhill (Soapstone Laun-  
dry) .....O  
Union Soapstone Co., 14  
Marshall (Slate Laundry;  
Soapstone) .....O  
**MASS.—Lawrence**  
Horne Sons Co., J. H.  
(Bleaching) .....A  
**MASS.—Lowell**  
Entwistle Co., T. C. (Dye)  
.....B  
Lowell Slate Co. (Slate) .....X  
**MASS.—Westfield**  
Crane Bros. (Linenoid;  
Bath) .....AAAA  
**MICH.—Detroit**  
Day Metallic Mfg. Co.  
(Bath) .....B  
**MINN.—Minneapolis**  
Bonsfield Woodenware Co.  
(Wash; Woodenware) ..A  
**MINN.—St. Paul**  
Amer. Holst & Derrick Co.  
(Hoisting; Dumping)  
.....AAA  
**MO.—St. Louis**  
Cahill-Swift Mfg. Co. (Cop-  
per; Bath) .....B  
Evans & Howard Fire Brick  
Co., 920 Market (Glazed  
Fire Clay Laundry) .....AAAA  
Nelson Mfg. Co., N. O.  
(Bath) .....AAAA  
**N. H.—Keene**  
Beaver Mills (Wash; Wood-  
en) .....A  
**N. J.—Burlington**  
Stewart & Peterson Co.  
(Porcelain; Bath) ....A  
**N. J.—Hoboken**  
Union Iron Wrks (Hoisting;  
Dumping) .....O  
**N. J.—Trenton**  
Maddock Sons Co., Thos.,  
(Stoneware Laundry) .....AA  
Trenton Potteries Co. (Por-  
celain; Bath; Solid White  
Crocery; Laundry) .....AAA  
**N. Y.—Albany**  
Dedrick's Sons, P. K.  
(Hoisting; Dumping; Self-  
Dumping) .....A  
**N. Y.—Brooklyn**  
Phillips, Doup & Co., 56  
Pearl (Hoisting; Dump-  
ing) .....O  
Robinson Stoneware Co., 244  
Greenpoint Av. (Artificial  
Stone Laundry; Soap-  
stone) .....D

# **TUBS (Con.)**

N. Y.—Buffalo  
Shepard & Co., Sidney (Galvanized; Wash) ..AAAA  
N. Y.—Kingston  
Adams, E. G. (Artificial Stone Laundry) .....F  
N. Y.—Long Island City  
Stulbner, G. L. (Hoisting; Dumping; Steel Hoisting Self-Dumping) .....B  
New York City  
Alberene Stone Co., 393 Pearl (Soapstone Laundry) .....B  
Biesecker, J. S. (Butter) O  
Cordley & Hayes (Fibre; Fibre Wash) .....A  
Fairbanks Co., 416 Broome (Hoisting) .....AAAA  
Hunt Co., C. W., 45 B'way (Hoisting; Dumping; Self-Filling) .....AA  
Irwin R. M. Co., 103 Chambers (Folding Bath) ...X  
Koppel, Arthur, 68 Broad (Hoisting; Dumping) ..A  
Koven & Bros. L. O., 50 Cliff (Hoisting) .....A  
Leavitt & Co., C. W., 15 Cortlandt (Hoisting; Dumping) .....B  
Mead & Co. Jno. A., 11 Bway. (Hoisting; Dumping) .....AA  
Meyer-Sniffin Co. (Ltd.) (Wash; Bath) .....A  
Mott Iron Wks., J. L., (Bath; Enamelled; Iron; Porcelain) .....AA  
N. J. Fdry. & Machine Co., 13 Murray (Hoisting; Dumping) .....D  
New York Slate Wks., 493 E. 138th (Slate Laundry) D  
Ronalds & Johnson Co. (Bath; Copper Bath) AA  
Steeger, Henry (Cooper; Bath) .....A  
Stoutenborough, X. (Bath) D  
Trageser Steam Copper Wks. Jno. (Copper; Bath; Enamelled; Steel Bath; Copper Lined) .....A  
N. Y.—Niagara Falls  
Dobbie Fdry. & Machine Co. (Hoisting; Dumping) ..D  
N. Y.—Oswego  
Cowmeadow Mfg. Co., John (Indurated Fibre Bath; Steel Bath) .....D  
OHIO—Cincinnati  
Gibson Co., Thos. (Porcelain; Bath) .....D  
Hauser, Bremer & Fath Co. (Brewers' Fermenting; Wash) .....B  
Littleford Bros., 453 E. Pearl (Hoisting; Dumping) .....B  
Tatum Co., Samuel C. (Wash) .....B  
OHIO—Cleveland  
Brown Hoisting Mehry. Co., 1345 St. Clair (Hoisting; Dumping) .....AAAA  
Norcross Co., 269 W. River (Euclid Stone Laundry) A  
OHIO—Columbus  
Jeffrey Mfg. Co. (Hoisting; Dumping) .....AAAA  
OHIO—Dayton  
Marblethic Co. (Artificial Stone Laundry) .....X  
OHIO—Mansfield  
Humphreys Mfg. Co. (Crockery; Laundry) .....B  
OHIO—Miamisburg  
Acme Folding Boat Co. (Folding; Bath) .....B  
OHIO—Nelsonville  
Nelsonville Fdry. & Mach. Co. (Self-Dumping) ....B  
OHIO—Salem  
Clark Co., W. J. (Hoisting; Dumping; Steel Hoisting; Self-Dumping; Metallic; Factory) .....A  
OHIO—Warren  
Day-Ward Co. (Bath; Copper Bath; Enamelled

# **TUBS (Con.)**

Bath) ..... B  
PA.—Bangor  
Bangor Crescent Slate Co. (Slate Laundry) ..... B  
Bangor Slate Co. (Slate Laundry) ..... D  
Flory Mfg. Co., S. (Hoisting; Dumping) ..... A  
PA.—Coatesville  
Coatesville Boiler Wks. (Hoisting; Dumping) ..AA  
PA.—Delta  
Peerles Slate Co. (Slate Laundry) ..... B  
PA.—East Bangor  
East Bangor Consolidated Slate Co. (Slate Laundry) AA  
PA.—Easton  
Penna Structural Slate Co. (Slate Laundry) ..... B  
PA.—Lynnport  
Ontalaunee Slate Mfg. Co. (Slate Laundry) ..... C  
PA.—Philadelphia  
McCambridge & Co. (Ltd.) (Wash; Copper; Enamelled Bath) ..... B  
Middleton, Edw. H., 4527 Hedge (Hoisting; Dumping) ..... X  
Miller & Co. Joseph S. (Laundry) ..... B  
Mills & Bros., Thos. (Ice Cream) ..... A  
Stambach & Love, 50 N. 7th (Soapstone Laundry) A  
Woolford Wood Tank Mfg. Co., Geo. (Wooden Brewers' Mash; Wooden Acid; Wooden Dye) .....B  
PA.—Pittsburg  
Riter-Conly Co. (Brewers' Mash) ..... AAA  
Pittsburg Reduction Co., Smith Bldg. (Seamless Aluminum) .....AAAA  
Standard Mfg. Co. (Enamelled; Bath; Iron Bath; Laundry; Enamelled Iron; Laundry) ..... AA  
PA.—Pottstown  
Pelican Slate Mfg. Co. (Slate Laundry) ..... E  
PA.—Sharon  
Sharon Boiler Wks. (Hoisting; Dumping; Self-Dumping) ..... A  
PA.—Slatington  
McKenna, David (Slate Laundry) ..... B  
Provident Slate Co. (Slate Laundry) ..... B  
Slatington Slate Co. (Slate Laundry) ..... B  
Washington Slate Co. (Slate Laundry) ..... C  
PA.—Walnutport  
Hahn, Granville (Slate Laundry) ..... B  
B. I.—Bridgeton  
Hopkins Mach. Wks. (Dye) X  
VT.—Fair Haven  
Allens' Sons, S. (Slate Laundry) ..... D  
Fair Haven Marble & Marbleized Slate Co. (Slate Laundry) .....B  
Pelkey, W. H. (Slate Laundry) ..... B  
VT.—Poultney  
Fleming Slate Co. (Slate Laundry) ..... C  
VA.—Arvonnia  
Williams Slate Co. (Slate Laundry) ..... B  
VA.—Richmond  
Richmond Cedar Wks. (Ltd.) (Cedar; Wash) AAAA  
WIS.—Menasha  
Menasha Woodenware Co. (Wash; Wooden) .... AA  
WIS.—Racine  
Gold Medal Camp Furniture & Novelty Co. (Folding Bath) .....B  
WIS.—Sheboygan  
Kohler Son Co., J. N. (Enamelled Bath) ....A

## TUCKINGS

See Millinery

## TUGS

See also Boats; Ships

**DND.**—Lafayette  
Dienhart Harness Co.  
(Hame) ..... N  
**IND.**—La Porte  
Lonn & Sons Co., Jno.  
(Hame) ..... A  
**N. J.**—Newark  
Peters' Harness & Saddlery  
Co. (Hame) ..... O  
**OHIO**—Canton  
Elbel Co. (Hame) .... A

## TUMBLERS

See also Barrels; Machy;  
Glassware

**ILL.**—Harvey  
Whiting Fdry. & Equipment  
Co. (Foundry) ..... AA  
**IND.**—Marion  
Canton Glass Co. (Glass) B  
**MD.**—Cumberland  
Maryland Glass Etching  
Wks. (Glass; Jelly) .... O  
**OHIO**—Newark  
Heisey & Co., A. H.  
(Glass) ..... A  
**PA.**—Beaver Falls  
Co-operative Flint Glass Co.  
(Glass) ..... A  
**PA.**—Coraopolis  
Consolidated Lamp & Glass  
Co. (Glass) ..... A  
**PA.**—Philadelphia  
Gillinder & Sons (Glass) A  
**PA.**—Pittsburg  
McKee Glass Co. (Glass), B  
National Glass Co. (Glass;  
Jelly) ..... X  
U. S. Glass Co. (Glass) ..... AAAA  
**PA.**—Washington  
Duncans & Miller Glass Co.  
(Glass) ..... A  
**W. Va.**—Moundsville  
Fostoria Glass Co. (Glass) ..... AAA  
**W. VA.**—Wellsburg  
Eagle Glass & Mfg. Co.  
(Glass) ..... A  
**W. VA.**—Wheeling  
Central Glass Wks. (Glass) ..... A

## TURBINES

See also Engines; Wheels

**CAL.**—San Francisco  
Hendy Machine Wks.,  
Joshua (Water Wheel) ..... AA  
**COLO.**—Denver  
Mine & Smelter Supply Co.  
(Water Wheel) ..... AAAA  
**CONN.**—West Stafford  
Bradway Mach. Wks., C.  
P. (Water Wheel) .... F  
**GA.**—Atlanta  
De Loach Mill Mfg. Co.  
(Water Wheels) ..... B  
**GA.**—Rome  
Davis Fdry. & Machine  
Wks. (Water Wheel) .. X  
**ILL.**—Chicago  
Sullivan Machinery Co., 185  
Adams (Water Wheel) ..... AAAA  
**IND.**—Logansport  
Dowling & Co., Wm.  
(Water Wheel) ..... A  
**IOWA**—Dubuque  
Dubuque Turbine & Roller  
Mill Co. (Water Wheel) ..... B  
**MD.**—Baltimore  
Poole Engineering & Ma-  
chine Co. (Water Wheel) ..... AA  
**MASS.**—Fitchburg  
Putnam Machine Co.  
(Water Wheel) ..... A  
**MASS.**—Holyoke  
Holyoke Machine Co.  
(Water Wheel) .... AA  
Jolly, J. & W. (Water

## TURBINES (Con.)

(Wheel) ..... A  
**MASS.**—Lowell  
Nichols, Albert F., 157  
Willie (Water Wheel) D  
**MASS.**—Orange  
Chase Turbine Mfg. Co.  
(Water Wheel) ..... A  
Hunt, Rodney Machine Co.  
(Water Wheel) ..... A  
**MASS.**—Pittsfield  
Jones & Sons Co., E. D.  
(Water Wheel) ..... B  
**N. H.**—Brentwood  
Robinson, A. J. (Water  
Wheel) ..... D  
**N. H.**—Keene  
Humphrey Machine Co.  
(Water Wheel) ..... O  
**N. J.**—Bartley  
Bartley & Sons, Wm.,  
(Water Wheel) ..... D  
New York City  
De Laval Steam Turbine  
Co. 76 Cortlandt (Steam) ..... AA  
Westinghouse, Church, Kerr  
& Co., 8 Bridge (Steam) ..... A  
**N. Y.**—Oswego  
Kingsford Fdry. & Machine  
Wks. (Water Wheel) ..... AAAA  
**N. Y.**—Schenectady  
General Electric Co.  
(Steam) ..... AAAA  
**N. Y.**—Syracuse  
Dunning, W. D., 329 W.  
Water (Water Wheel) ..... AA  
**N. C.**—Greensboro  
Glascock & Sons, G. T.  
(Water Wheel) ..... D  
Sergeant Mfg. Co. (Water  
Wheel) ..... D  
**N. C.**—Winston Salem  
Salem Iron Wks. (Water  
Wheel) ..... A  
**OHIO**—Dayton  
Dayton Globe Iron Wks.  
Co. (Water Wheel) .... B  
**OHIO**—Springfield  
Leffel & Co., James  
(Water Wheel) ..... AA  
Trump Mfg. Co. (Water  
Wheel) ..... A  
**PA.**—Allentown  
Allentown Fdry. & Ha-  
chine Wks. (Inc.) (Water  
Wheel) ..... A  
**PA.**—Christiana  
Cristiana Machine Co.  
(Water Wheel) ..... B  
**PA.**—Glen Rock  
Norris, Burnham & Co.  
(Water Wheel) ..... B  
**PA.**—Philadelphia  
Wood & Co., R. D., 400  
Chestnut (Water Wheel) ..... AAAA  
**PA.**—Pittsburg  
Westinghouse Machine Co.  
(Steam) ..... AAAA  
**PA.**—Reading  
Reading Fdry. Co. (Water  
Wheel) ..... X  
**PA.**—York  
Smith Co., S. Morgan  
(Water Wheel) .... AAA  
**R. I.**—Pawtucket  
Fales & Jenks Machine Co.  
(Water Wheel) .... AAA  
**VT.**—Montpelier  
Lane Mfg. Co. (Water  
Wheel) ..... A  
**WIS.**—Appelton  
Valley Iron Wks. Co.  
(Water Wheel) ..... O

## TUREENS

**CONN.**—Meriden  
Manning, Bowman & Co.  
(Soup) ..... AA  
**CONN.**—Wallingford  
Wallace & Sons Mfg. Co.,  
R. (Soup) ..... AAAA  
**MO.**—St. Louis  
St. Louis Stamping Co.  
(Soup) ..... AAAA  
New York City  
International Silver Co., 9  
Maiden Lane (Silver  
Plated) ..... AAAA

**TUREENS (Con.)**  
 Lalance & Grosjean Mfg.  
 Co. (Soup) ..... AAAA

## TURMERIC

**ILL.—Chicago**  
 Fuller & Fuller (Ground)  
 3A

## TURNBUCKLES

**CAL.—San Francisco**  
 Payne's Bolt Wks., 121  
 Howard (Wrought Iron) A

**CONN.—Hartford**  
 Stirling Blower & Pipe  
 Mfg. Co. .... A

**CONN.—New Britain**  
 Corbin, P. & F. .... AAAA

**CONN.—Unionville**  
 Upson Nut Co. (Wrought  
 Iron) ..... AAAA

**DEL.—Wilmington**  
 Diamond Slate Steel Co.  
 (Wrought Iron) ..... X

**ILL.—Chicago**  
 Continental Bolt & Iron  
 Wks., 22nd & Union  
 (Wrought Iron) ..... A

**Kropp & Co., A., 52 Law**  
 (Wrought Iron) ..... E

**Republic Iron & Steel Co.,**  
 Stock Exch. Bldg.  
 (Wrought Iron) ..... AAAA

**MD.—Baltimore**  
 National Supply Co., 7 W.  
 Lombard (Wrought Iron) C

**MASS.—Boston**  
 Boston Bolt Co., 31 Pur-  
 chase (Wrought Iron) C

**New England Bolt & Nut**  
 Co., 253 Atlantic Av.  
 (Wrought Iron) ..... B

**MICH.—Detroit**  
 Michigan Bolt & Nut Wks.  
 (Wrought Iron) ..... AA

**MO.—Kansas City**  
 Kansas Bolt & Nut Co.  
 (Wrought Iron) ..... A

**MO.—St. Louis**  
 Leschen & Sons Rope Co.,  
 A., 920 N. 1st (Wrought  
 Iron) ..... AA

**Moran Bolt & Nut Mfg.**  
 Co. (Wrought Iron) .. A

**N. J.—Newark**  
 Strieby & Foote Co. . . B

**N. Y.—Brooklyn**  
 Merrill Bros., 465 Kent Av.  
 (Wrought Iron) ..... A

**New York City**  
 Hall's Sons, Saml., 229 W.  
 10th (Wrought Iron) A

**Sargent & Co., 151 Leonard**  
 AAAA

**Tiebout, W. & J., 118 Cham-**  
 bers ..... B

**N. Y.—Portchester**  
 Russell, Burdsall & Ward  
 Bolt & Nut Co. (Wrought  
 Iron) ..... AAAA

**N. Y.—Syracuse**  
 Central City Bolt Co.  
 (Wrought Iron) .... C

**OHIO.—Cincinnati**  
 Cinn. Railway Supply Co.,  
 13 E. 2nd (Wrought Iron) A

**Cinn. Screw & Tap Co. A**  
**OHIO.—Cleveland**  
 Cleveland City Forge &  
 Iron Co., 67 Case Av.  
 (Wrought Iron) .... AA

**Columbus Bolt Wks.**  
 (Wrought Iron) ..... B

**PA.—Atglen**  
 Chalfant Hdw. Mfg. Co. X

**PA.—Lebanon**  
 Amer. Iron & Steel Mfg. Co.  
 (Wrought Iron) .. AAAA

**PA.—Philadelphia**  
 Berger Bros. Co., 231 Arch  
 Hoopes & Townsend  
 Co., 1330 Buttonwood  
 (Wrought Iron) .... AAA

**PA.—Pittsburg**  
 Jones & Laughlin Steel Co.  
 (Ltd.) (Wrought Iron)  
 AAAA

**TURNBUCKLES (Con.)**  
 Lanz & Sons, M. .... AA  
 Pittsburg Mfg. Co., 28th  
 & R. R. (Wrought Iron) A

**PA.—Williamsport**  
 Williamsport Wire Rope Co. A

**R. I.—Pawtucket**  
 Haskell Mfg. Co., Wm. H.  
 (Wrought Iron) .... AA

**Pawtucket Mfg. Co. (Drop**  
 Forged; Wrought Iron) A

**R. I.—Providence**  
 Rhode Island Tool Co. AAA

## TURNERS

**CONN.—Bridgeport**  
 Knapp & Cowles Mfg. Co.  
 (Cake) ..... C

**CONN.—Unionville**  
 Humphreys, H. W. (Cake)  
 D

**CONN.—Wallingford**  
 Wallace & Sons Mfg. Co.,  
 E. (Cake) ..... AAAA

**ILL.—Chicago**  
 Barbee Wire & Iron Wks.  
 (Pie) ..... B

**ILL.—Freeport**  
 Arcade Mfg. Co. (Cake) .. A

**IND.—Columbus**  
 Reeves & Co. (Log) AAAA

**IND.—Indianapolis**  
 Chandler & Taylor Co. (Log)  
 AA

**IOWA.—Cedar Falls**  
 Wagner Mfg. Co. (Cake) E

**MASS.—Boston**  
 New England Novelty Mfg.  
 Co. (Pie) ..... H

**MICH.—Kalamazoo**  
 Hill & Co., Wm. E.  
 (Steam; Log) ..... B

**MICH.—Ludington**  
 Handy Things Co. (Cake) C

**N. Y.—Buffalo**  
 Shepard & Co., Sidney  
 (Cake) ..... AAAA

**New York City**  
 Dickinson, Jno. (Est of)  
 64 Nassau (Paper Cal-  
 ender Roll) ..... B

**Lalance & Grosjean Mfg.**  
 Co. (Cake) ..... AAAA

**Pond Machine Tool Co.**  
 Grindstone) ..... AAAA

**Sargent & Co., 151 Leonard**  
 (Cake) ..... AAAA

**OHIO.—Ravenna**  
 Williams, A. C. (Cake) A

**OHIO.—Warren**  
 Trumbull Mfg. Co. (Log) C

**PA.—Philadelphia**  
 Stow Flexible Shaft Co.  
 (Crank Pin) ..... B

**R. I.—Providence**  
 Brown & Sharpe Mfg. Co.  
 (Grindstone) .... AAAA

**TENN.—Jackson**  
 Southern Engine & Boiler  
 Wks. (Log) ..... AA

**VT.—Montpelier**  
 Lane Mfg. Co. (Log) .. A

**WIS.—Milwaukee**  
 Allis-Chalmers Co. (Steam  
 Log) ..... AAAA

**Filler & Stowell Co., Ltd.**  
 (Log; Steam Log) .. AAAA

## TURNINGS

**CONN.—Clinton**  
 Kelsey, Horatio (Ship) .. E

**ILL.—Chicago**  
 Boynton & Co., 67 W.  
 Washn. (Automatic Wood)  
 Ehnborn & Co., C., 214 S.  
 Clinton (Electrical Wood)  
 G

**IOWA.—Cedar Falls**  
 Harris & Cole Bros. (Auto-  
 matic Wood; Electrical  
 Wood) ..... AA

**KY.—Covington**  
 Ohio Scroll & Lumber Co.  
 (Electrical Wood) .... D

**N. H.—Milford**  
 Pierce & Co., W. E. (Auto-

**TURNINGS (Con.)**

matic Wood; ..... D  
**New York City**  
 New York Carved Milling  
 Co., 771 1st. Av. (Auto-  
 matic Wood; Electrical  
 Wkcs. .... D  
**PA.—Corry**  
 Mahle & Son (Ltd.) C.  
 A. (Variety Automatic  
 Wood) ..... F  
**R. I.—Providence**  
 Amer. Enamel Co. (Auto-  
 matic Wood; Artistic;  
 Novelty Small Turned;  
 Electrical Wood) .... B  
 Union Hdw. & Electric Sup-  
 ply Co. (Electrical Wood,  
 of all kinds) ..... A

**TURNS**

**MICH.—Grand Rapids**  
 Hdw. Supply Co. (Cup-  
 board) ..... X  
**New York City**  
 Peck, Stow & Wilcox Co.  
 (Cupboard) ..... AAAA  
 Russell & Erwin Mfg. Co.,  
 43 Chambers (Bell; Cup-  
 board) ..... AAAA  
 Sargent & Co., 151 Leonard  
 (Bell; Cupboard) AAAA  
**OHIO—Cleveland**  
 Taylor & Boggis Fdy. Co.  
 (Cupboard) ..... AA  
**PA.—Reading**  
 Reading Hdw. Co. (Bell;  
 Cupboard) ..... AAAA

**TURNSTILES**

**New York City**  
 Amer. Passementerie Fac-  
 tory (H. Chajes, Prop.),  
 85 Worth ..... F  
 Fliske Iron Wks., J. W.,  
 39 Park Place ..... B  
**OHIO—Cleveland**  
 Bright, H. V., 66 Clark-  
 wood Av. .... C

**TURNTABLES**

**ALA.—Selma**  
 Peacocks Iron Wks. .... X  
**DEL.—Wilmington**  
 Edgemoor Iron Co. (Iron;  
 Steel) ..... AAA  
 Lobdell Car Wheel Co.  
 (Sharp) ..... AAAA  
**ILL.—Harvey**  
 Buda Fdry. & Mfg. Co. B  
 Whiting Fdry. Equipment  
 Co. (Bridge; Railroad) AA

**KANS.—Leavenworth**  
 Missouri Valley Bridge &  
 Iron Co. .... B  
**KY.—Louisville**  
 Louisville Bridge & Iron  
 Co. .... A  
**MASS.—Boston**  
 Boston Bridge Wks.  
 (Bridge; Railroad) ... AA  
 Sturtevant Co., B. F.  
 (Shop) ..... AAAA  
**MICH.—Bay City**  
 Industrial Wks. .... AA  
**MICH.—Detroit**  
 Bryant & Co. (Shop) ... D  
 Northern Engineering Wks.  
 (Mine; Shop) ..... A  
**MINN.—Minneapolis**  
 Peteler Portable Railway  
 Mfg. Co. (Portable) .. C  
**N. J.—Hoboken**  
 N. J. Switch & Crossing  
 Co. .... A  
**N. J.—Paterson**  
 Passaic Steel Co. (Bridge;  
 Railroad) ..... A  
**New York City**  
 Amer. Bridge Co. of N. Y.,  
 100 Bway. (Bridge; Rail-  
 road) ..... A  
 Koppel, Arthur, 66 Broad  
 (Narrow Gauge; Bridge;  
 Railroad; Mine; Shop) A  
**N. Y.—West New Brighton**  
 Hunt Co., C. W. (Shop) AA  
**OHIO—Cuyrus**

**TURNTABLES (Con.)**

Amer. Clay Working Co. X  
**OHIO—Canton**  
 Canton Fdry. & Mach. Co.  
 (Bridge; Mine; Railroad) B  
**OHIO—Cleveland**  
 Atlas Bolt & Screw Co.  
 (Overhead; Bridge Rail-  
 road) ..... AA  
 Bowler Fdry. Co. .... B  
 King Bridge Co. (Iron;  
 Steel) ..... AAAA  
**OHIO—Columbus**  
 Kilbourne & Jacobs Mfg.  
 Co. (Bridge; Railroad) AAAA  
**OHIO—Massillon**  
 Massillon Bridge Co. .... A  
**PA.—Allegheny**  
 Carbins' Sons, Thos. (Nar-  
 row Gauge; Bridge Rail-  
 road) ..... A  
**PA.—Allentown**  
 Allentown Rolling Mills  
 .... AAA  
**PA.—Beaver Falls**  
 Penn. Bridge Co. .... AA  
**PA.—Lancaster**  
 Martin Brick Mach. Mfg.  
 Co., Henry ..... B  
**PA.—Nazareth**  
 Nazareth Fdry. & Mach. Co.  
 (Shop) ..... B  
**PA.—Philadelphia**  
 Brill Co., J. G. (Street Car)  
 .... AAAA  
 Harrington Son & Co., Edw.,  
 1511 Penna Av. (Over-  
 head) ..... AA  
 Link Belt Engineering Co.  
 (Bridge; Railroad) .. AA  
 Phoenix Bridge Co. (Iron;  
 Steel; Portable; Street  
 Car) ..... A  
 Roberts Co., A. & P. (Iron;  
 Steel) ..... AAAA  
 Sellers & Co. (Inc.), Wm.,  
 16th & Hamilton (Pivot;  
 Bridge; Portable; Shop;  
 Street Car; Railroad;  
 Mine) ..... AAAA  
 Wharton, Jr. & Co. (Inc.),  
 Wm. .... AAA  
**PA.—Pittsburg**  
 Carnegie Steel Co. (Ltd.)  
 .... AAAA  
**PA.—Reading**  
 Reading Crane & Hoist  
 Wks. (Overhead) .... A  
**PA.—South Bethlehem**  
 Bethlehem Fdry. & Mach.  
 Co. (Shop) ..... C

**TURPENTINE**

**ALA.—Coffee Springs**  
 Sellers & Co., W. B. .... B  
**ALA.—Dothan**  
 Carmichael, D. .... B  
**ALA.—Elba**  
 Duval, M. W. .... D  
**ALA.—Rutledge**  
 Frot, Watson & Co. .... D  
**ALA.—Sellersville**  
 Sellers, Bullard & Co. .. B  
**ALA.—Wager**  
 Lewis, D. R. & W. P. .. D  
**FLA.—Albion**  
 Medlin & Co., J. L. .... AA  
**FLA.—Bellevue**  
 Hall & Pope ..... B  
**FLA.—Bonifay**  
 Alford Bros. .... B  
**FLA.—Bristol**  
 Covington & Co., A. D. AA  
**FLA.—Carters**  
 Carter, W. J. .... A  
**FLA.—Caryville**  
 Godwin & Co., E. M. .. B  
**FLA.—Cleveland**  
 Heckman, Gear & Co. .. B  
**FLA.—Dade City**  
 Braydon, McWhite & Co. C  
**FLA.—Dunnellon**  
 Wiggs & Co., W. H. ... AA  
**FLA.—Fairfield**  
 Wade, McNair & Co. .. A  
**FLA.—Gretna**  
 Riley & Co., W. G. .... C  
**FLA.—Montbrook**  
 Flynn & Co., D. M. .... AA



**TURPENTINE (Con.)**

FLA.—Port Richey  
 Sessions, Johnson & Co. AA  
 FLA.—Rock Bluff  
 Daisy Co. .... AA  
 FLA.—Tallahassee  
 Lutherloh, R. B. .... B  
 FLA.—Woodville  
 Williams & Co. .... A  
 FLA.—York  
 Horne, Lewis & Co. .... C  
 GA.—Ailey  
 Riddle, J. A. .... D  
 GA.—Allajaha  
 Baker, J. H. .... C  
 GA.—Autryville  
 Autry, D. A. .... C  
 GA.—Bainbridge  
 Callahan, J. W. .... A  
 GA.—Bickley  
 Hinson & Co. .... B  
 GA.—Bingham  
 Kirkland & Gaskins .... D  
 GA.—Bladen  
 Ward, J. A. .... C  
 GA.—Egypt  
 Foy Mfg. Co., E. E. .. A  
 GA.—Evergreen  
 Dorminey, Warren & Co. B  
 GA.—Fales  
 Tanner, B. H. .... B  
 GA.—Fargo  
 Georgia Pine Turpentine Co. D

GA.—Gomez  
 Moody & Co., Daniel .... D  
 GA.—Hartsfield  
 Spivey & Co., J. F. .. C  
 GA.—Hilton Station  
 McLaren & Co., J. A. ... A  
 GA.—Homerville  
 Reagler, H. J. .... C  
 GA.—Irwinville  
 Barber Bros. .... A  
 GA.—Laff  
 Gray & Co., Geo. T. .... C  
 GA.—Lexay  
 Youmans & Co., J. C. .. D  
 GA.—Lollie  
 Pritchett & Co., Geo. E. ... A  
 GA.—Lothair  
 Pritchett, W. .... A  
 GA.—Meigs  
 Carter, J. N. .... C  
 GA.—Millen  
 Parker, H. W. .... D  
 GA.—Moultrie  
 Barber, Sessions & Co. ... B  
 Barber & Co., W. H. .... B  
 Holmes & Co. .... B  
 Smith & Co., W. H. .... A  
 Spivey, J. F. .... C  
 Vereen, W. O. .... A  
 Vereen & Smith .... A  
 GA.—Mystic  
 Drew & McNeill .... B  
 GA.—Nashville  
 Brown, E. G. .... B  
 GA.—Nelwood  
 Robertson & Jones .... D  
 GA.—Nielly  
 Smith, T. J. .... D  
 GA.—Ocilla  
 Powell-Bullard & Co. .... A  
 GA.—Olympia  
 West Yellow Pine Co. .... C  
 GA.—Pfeiffer  
 Pfeiffer, C. B. (Est of) B  
 GA.—Phillips Mill  
 Talum & Holland .... D  
 GA.—Reynolds  
 Barber & Rawl .... C  
 GA.—Rochelle  
 Walker, Johnathan .... D  
 GA.—Rothersay  
 Watson & Co., A. M. .... C  
 GA.—Shepherd  
 Lott, J. S. .... C  
 GA.—Thomasville  
 Watson & Gibson .... B  
 GA.—Vienna  
 Peacock & Kelley .... C  
 GA.—White Oak  
 McKimmon, L. F. & G. S. ... C  
 GA.—Willacoochee  
 O'Berry Sons & Co., J. E. B  
 GA.—Willingham  
 Alford, C. A. .... A  
 LA.—Covington  
 Jones & Pickett. .... D

**TURPENTINE (Con.)**

LA.—Independence  
 Holliday & Co. .... AA  
 N. C.—Angier  
 Williams, J. C. & B. F. ... D  
 N. C.—Newbern  
 Ellis, Mrs. E. B. .... D  
 N. C.—Wilmington  
 Spiritine Chemical Co.  
 (Wood Spirit) ..... C  
 S. C.—Conway  
 Burroughs & Collins Co. AA

**TURQUOISE**

See Jewelry

**TURRETS**

CONN.—Bridgeport  
 Bullard Mach. Tool Wks.  
 (Screw Machine) .... AA  
 CONN.—Winsted  
 Carter & Hakes Machine  
 Co. .... D  
 OHIO.—Cleveland  
 Warner & Swasey Co.  
 (Screw Machine) ..... A  
 VT.—Springfield  
 Jones & Lamson Mach. Co.  
 (Screw Machine) .... AA

**TWEEDS**

See Woolen Goods

**TWEEZERS**

CONN.—Plainville  
 Clark & Son, A. N. .... B  
 MASS.—Attleboro  
 Blake Co., James E. .... A  
 MASS.—Springfield  
 Bullock Mfg. Co. .... A  
 Parker, E. M. (Printers') F  
 N. H.—Lebanon  
 Kendrick & Davis .... A  
 N. J.—Newark  
 Celluloid Co. .... B  
 N. Y.—Brooklyn  
 Wesel Mfg. Co., F. .... X  
 New York City  
 Hoe & Co., R. .... AAAA  
 Walbridge Co., J. H., 337  
 Bway. .... B  
 R. I.—Providence  
 Bens Co., Wm. .... C

**TWILLS**

See Cotton Goods

**TWINE**

See Cordage

**TWIST**

See also Silk

CONN.—Mansfield Center  
 Hanks, P. G. (Machine) .. B  
 CONN.—New London  
 Brainerd & Armstrong Co.  
 (Machine) ..... AAAA  
 CONN.—Norfolk  
 Aetna Silk Co. (Machine), B  
 CONN.—Putnam  
 Hammond, Knowlton & Co.  
 (Machine) ..... A  
 CONN.—Turnersville  
 Turner & Co., P. W.  
 (Machine) ..... X  
 CONN.—Willimantic  
 Holland Mfg. Co. (Ma-  
 chine) ..... AA  
 CONN.—Winsted  
 Salter Silk Co. (Machine) B  
 Winsted Silk Co. (Machine) A  
 MASS.—Boston  
 Eureka Silk Mfg. Co.  
 (Machine) ..... A  
 MASS.—Florence  
 Nonotuck Silk Co. (Ma-  
 chine) ..... AAAA  
 MASS.—Holyoke  
 Skinner Mfg. Co., Wm.  
 (Machine) ..... AA  
 MICH.—Belding  
 Belding Bros. & Co. (Inc.)

**TWIST (Con.)**  
 (Tram; Machine)...AAAA  
 Richardson Silk Co. (Machine) ..... AA  
 N. Y.—Kenwood  
 Oneida Community (Ltd.)  
 (Machine) ..... AAA  
**PA.—Philadelphia**  
 Hackenbush & Co., W. B.  
 (Machine) ..... B  
 Hooley & Son, B. (Tram) B

## TWISTERS

**CONN.—Stonington**  
 Atwood-Morrison Co. (Silk) AA  
**MASS.—Boston**  
 Riley & Co., C. E., 65  
 Franklin (Cotton; Wool  
 Yarn) ..... A  
 Stoddard, Hasek, Rich-  
 ards & Co., 152 Congress  
 (Cotton) ..... B  
**MASS.—Hopedale**  
 Draper Co. (Cotton).....AAAA  
**MASS.—Lowell**  
 Lowell Machine Shop (Cot-  
 ton; Wool) .....AAAA  
**MASS.—Newton Upper Falls**  
 Saco & Pettee Machine  
 Shops (Cotton).....AAAA  
**MASS.—Whitinsville**  
 Whitin Machine Wks (Cot-  
 ton) .....AAAA  
 Whitinsville Spinning Ring  
 Co. (Cotton) .....AA  
**MASS.—Worcester**  
 American Card Clothing Co.  
 (Wool) .....AAA  
 Brownell, Geo. L. (Cordage;  
 Cotton; Silk; Wool)....D  
 Cleveland Machine Wks.  
 (Wool) .....A  
 N. J.—Passaic  
 Lyall, J. & W. (Cordage).A  
 N. J.—Paterson  
 Royle & Sons, Jno. (Silk)  
 A

**OHIO—Cincinnati**  
 Obermayer Co., S. (Straw  
 Rope) .....AA  
**PA.—Philadelphia**  
 Diamond Textile Machine  
 Wks., 2d & Diamond  
 (Cotton) .....E  
 Smith Woolen Machinery  
 Co., James, 411 Race  
 (Wool) .....AA  
**R. I.—Pawtucket**  
 Fales & Jencks Machine Co.  
 (Wool) .....AAA  
 Howard & Bullough Ameri-  
 can Machine Co. (Ltd.)  
 (Cotton) .....AAA  
 Pawtucket Spinning Ring  
 Co. (Cotton) .....D  
**R. I.—Providence**  
 Franklin Machine Co. (Cot-  
 ton) .....A  
 Providence Machine Co.  
 (Cotton) .....AA

## TYPE

**ILL.—Chicago**  
 Barnhart Bros. & Spindler,  
 187 Monroe (Body; Metal)  
 AA  
 Inland Type Foundry.....A  
 Superior Rubber Type Co.  
 (Rubber) .....C  
**MD.—Baltimore**  
 Dorman Co., J. F. W. (Rub-  
 ber) .....F  
**MASS.—Boston**  
 Hansen, H. C. (Metal)...B  
**MASS.—Springfield**  
 Smith Mfg. Co., R. H., 293  
 Main (Rubber; Rubber  
 Metal Bodied) .....C  
**MICH.—Ludington**  
 Tubbs Mfg. Co. (Wooden)  
 B  
 N. Y.—Middletown  
 Hamilton Mfg. Co. (Wood-  
 en) .....AA  
 Morgan & Wilcox Mfg. Co.  
 (Wooden) .....C  
 New York City  
 Bruce Type Foundry  
 (Metal) .....A  
 Force & Co., Wm. A., 50

**TYPE (Con.)**  
 Beekman (Rubber) ....B  
 Ingersoll & Bro., Robert H.  
 51 Maiden Lane (Rubber)  
 A  
 Ness, Jr., Geo. M. (Brass;  
 Steel) .....H  
 New York Stencil Wks  
 (Steel) .....D  
 Stewart & Holman (Rub-  
 ber; Metal Bodied) ....D  
**OHIO—Cambridge**  
 Crescent Seal & Stamp Co.  
 (Rubber) .....H  
**PA.—Philadelphia**  
 Hill Mfg. Co., B. B., 1020  
 New Market (Rubber)...B  
**WIS.—Milwaukee**  
 Schwaab Stamp & Lead Co.  
 (Steel) .....C  
**WIS.—Two Rivers**  
 Hamilton Mfg. Co. (Brass;  
 Wooden) .....AA

## TYPERS

**OHIO—Springfield**  
 Downey & Co., W. O.  
 (Fodder) .....C

## TYPEWRITERS

See also Machy

**CONN.—Derby**  
 Williams Typewriter Co...B  
**CONN.—Hartford**  
 Underwood Typewriter Co.  
 AAA  
**CONN.—Stamford**  
 Blickensderfer Mfg. Co.  
 AA  
**ILL.—Chicago**  
 Fay-Sholes Co. ....AA  
 Oliver Typewriter Co., 107  
 Lake .....AA  
**IOWA—Des Moines**  
 Jewett Typewriter Co. ...A  
**MICH.—Grand Rapids**  
 Fox Machine Co. ....A  
 N. Y.—Ithaca  
 Ithaca Gun Co. ....B  
 New York City  
 American Typewriter Co. of  
 Va., 265 B'way .....D  
 American Writing Machine  
 Co., 343 B'way .....AA  
 Columbia Typewriter Mfg.  
 Co., 56 Reade .....AA  
 Densmore Typewriter Co.,  
 309 B'way .....B  
 Elliot-Fisher Co. (Book)...A  
 Franklin Typewriter Co.,  
 812 Greenwich .....D  
 Hammond Typewriter Co.,  
 165 B'way .....D  
 Lambert Typewriter Co.,  
 1274 B'way .....D  
 R. & G. Typewriter Co.,  
 229 B'way .....E  
 Remington Typewriter Co.,  
 327 B'way .....A  
 Simplex Typewriter Co.,  
 644 1st Av. ....D  
 Sun Typewriter Co., 229  
 B'way .....C  
 N. Y.—Syracuse  
 Smith Premier Typewriter  
 Co. ....AAAA  
**PA.—Pittsburg**  
 Pittsburg Writing Machine  
 Co., 208 Wood .....D

## ULSTERS

See Clothing: Men's

## ULTRA-MARINE

**New York City**  
 Ansbacher & Co., A. B.  
 AAA  
 Heller & Merz Co. ....AA  
 International Ultramarine  
 Wks. (Ltd.) 71 Duane..A  
 Tiemann & Co., D. F....A

## UMBRELLAS

**MD.—Baltimore**  
 Gans Bros. (& Parasols) A

**UMBRELLAS (Con.)**

**MASS.—Boston**  
 Moxey, Gill & Howlett...B  
**MASS.—Springfield**  
 Burgin Bros. (Wagon)...F  
**MICH.—Detroit**  
 Newland, Henry A. Co...B  
**MO.—St. Louis**  
 Dougherty Bros. Tent &  
 Awning Co. (Wagon)...C  
 Zittlosen Mfg. Co. (Wagon)  
 B  
**New York City**  
 Arnold, Schiff & Co., 54  
 White (Cotton; Silk; &  
 Parasols) .....B  
 Schloss Bros. (& Parasols)  
 B  
 Shields & Co., J. S., 596  
 B'way .....B  
**OHIO—Cincinnati**  
 Kuhn, E. C. (& Parasols) B  
**OHIO—Dayton**  
 Cappel, A. (& Parasols), B  
**OHIO—Fremont**  
 Lehr Agricultural (Wagon)  
 B  
**OHIO—Norwalk**  
 Sprague Umbrella Co. (Ad-  
 vertising; Campaign; So-  
 ciety) .....B  
**OHIO—Plain City**  
 Moulton Wireless Umbrella  
 Co. ....C  
**OHIO—Toledo**  
 Hettrick Bros. Co. (Wagon)  
 C  
**OHIO—Troy**  
 Troy Carriage Sunshade Co.  
 (& Parasols) .....B  
**PA.—Lancaster**  
 Foller Clogg & Co. (& Para-  
 sols) .....AAA  
 Rose Bros. & Co. ....B  
**PA.—Philadelphia**  
 Fretz, S. S., Mfg. Co. (&  
 Parasols, all grades) AAA  
 Hirsh & Bro. (& Parasols)  
 A  
 Moxey, Howlett & Co. (&  
 Parasols) .....B

**UNDERSKIRTS**

See Clothing: Ladies'

**UNDERWEAR**

**ALA.—Huntsville**  
 Rowe Knitting Co., W. H.  
 (Men's & Boy's Fleece  
 Lined) .....B  
**CAL.—Los Angeles**  
 Coulter Dry Goods Co.  
 (Muslin) .....A  
 Cohn, Goldwater & Co.  
 (Canton Flannel Draw-  
 ers) .....B  
**CAL.—Oakland**  
 Eagleson & Co. (Flannel)  
 A  
 Keller Co., M. J. ....A  
**CAL.—San Francisco**  
 Friedlander & Sons, E.  
 (Women) .....C  
 Hirsch, Leopold (Flannel)  
 B  
 Magnin & Co., I. (Ladies,  
 Childrens; Infants Mus-  
 lin) .....B  
 Newbauer Bros. (Ladies  
 Muslin) .....D  
 Pfister Knitting Co., J. J.,  
 60 Geary (Knit Silk; Cot-  
 ton; Merino; Wool) ...B  
 Rothschild & Co., A  
 (Ladies) .....B  
**CONN.—Bristol**  
 Birge Sons Co., N. L. (Cot-  
 ton; Wool; Merino; Cam-  
 els Hair; Drawers, &c.)  
 B  
 Bristol Mfg. Co. (Cotton;  
 Wool) .....B  
**CONN.—Glastonbury**  
 Glastonbury Knitting Co.  
 (Men's Knit; Wool Shirts;  
 Drawers) .....A  
**CONN.—Naugatuck**  
 Dunham Hosiery Co. (La-  
 dies Childrens; Camels  
 Hair; Wool; Worsteds;  
 Silk) .....A

**UNDERWEAR (Con.)**

**CONN.—New Britain**  
 American Hosiery Co. (Cot-  
 ton; Wool; Merino; Silk)  
 AAAA  
 New Britain Knitting Co.  
 (Wool; Cotton Shirts;  
 Drawers) .....A  
**CONN.—Norwalk**  
 Hutchinson, Pierce & Co.  
 (Ladies; Boys) ....AAA  
**CONN.—Shelton**  
 Radcliffe Bros. ....A  
**CONN.—Waterville**  
 Welch Hosiery Co. (Ribbed;  
 Flat) .....A  
**CONN.—Winsted**  
 New England Knitting Co.  
 (Men's Wool; Merino)..A  
 Winsted Hosiery Co. (Full  
 Regular Made) .....A  
**D. C.—Washington**  
 Hall, Phillip T. ....C  
**GA.—Atlanta**  
 Atlanta Knitting Mills,  
 (Womens Knit Cotton).D  
 Wolf, H. (Men's Drawers)  
 C  
**GA.—Barnesville**  
 Georgia Underwear Co...D  
 Oxford Knitting Mills  
 (Womens Knit) .....D  
**GA.—Cedartown**  
 Josephine Mills (Light;  
 Heavy Bleached Cotton)  
 A  
**GA.—Dalton**  
 Smith, M. D. & H. L.  
 (Men's Drawers) .....D  
**GA.—Griffin**  
 Griffin Knitting Mills  
 (Men's Elastic Ribbed).D  
**GA.—Hampton**  
 Henderson Mfg. Co. (Wo-  
 mens Cotton) .....C  
**GA.—Macon**  
 Scofield Mfg. Co. (Men's)  
 C  
**GA.—Savannah**  
 American Mfg. Co. (Men's  
 Drawers) .....B  
**GA.—Union Point**  
 Union Mfg. Co. (Fleeced).D  
**ILL.—Chicago**  
 Lewis, Geo. (Womens Mus-  
 lin) .....C  
 Parkside Mfg. Co. (Ladies).  
 C  
 Phyllis Knitting Co. (Knit)  
 C  
 Strauss-Cahn Knitting Co.  
 (Worsted; Cotton; Silk;  
 Merino) .....C  
 Vassar Swiss Underwear Co.  
 (Knit Union Suits; Tights)  
 C  
**IND.—Fort Wayne**  
 Paragon Mfg. Co. (Ladies)  
 C  
**IND.—Lafayette**  
 Lafayette Underwear Co.  
 (Men's Cotton; Silk; Mer-  
 cerized) .....C  
**IND.—Muncie**  
 Muncie Underwear Co.  
 (Men's Cotton Knit)...D  
**IND.—New Albany**  
 Robinson, Norton & Co.  
 (Ladies Muslin) ....AAA  
**IND.—So. Bend**  
 Stanley Mfg Co., A. C.  
 (Men's Knit) .....B  
**LA.—New Orleans**  
 Heidenhelm, Levy & Co.  
 (Drawers) .....A  
 Katz & Co., S. & J.  
 (Drawers) .....A  
 Kaufman & Co., Chas. A.  
 A  
 Kory & Sons, A. ....A  
 Perry, S. R. ....C  
 Schwartz & Isaacs Co.  
 (Muslin) .....A  
 Weiss Mfg. Co. (Shirts;  
 Drawers) .....C  
**MAINE—Portland**  
 Chenery Mfg. Co. (Wo-  
 men's) .....B  
 Russ Eveleth & Ingalls  
 (Ladies' & Children's Mus-  
 lin) .....A  
**MAINE—Waterville**  
 Hathaway & Co., C. F.

**UNDERWEAR (Con.)**

(Women's Muslin) ....B

**MD.—Baltimore**

Bentley &amp; Melvin .....D

Erlanger Bros. (Men's

Drawers) .....AA

Kiehne &amp; Co., E. A. ....D

Lauer, Lewis &amp; Co. ....C

Morris &amp; Co. (Men's Jeans

&amp; Nainsook Drawers) ..B

Myer, Henry &amp; Co. ....C

North Bros. &amp; Strauss ....A

Pheonix Mfg. Co. (Men's

Drawers) .....AAA

Rosenfeld &amp; Co., E.

(Men's) .....A

Schenthal &amp; Sons, Jos. ....C

Standard Overall Co. (Men's

Drawers) .....D

Stratton &amp; Son., T. S. ....C

Strauss Bros. (Men's

Drawers) .....AAA

Stuart &amp; Keith .....B

Towles Mfg. Co., Wm. H.

(Drawers) .....C

Witz Bros. &amp; Co. (Men's

Drawers) .....B

**MD.—Hagerstown**

Roulett &amp; Co., J. C.

(Ladies' Cotton Fine

Jersey Ribbed) .....B

**MASS.—Boston**

Austin &amp; Co., H. A. (Belts;

Silk Dress Shields) ....C

Sterling Knit Goods Co. E

**MASS.—Chicopee Falls**

Taylor Bramley Co. (Knit)

B

**MASS.—Everett**

Bailey &amp; Co., Oscar L.

(Jersey Ribbed) .....C

Puritan Knitting Mills

(Women's; Children's) C

**MASS.—Florence**

Nonotuck Silk Co. (Silk)

AAA

**MASS.—Highlandville**

Moseley &amp; Co. (Women's;

Children's) .....D

**MASS.—Lowell**

Criterion Knitting Co.

(Knit) .....D

Lawrence Mfg. Co. (Knit

Cotton) .....AAAA

Whithall Mfg. Co. (Inc.)

(Muslin; Cambric) ..C

**MASS.—Millbury**

Kotedsilk Underwear Co.

D

**MASS.—Natick**

Natick Underwear Co.

(Women's; Children's

Muslin) .....C

Randall Bros. (Ladies';

Children's Cotton) ....C

**MASS.—Needham**

Brooks Co., Jno. F. (Inf-

ant's) .....C

Carter Co., Wm. (Cotton,

Merino; Wool; Silkateen)

B

**MASS.—Pittsfield**

Collins &amp; Co., D. M.

(Knit) .....AA

Mugrove Knitting Co.

(Ribbed) .....D

**MASS.—Springfield**

Medlicott Morgan Co. (Cot-

ton Knit) .....D

Springfield Knitting Co.

(Jersey Ribbed) .....A

**MASS.—Stoughton**

Stretton &amp; Sons, Chas.

(Knit) .....A

**MASS.—Wakefield**

Winship Bolt &amp; Co. (Wool;

Cotton; Silk) .....C

**MASS.—Waltham**

Amer. Knitting Co. (In-

fant's; Children's Knit) E

**MASS.—Watertown**

Dalby Co., Thos (Cotton;

Merino; Silk) .....O

**MASS.—Worcester**

Burns Co., Wm. H. (Wo-

men's; Children's Muslin

&amp; Flannellette) .....A

Green &amp; Green (Muslin) ..C

**MICH.—Adrian**

Adrian Knitting Co. (Chil-

dren's Cotton Ribbed) C

**UNDERWEAR (Con.)****MICH.—Centerville**

Michigan Central Woolen

Co. (Men's Knit) .....C

**MICH.—Grand Rapids**

Globe Knitting Wks. (Wo-

men's; Children's Ribbed

Cotton) .....D

Standard Mfg. Co. (Ladies'

Muslin &amp; Flannellette) B

Star Knitting Co. (Men's;

Women's; Misses'; Child-

ren's Combination Suits)

C

**MICH.—Lansing**

Michigan Knitting Co.

(Knit Comb Suits) .....D

**MICH.—Muskegon**

Amazon Knitting Co. (Knit)

A

Muskegon Knitting Mills

(Men's; Women's; In-

fants'; Children's Woolen;

Silk) .....F

**MICH.—Pontiac**

Pontiac Knitting Co. (Knit)

C

**MICH.—Ypsilanti**

Hay &amp; Todd Mfg. Co.

(Comb. Suits) .....C

**MINN.—Duluth**

Nelson Bros. (Knit) .....C

**MINN.—Minneapolis**

Belden &amp; Evans .....D

Northwestern Knitting Co.

(Worsted; Lisle Thread) A

**MINN.—Northfield**

Northfield Knitting Co.

(Knit) .....F

**MO.—Jefferson**

Star Clothing Co. (Men's

Drawers) .....C

**MO.—St. Louis**

Ely &amp; Walker Dry Goods Co.

AAAA

Ferguson McKinney Dry

Goods Co. (Ladies' Mus-

lin) .....AAAA

Gilbert Bros. ....C

Grabinsky &amp; Co., S. (Wom-

en's Muslin) .....C

Lipshitz &amp; Co., M. (Men's) C

Prince, Evans &amp; Co. (Wom-

en's Muslin) .....B

**N. H.—Hillsborough Bridge**

Contocook Mills Co. (Wool;

Merino) .....A

**N. H.—Lebanon**

Everett Knitting Wks.

(Ribbed) .....B

**N. H.—Manchester**

Elliott Mfg. Co. (Knit Wool;

Silk) .....A

**N. H.—Newport**

Peerless Mfg. Co. (Wom-

en's; Children's Muslin) A

**N. J.—Dover**

Swiss Knitting Co. (Silk;

Wool; Mixed; Lisle) ....C

**N. J.—Hoboken**

Wrights Health Underwear

Co. ....B

**N. J.—Newark**

Cogswell &amp; Boulter Co.

(Women's Muslin) .....A

Delsarte Mfg. &amp; Supply Co.

D

**N. Y.—Albany**

Field &amp; Hatch Knitting Co.

(Jersey Ribbed) ..AAAA

Hubbard &amp; Co., G. A.

(Ladies' Muslin) ....D

**N. Y.—Amsterdam**

Atlas Knitting Co. (Fancy

Knit) .....B

Dean &amp; Co., L. L. (Men's

All Wool) .....B

Gardiner-Warring Co.

(Ladies'; Men's) .....B

Greene Knitting Co. ....D

Harrower, L. E. (Fleece

Lined Knit) .....AAA

McFarlan &amp; Co. (Fleeced) B

Morris &amp; Sons, A. V. AAAA

Rowe Knitting Co., W. H.

(Cotton; Wool) .....AA

Sovereign Knitting Co. (Fan-

cancy Balbriggan; Ladies'

Jersey) .....C

Stewart, J. K. (Knit Cotton;

Wool) .....AA

Van Brocklin &amp; Stover Co.

<b>UNDERWEAR (Con.)</b>	<b>UNDERWEAR (Con.)</b>
(Men's Fleece Lined) ... B	en's Muslin) ..... A
Yunds, Kennedy & Yunds	N. Y.—Hudson
(Knit Cotton; Wool) .. B	Union Mills (Wool; Fleece
N. Y.—Anderson	Lined) ..... A
Blood Knitting Co. (Ribbed)	N. Y.—Jamestown
B	Logan, R. T. .... D
N. Y.—Arcade	N. Y.—Johnstown
Sanford, Jno. C. (Swiss	Diana Knitting Co. (Wom-
Ribbed) ..... C	en's Medium High Grade;
N. Y.—Athens	Men's Babbriegan) .... D
Athens Knitting Co. (Cot-	Johnstown Knitting Co.
ton; Wool Fleece Lined) O	(Men's; Boys'; Women's
N. Y.—Averill Park	Fleece; Jersey Ribbed) B
Faith Knitting Co. (Cotton;	N. Y.—Little Falls
Wool Knit) ..... D	Adams Mfg. Co., Victor
N. Y.—Baldwinsville	(Fine Jersey Ribbed) ... C
Allen, Alexander (Women's	Gilbert Knitting Co. (Rib-
Ribbed) ..... D	bed; Fleece) ..... AA
N. Y.—Broadalbin	Mackinnon & Co., Robt.
Broadalbin Knitting Co.	(Children's Cotton; Wool
(Cotton; Wool; Fleece	Knit) ..... AA
Lined) ..... D	Rockton Knitting Mills
N. Y.—Brooklyn	(Knit) ..... A
Am. Knit Goods Mfg. Co.	Sheard Co., Titus (Red;
(Knit) ..... AAA	Nat. Wool) ..... A
Standard Knitting Mills Co.	Walrath, R. (Knit) ..... C
(Women's; Children's Rib-	N. Y.—Mechanicville
bed) ..... D	Mechanicville Knitting Co.
Wiley Mfg. Co. (Knit) .. A	(Men's Wool; Fleece
Windsor Knitting Mills	Lined) ..... B
(Infants' Ribbed) .... D	N. Y.—Milton
N. Y.—Camden	Bells' Sons Co., Hy. H. ... B
Camden Knitting Co. (Com-	N. Y.—Mohawk
bination Suits) ..... AA	Mohawk Valley Knitting
N. Y.—Catskill	Mills (Nat. Wool; Cam-
Malcolm Knitting Co.	els Hair) ..... B
(Plain; Fancy Cotton;	Paragon Knitting Co. (Nat.
Wool Fleece) ..... B	Wool; Camels Hair) ... B
N. Y.—Cohoes	New York City
Barnet & Aufesser Knit Co.	Acme Underwear Co. (Miss-
(Ribbed) ..... B	es'; Children's Muslin;
Cascade Mills (White; Nat.	Cambric; Canton Flannel)
Wool) ..... B	C
Clark & Holsapple Mfg. Co.	Aitkin, Son & Co. .... AAAA
B	Alvis Co., Isaac ..... B
Clifton Co., S. E. (Ladies'	Bacon & Co. (Com.) .... AAAA
Cotton Ribbed) ..... D	Ballin & Sons, M. (Men's) D
Davitt, A. W. (Natural	Bamberger, Gilbert ..... C
Wool; Camels Hair) ... C	Bamberger & Son (Infants';
Empire Knitting Mills	Children's Flannel) ... B
(Fleece Lined) ..... B	Birkenfeld, Strauss & Co.
Himes Underwear Co. (Nov-	(Muslin; Flannellette) . B
elty; Fleece Lined) ... B	Boessneck Broesel & Co.
Hope Knitting Co. (Nat.	(Com.) ..... AAAA
Wool; Camels Hair) ... A	Burgess & Co., W. H. (Knit;
Johnston, David S. (Balbrig-	Com.) ..... AAAA
gan; Lisle Thread) .... D	Caesar & Co., H. A. (Com.)
Kavanaugh Mfg. Co., F. W.	AAA
(Cotton; Wool; Fleece	Citron & Co., S. .... B
Lined Goods) ..... C	Clafflin Co., H. B. (Muslin)
Moore Knitting Co., Wm.	AAAA
(White; Gray; Camels	Critten, Clift & Co. (Knit
Hair) ..... B	Com.) ..... B
Murphy Mfg. Co., Jno. H.	Danenbaum Bros. (Women's
(Jersey Ribbed) ..... B	Muslin) ..... A
Parsons Mfg. Co. .... B	Diamond, Wm. J. (Women's
Quinn, Jno. F. (Jersey	Muslin) ..... C
Knit) ..... B	Dubinsky, Louis (Men's) D
Riverside Knitting Mill	Farber & Co., Fred. M.
(Fleece; Ribbed; Plain) D	(Ribbed, Com.) ..... C
Root Mfg. Co. .... A	Farber, Drewr. & Co., H. J.
Victor Knitting Mills Co.	(Com.) ..... C
(Nat. Wool; Black; Red;	Frankenthal Bros. & Co.
Camels Hair) ..... A	(Ladies') ..... B
N. Y.—Elmira	Gulterman & Co., Carl
Elmira Knitting Mills	(Com.) ..... A
(Men's Cotton) ..... A	Hardt, Von Bernuth & Co.
Queen City Knitting Mills	(Com.) ..... AAAA
(Women's; Children's Cot-	Harris, Geo. (Ladies' Mus-
ton Ribbed) ..... D	lin) ..... D
N. Y.—Ft. Plain	Herzig & Co., L. (Knit) .. C
Bailey Knitting Mills	Hess & Nelson (Women's
(Men's; Boys') ..... B	Muslin; Flannellette) ... C
N. Y.—Greenwich	Hirsch & Son Co., Isaac
Pleasant Vale Mills (Men's;	(Ladies' Muslin) ..... A
Boys' Fleece Lined) ... C	Iselin & Co., Wm. (Com.)
Van Zile Knitting Co.	AAAA
(Women's; Misses' Ribbed) C	Juilliard & Co., A. D.
N. Y.—Herkimer	(Com.) ..... AAAA
Mark Mfg. Co. (Men's;	Keep Shirt Co., H. V. ... D
Women's; Children's	Knitting Mills Trading Co.
Knit) ..... B	(Com.) ..... B
Royal Gem Mills Co. (Cot-	Ladyware Co. .... C
ton; Wool; Silk) ..... B	Lamson, Roger & Co. (Com.)
N. Y.—Hosiosk Falls	A
Superior Mfg. Co. (Men's;	Lay & Way Co. (Infnts';
Women's; Children's Cot-	Boys'; Girls' Underwaists)
ton; Worsteds; Silk Rib-	C
bed) ..... D	Lewis & Bro., Henry (La-
N. Y.—Hornellsville	dies' Muslin) ..... B
Underwear Mfg. Co. (Wom-	

**UNDERWEAR (Con.)**  
 Libman, B. Mrs. (Infants' Slips) .....C  
 Martin & Co., M. (Ladies' Misses') .....AA  
 Oelbermann, Dommerich & Co. (Com.) .....AAAA  
 Piddian & Wormser (Boys') .....C  
 Platzek, Wm. W. ....C  
 Porter Bros. & Co. (Com.) A  
 Robertson & Bruhn (Mfrs. Agts.) .....B  
 Roggen & Eisenstein (Ladies') .....A  
 Rosenberg, D. (Ladies' Muslin) .....C  
 Rosenstock & Cohn (Women's) .....C  
 Rowe & Son, W. H. (Com. Knit) .....AA  
 Schefer, Schramm & Vogel (Knit Com.) .....AAAA  
 Schwed & Co., R. (Infants') .....C  
 Scriven Co., J. A. ....B  
 Sicher & Co., D. E. (Ladies' Muslin) .....AA  
 Sigel Bros. (Muslin) .....AAA  
 Spielmann & Co. (Com.) AAA  
 Steiner & Son (Night Shirts) .....A  
 Stearns, Simon & Co. (Women's; Children's) .....AA  
 Talcott, James (Knit, Com.) .....AAAA  
 Verdier & Hardy (Com.) A  
 Vietor & Achells, Fred. (Com.) .....AAAA  
 Watson, Porter, Giles & Co. (Com.) .....A  
 White & Co., Jas. F. (Com.) .....AAAA  
 Wilmerding & Bisset (Com.) .....AA  
 Wolbach, J. (Ladies') .....C  
**N. Y.—Oneonta**  
 Buckley Bros. Co. (To Measure) .....C  
**N. Y.—Oswego**  
 Conde, Frederic (Cotton; Wool Knit) .....D  
 Oswego Knitting Co. (Balbriggan) .....A  
**N. Y.—Oriskany Falls**  
 Utica Knitting Co. (Women's; Children's Ribbed) .....AAA  
**N. Y.—Peekskill**  
 Baker Underwear Co. (Women's; Children's Muslin; Cambric) .....B  
**N. Y.—Perry**  
 Perry Knitting Co. (Men's; Children's Knit) .....A  
**N. Y.—Philmont**  
 Aken Knitting Co. (Fleece Lined) .....AA  
 Hayes & Co., Jno. (Fleece Lined) .....C  
 High Rock Knitting Co. (Men's Fleece Lined; Wool Mixed) .....A  
**N. Y.—Rexleigh**  
 Brockway, Geo. E. (Wool; Camels Hair) .....D  
**N. Y.—Richmondville**  
 Waltonha Knitting Co. (Jersev Ribbed) .....B  
**N. Y.—Rome**  
 Columbia Knitting Mills (Men's Fine Balbriggan) B  
 Fort Stanwix Knitting Co. (Men's Plain; Fancy) ..D  
 Rome Textile Co. (Cotton Ribbed) .....D  
 Williams Bros. Mfg. Co. (Cotton; Silk; Lisle; Worsted) .....B  
**N. Y.—St. Johnsville**  
 Lion Mfg. Co. (Cotton Knit) .....C  
 Royal Gem Mills Co. (Women's Cotton Ribbed) ....B  
 Union Knitting Co. (Fleece) .....C  
**N. Y.—Sand Lake**  
 McLaren, J. & R. (Men's; Boys' Knit) .....D  
**N. Y.—Sanquoit**  
 Lewis Knitting Co. (Children's Ribbed) .....C

**UNDERWEAR (Con.)**  
**N. Y.—Schenectady**  
 Alpha Knitting Co. (Wool) C  
**N. Y.—Sherburne**  
 Canasawacta Knitting Co. (Men's Cotton) .....D  
**N. Y.—Stillville**  
 Hackett & Atwood (Cotton Knit) .....B  
**N. Y.—Stillwater**  
 Newland Denison & Co. (Knit) .....A  
**N. Y.—Stockport**  
 Hoover, Jas. A. (Men's Fine Fleece) .....A  
**N. Y.—Syracuse**  
 Clinton Knitting Co. (Women's Jersey Ribbed) ...AA  
 Oak Knitting Co. (Children's Cotton Knit) .....A  
 West Bros. (Cotton Fancy Ribbed) .....B  
**N. Y.—Troy**  
 Commercial Knitting Mills Co. (All Wool; Cotton; Silk) .....A  
 Troy Knitting Co. (Ladies' Gents' Knit Wool) .....A  
 United Shirt & Collar Co. (Ladies' Chemisettes) .....AAAA  
 Wrights Health Underwear Co. ....A  
**N. Y.—Utica**  
 Avalon Knitwear Co. (Women's Cotton; Worsted) ..C  
 Capron Knitting Co. (Men's Fleece Lined Balbriggan; Ribbed) .....C  
 Fisher Knit Goods Co. (Fleece Lined) .....C  
 Fort Schuyler Knitting Co. (Women's; Misses' Swiss Ribbed) .....D  
 Kendall Knitting Co. (Ladies'; Children's Ribbed) C  
 La Tosca Knitting Co. (Women's Ribbed) ....A  
 Oneita Knitting Mills (Knit) .....A  
 Regal Textile Co. (Women's Fleece Lined) ....C  
 Richelleu Knitting Co. (Women's; Misses' Swiss Ribbed) .....D  
 Seal Back Underwear Co. (Children's Ribbed) ....E  
 Utica Knitting Co. (Knit) .....AAA  
**N. Y.—Waterford**  
 Clover Knitting Co. (Men's; Women's; Children's) ..C  
 Ford Mfg. Co. (Knit) .....B  
 Kavanaugh Knitting Co. (Balbriggan) .....B  
 Novelty Knit Underwear Co. (Ribbed) .....A  
 Orinshy Textile Co. (Knit) B  
 Waterford Knitting Co. (Ladies'; Gents' Knit) ....A  
**N. Y.—Whitesboro**  
 Ablett, Robert (Men's; Boys'; Children's Fleece Lined; Balbriggan) ...AA  
**N. C.—Raleigh**  
 Melrose Knitting Mill Co. (Men's Knit) .....D  
**N. C.—Scotland Neck**  
 Scotland Neck Cotton Mills (Knit Cotton) .....B  
**N. C.—Weldon**  
 Roanoke Mills Co. (Knit) A  
**N. C.—Winston-Salem**  
 Moline Mills Co. (Cotton Ribbed) .....C  
**OHIO—Cincinnati**  
 Dormer Bros. Co. (Infants') .....C  
 Fairmount Woolen Mills (Knit) .....A  
 Reins & Meiss (Misses') ..B  
 Shillito Co., John .....AAAA  
**OHIO—Cleveland**  
 Central Knitting Co. (Knit) .....B  
 Root & McBride Co. (Muslin) .....AAAA  
 Taylor, Son & Co., Wm. (Muslin) .....AAA  
**OHIO—Hamilton**  
 Miami Valley Knitting Mills (Cotton Knit) ....B

**UNDERWEAR (Con.)**  
 Pioneer Knitting Mills Co.  
 (Cotton Knit ; Union Suits) .....C  
**OHIO—Mentor**  
 Mentor Knitting Mills  
 (Women's; Children's Cotton Knit) .....C  
**OHIO—Piqua**  
 Atlas Underwear Co.  
 (Union Suits) .....D  
 Piqua Hosiery Co. (Men's; Women's; Children's Knit) .....D  
**PA.—Allentown**  
 Allentown Knitting Co.  
 (Knit Ribbed) .....B  
 Southdown Knitting Co.  
 (Women's Ribbed Cotton; Lisle; Silk) .....C  
 Swartz, C. (Cotton Knit) D  
**PA.—Ashley**  
 Ashley Knitting Mills ....B  
**PA.—Auburn**  
 Diefenderfer & Co., W. H.  
 (Women's) .....D  
**PA.—Avon**  
 Lebanon Textile Co. (Women's Cotton; Lisle; Mercerized) .....D  
**PA.—Bridgeport**  
 Kaufman Mfg. Co. (Ribbed) A  
**PA.—Centreport**  
 Centreport Knitting Co.  
 (Cotton Knit) .....D  
**PA.—Chicamauga**  
 Chicamauga Knitting Mills  
 (Women's Ribbed) ....C  
**PA.—Hamburg**  
 Hamburg Knitting Mills  
 (Cotton Ribbed) .....D  
**PA.—Hawley**  
 U. S. Knitting Mills (Knit) B  
**PA.—Hazleton**  
 Hazle Knitting Mill Co.  
 (Knit) .....D  
 Wilde & Co. (Knit) .....C  
**PA.—Kutztown**  
 King Knitting Mills (Cotton Ribbed) .....D  
**PA.—Lititz**  
 Keystone Underwear Mills  
 (Men's Ribbed) .....C  
**PA.—Mohrsville**  
 Wagner & Co., Jas. H.  
 (Women's Ribbed). ....D  
**PA.—Newville**  
 Newville Knitting Co. (Cotton; Lisle Knit) .....C  
**PA.—Norristown**  
 Keystone Knitting Mills Co.  
 (Knit Cotton) .....D  
 Penn Knitting Co. (Knit) D  
**PA.—Philadelphia**  
 Barrows & Son, David (Ladies'; Children's Fancy Knit) .....C  
 Behal, Jos. L. (Womens' Ribbed) .....D  
 Blood & Bro., Jno. (Ribbed) A  
 Brubaker & Son, E. (Men's Drawers) .....D  
 Elk Knitting Mills Co. (Cotton; Lisle; Silk; Woolen) C  
 Excelsior Underwear Co.  
 (Knit) .....E  
 Flavell Bros. (Men's; Women's) .....B  
 Florence Knitting Mills  
 (Elderdown) .....C  
 Geneva Knitting Mills (Elderdown) .....C  
 Godshalk Co., E. H. (Elderdown) .....AA  
 Hagedorn, Merz Co. ....A  
 Hygienic Fleece Underwear Co. (Fleece) ....A  
 Iroquois Knitting Mills  
 (Ribbed) .....D  
 Kaufman & Rubin (Women's) .....A  
 Kremer & Co., Theo. E.  
 (Knit) .....B  
 Lamson & Co., Roger (Com.) A  
 Lanark Knitting Co. (Cotton Ribbed) .....AA  
 Lang & Co., H. A. (Muslin) C  
 Pilling Mfg. Co. (Jersey

**UNDERWEAR (Con.)**  
 Ribbed) .....B  
 Querns Bros. (Cotton; Worsted Ribbed) .....A  
 Rosenblatt, A. (Infants'; Children's; Women's) ..C  
 Rothchild & Co., S. (Infants'; Children's) .....C  
 Roxford Knitting Co.  
 (Balbriggan) .....A  
 Shenkin Bros. (Muslin) ...C  
 Stokes, Cromie & Co. (Com.) B  
 Thompson, Foust & Co.  
 (Com.) .....B  
 Thurman, H. W. ....C  
 Townsend & Co., E. M.  
 (Com.) .....A  
 Underdown, A. B. ....C  
 Woodcock Bros. ....C  
**PA.—Phoenixville**  
 Byrne, Thos. F. (Knit Ribbed) .....AA  
 Parsons & Baker (Women's Knit) .....A  
 Perseverance Knitting Co.  
 (Fine Ribbed) .....D  
**PA.—Pittston**  
 Alpine Knitting Co.  
 (Ribbed) .....B  
**PA.—Pottsville**  
 Phillips & Son, M. (Flexible Seam Drawers) .....A  
 Luzerne Knitting Mills  
 (Flat; Ribbed Knit) ..B  
**PA.—Reading**  
 Ammon, E. S. (Cotton; Jersey Ribbed) .....D  
 Mt. Penn Knitting Co.  
 (Women's Fleece) ..D  
 Reading Underwear Co.  
 (Knit) .....D  
**PA.—Riegelsville**  
 Clymer, Lee S. (Knit) ..C  
**PA.—Royersford**  
 Century Knitting Co. (Cotton; Lisle, etc.) .....D  
 Chester Knitting Co. (Cotton Knit) .....D  
 Emmers & Co., E. (Ladies' Knit) .....AA  
 Nat. Underwear Co. (Knit Cotton) .....C  
**PA.—Schuylkill Haven**  
 Berger & Son, H. (Cotton Knit) .....D  
 Kline, A. H. (Knit Ribbed) D  
 Reed & Leminger (Women's Knit) .....C  
 Sharadin, Daniel (Jersey Cotton) .....D  
 Thomas Knitting Mills  
 (Knit) .....D  
 Lackawanna Mills (Knit) A  
 Shamokin Underwear Mill  
 (Knit) .....A  
**PA.—Shoemakersville**  
 Wolf & Son, Wm. (Cotton Knit) .....D  
**PA.—Wilkesbarre**  
 Galland Bros. ....B  
**R. I.—Pawtucket**  
 Lebanon Mill Co. (Knit) ..B  
 U. S. Knitting Co. (Cotton Knit) .....A  
**R. I.—Providence**  
 Vista Knitting Mills (Cotton; Woolen Knit) ..AA  
**S. C.—Bowling Green**  
 Bowling Green Knitting Mills (Women's Cotton Knit) .....D  
**S. C.—Charleston**  
 Wilbur & Son, T. A.  
 (Drawers) .....A  
**TENN.—Nashville**  
 Fish & Well .....C  
 Frank & Co. ....C  
**TEXAS—Dallas**  
 Rose Mfg. Co. ....B  
 Sanger Bros. ....AAA  
**TEXAS—Galveston**  
 Pierson, A. L. (Drawers) C  
**VT.—Bennington**  
 Bradford & Co., H. E.  
 (Knit Woolen) .....A  
 Rockwood & Co., Geo.  
 (Knit Woolen) .....A  
 Tiffany Bros. (Knit Woolen) B

**UNDERWEAR (Con.)**

**VT.—Pownal**  
Wrights' Health Underwear  
Co. (Fleeced Woolen Knit) ..B

**VA.—Berkley**  
Chesapeake Knitting Mills  
(Cotton Knit) .....AA

**VA.—Norfolk**  
Hatch & Dean .....D  
Norfolk Knitting Mills  
(Knit) .....B

Steels' Union Overall Co.  
(Men's Drawers) .....D

**VA.—Richmond**  
Cohen, Son & Co., M.  
(Men's Drawers) .....A

**WIS.—Janesville**  
Lewis Knitting Co. (Full  
Fashioned Knit in Com-  
bination & Separate) ..B

**WIS.—Kenosha**  
Cooper Underwear Co.  
(Men's Knit Wool; Oot-  
ton; Mercerized) .....B

**WIS.—Milwaukee**  
Van Dyke Knitting Co.  
(General Line Knit) ...B

**UNIFORMS**

See also Clothing

**OHIO—Columbus**  
Lilly & Co., M. O. (Military;  
Society) .....AAAA

**UNIONS**

**CONN.—Bridgeport**  
Belknap Mfg. Co. ....C

**ILL.—Chicago**  
Blatchford & Co., E. W.,  
70 N. Clinton (Soldering)  
.....AAAA

Crane Co. (Pipe) ...AAAA  
Illinois Malleable Iron Co.,  
30 W. Monroe (Pipe) .....AAAA

**ILL.—Decatur**  
Mueller Mfg. Co., H.  
(Soldering) .....AAA

**ILL.—Edwardsville**  
Edwardsville Brass Co.  
(Soldering) .....B

**ILL.—Kewanee**  
Western Tube Co. (Brass;  
Malleable Iron Soldering)  
.....AAA

**MASS.—Boston**  
Walworth Mfg. Co. (Pipe)  
.....AAAA

**MASS.—Lexington**  
Jefferson Mfg. Co. (for High  
& Low Pressure, Solder-  
ing) .....X

**MO.—St. Louis**  
Pleuger & Henger Mfg. Co.,  
11th & Hebert .....A

**N. J.—Belleville**  
Eastwood Wire Mfg. Co. ...A

**N. J.—Paterson**  
McNab & Harlin Mfg. Co.  
.....AAA

**N. Y.—Brooklyn**  
Williams & Co., J. H.  
(Forged) .....AA

**N. Y.—Monroe**  
Newbury Mfg. Co. (Gray  
Iron) .....D

**New York City**  
Mullaney's Son, Jas., 25th  
& Lex. Av. ....D

**OHIO—Cincinnati**  
Lunkenheimer Co., Beekman  
& Waverly .....AA

Powell Co., Wm. (Brass) C  
Queen City Brass & Iron  
Works (Brass; Soldering,  
etc.) .....B

**OHIO—Cleveland**  
Cleveland Bronze & Brass  
Works (Brass Soldering) C  
Glauber Brass Mfg. Co., 88  
River (Soldering) ...AA

Sanitary Co., 335 Huron  
(Soldering) .....B

**OHIO—Mansfield**  
Ohio Brass Co. ....AA

**OHIO—Springfield**  
Nolte Brass Co. (Brass,  
Soldering, Pipe) .....D

**UNIONS (Con.)**

**PA.—Erie**  
Campbell Brass Works, J.  
B. (Soldering) .....A

**PA.—Philadelphia**  
Belfield & Co., H. ....AA  
Flagg & Co., Stanley G.,  
19th & Penna. Av. (Soft  
Metal Seat) .....AAA

Haines, Jones & Cadbury  
Co., 1138 Ridge Av. (Sol-  
dering) .....AA

Pancoast & Co., Henry B.,  
243 So. 3d .....B

Savill, Thos., 11th & Wood  
(Soldering) .....C

**PA.—Williamsport**  
Darling Pump & Mfg. Co. B

**R. I.—Providence**  
Dart Mfg. Co., E. M., 136  
Clifford (Pipe) .....B

**UNLOADERS**

**ILL.—Chicago**  
Fairbanks, Morse & Co.,  
Franklin & Monroe (Bal-  
last) .....AAAA

Shaw, Willis, N. Y. Life  
Bldg. (Ballast) .....D

**MICH.—Bay City**  
Industrial Works (Ballast)  
.....AAA

**MO.—St. Louis**  
Broderick & Bascom Rope  
Co. (Ballast) .....AA

Leschens & Sons Rope Co.,  
A., 920 N. 1st (Ballast)  
.....AAA

**New York City**  
Lidgerwood Mfg. Co., 96  
Liberty (Ballast) ...AAA

**OHIO—Marion**  
Marion Steam Shovel Co.  
(Ballast) .....AA

**OHIO—Toledo**  
Vulcan Iron Works (Bal-  
last) .....A

**UPHOLSTERY  
GOODS**

See also Trimmings

**MASS.—Boston**  
Schoenfuss, F. J. (Silk,  
Cords, Fringes, etc.)..F  
Weinz Trimming Co. (Silk  
Trimmings) .....E

**N. J.—Jersey City**  
Schaefer, L. B. (Silk) ....D

**N. J.—Paterson**  
Ryer Son & Co., J. B. (Silk)  
.....AA

**New York City**  
Empire Fringe Co. (Silk) D  
Oelbermann, Dommerick &  
Co. (Com.) .....AAAA

Union Upholstery Trimming  
Co. (Silk) .....B

White & Co., Jas. F. (Com.)  
.....AAAA

**PA.—Eden**  
Rumpf's Sons, Fred'k. ..B

**PA.—Philadelphia**  
Barber & Co., J. W.  
(Covers) .....C

Barlow, Noah (Tapestry) D  
Binder & Ellis .....C

Brooks Son Co., Geo. ...B

Davies Textile Co. (Tapes-  
try) .....C

Derk & Co., Joseph (Tapes-  
try) .....D

Eastlake Mfg. Co. (Furn.  
Guimp, etc.) .....B

Hewett, C. G. ....C

Hoyle, Harrison & Kaye  
.....AAA

Moss Rose Mfg. Co. (Silk) B

**New York City**  
New York Tapestry Mills  
(Tapestry) .....D

Oldham Mills .....AAAA

Orinoka Mills .....A

Regar & Oughton .....C

Ritchie Co., Robt. J. & R.  
(Tapestry) .....D

Rosenheim Bros. & Co.  
(Tapestry) .....D

Schwehm & Sons, J. M. AA  
Smith & Son, W. T. ....AA

Stead, Miller & Co. ....AA



**UPHOLSTERY GOODS**  
Vigilant Mills (Silk Tapes-  
try) .....C

## UPPERS

**MAINE**—Portland  
Cox & Son, A. F. (Shoe)...A  
**MINN.**—St. Paul  
Hardenbergh & Co., P. R. L.  
(Shoe) .....A  
Scheffer & Rossum (Shoe;  
Boot) .....A  
**MO.**—St. Louis  
Scannell Leather Co., Alfred  
(Shoe) .....A

## UPSETS

**MICH.**—Grand Rapids  
Baldwin, Tuthill & Bolton B

## UPSETTERS

**ILL.**—Carpentersville  
Illinois Iron & Bolt Co.  
(Tire) .....AA  
**ILL.**—Moline  
Williams-White & Co.  
(Tire) .....AA  
**ILL.**—Rockford  
Weyburn Co. (Tire) .....C  
**MASS.**—Greenfield  
Wells Bros. Co. (Tire)....A  
Wiley & Russell Mfg. Co.  
(Tire) .....AA  
**MASS.**—Worcester  
Boynton & Plummer (Tire) B  
**MICH.**—Detroit  
National-Fulton Brass Mfg.  
Co. (Tire; Bolt) .....AA  
**N. Y.**—Buffalo  
Buffalo Forge Co. (Tire) AAA

**OHIO**—Cleveland  
Acme Machinery Co. (Bolt) AA

**OHIO**—Tiffin  
National Machinery Co.  
(Bolt) .....AA

**PA.**—Mechanicsburg  
Comstock, Geo. S. (Tire).C  
**R. I.**—Pawtucket  
Pawtucket Mfg. Co. (Bolt) A

## URINALS

**ILL.**—Chicago  
Illinois Malleable Iron Co.,  
30 W. Munroe .....AAAA  
Wolff Mfg. Co., L. ....AAAA  
**MASS.**—Andover  
Tyer Rubber Co. (Rubber) AA

**MASS.**—Boston  
Davidson Rubber Co.  
(Rubber) .....A  
**MASS.**—Lowell  
Lowell Slate Co. (Slate) .X  
**N. J.**—Trenton  
Maddock & Sons Co., Thos. A

Trenton Potteries Co. ....AAA  
**New York City**  
Fiske Iron Works, J. W...B  
Goodyear's India Rubber  
Glove Mfg. Co. (Rubber) AAAA

Haydenville Co. ....A  
Hodgman Rubber Co. (Rub-  
ber) .....AA  
Maris & Co., John M., 219  
Fulton (Rubber) .....B  
Meyer-Sniffen Co. (Ltd.) .A

**OHIO**—Akron  
Faultless Rubber Co.  
(Rubber) .....AA  
Goodrich Co., B. F. (Rub-  
ber) .....AAAA

**PA.**—Danielsville  
Hower, J. K. (Slate) ....B

**PA.**—East Bangor  
East Bangor Consolidated  
Slate Co. (Slate) .....AA

**PA.**—Pittsburg  
Standard Mfg. Co. ....AA

**PA.**—Slatington  
Slatington Bangor Slate  
Syndicate (Slate) .....D

**PA.**—Wind Gap  
Phoenix Slate Co. (Slate).D

**URINALS (Con.)**  
**R. I.**—Providence  
Davol Rubber Co. (Rubber) AA

**WIS.**—Milwaukee  
Rundle Mfg. Co. (Ena-  
meled Iron) .....C  
**WIS.**—Sheboygan  
Kohler Sons Co., J. M. ...A

## URNS

**CAL.**—San Francisco  
Boesch Lamp Co. (Bar;  
Coffee) .....C

**CONN.**—Meriden  
Manning, Bowman & Co.  
(Barbers'; Copper; Ena-  
meled; Restaurant;  
Steam; Stove; Tea;  
Coffee) .....AA

**ILL.**—Chicago  
Adams & Westlake Co.,  
Ontario & N. Franklin  
(Buffet for Cars, etc.) AAAA

**MASS.**—Boston  
Dallinger & Co., Frank W.  
(Coffee) .....E  
Strater & Sons, Herman  
(Copper) .....A

**MICH.**—Detroit  
Ireland & Matthews (Stove) A

**MO.**—St. Louis  
Wrought Iron Range Co.  
(Tea; Coffee) .....AAAA

**N. Y.**—Brooklyn  
Sweeney Mfg. Co., W. H.  
(Barbers'; Restaurant;  
Copper) .....A

**N. Y.**—Buffalo  
Aldrich Mfg. Co. (Barbers';  
Copper; Tea; Coffee) ..A

**New York City**  
Bramhall-Deane Co. (Tea;  
Coffee) .....B

Crandall & Godley Co. (Tea;  
Coffee) .....AA  
Lalanc & Grosjean Mfg. Co.  
(Barbers'; Enamelled) AAAA

Stoutenborough, X. (Copper;  
Restaurant; Steam Stove) D

**N. Y.**—Rochester  
Castle & Co., Wilnot  
(Steam; Tea; Coffee)...B

**OHIO**—Cincinnati  
Fischer Mfg. Co., Wm. G.  
(Tea; Coffee) .....X  
Van Range Co., John (Tea;  
Coffee) .....A

## UTENSILS

**CONN.**—Cromwell  
Stevens Co., J. & E. (Toy;  
Cooking) .....AAAA

**CONN.**—Meriden  
Manning, Bowman & Co.  
(Oil Stove) .....AA

**ILL.**—Lemont  
Illinois Pure Aluminum Co.  
(Aluminum; Cooking) ..A

**IND.**—Fort Wayne  
Boss Roaster Mfg. Co. (Oil  
Stove) .....E

**MD.**—Baltimore  
Jones Hollow Ware Co.  
(Cooking) .....D

Maag Aug., 105 Hanover  
(Bakers'; Confectioners') D

**MASS.**—Boston  
McDowell Oven Co. (Con-  
fectioners') .....E

**MASS.**—Somerville  
Hillson & Co., H. M. (Oil  
Stove) .....D

**MICH.**—Ann Arbor  
Harkin & Willis (Oil Stove) E

**N. Y.**—Brooklyn  
New York Stamping Co.  
(Brass Cooking) .....A

**N. Y.**—Buffalo  
Aldrich Mfg. Co. (Copper  
Household) .....A

Shepard & Co., Sidney (Alu-  
minum Cooking) (AAAA  
**New York City**  
Bramhall-Deane Co. (Copper

## UTENSILS (Con.)

Household) .....B  
Hart William (Confectioners) .....A  
Kny-Scheerer Co., 225 4th Av. ....C  
Steeger Henry (Copper; Household) .....A  
**OHIO—Cincinnati**  
Huenefeld, E. H. (Oil Stove) .....A  
**OHIO—Cleveland**  
Avery Stamping Co. (Steel; Cooking) .....B  
**OHIO—Sidney**  
Wagner Mfg. Co. (Aluminum; Cooking) .....A  
**PA.—Clinton**  
Moseley & Pritchard Mfg. Co. (Creamery) .....D  
**PA.—Erie**  
Griswold Mfg. Co. (Aluminum; Cooking) .....A  
**PA.—Philadelphia**  
Anderson & Co., J. P. (Confectioners) .....X  
Endriss George (Confectioners) .....B  
**PA.—Pittsburg**  
Knorr, W. L., 1108 Penn. Av. (Bakers') .....A  
Standard Mfg. Co. (Toy; Cooking) .....AA  
**R. I.—Providence**  
Wall & Co., A. T. (Aluminum; Cooking) .....C  
**VT.—Bellows Falls**  
Vermont Farm Machine Co. (Butter Working) .....C

## VACCINE

**MASS.—Boston**  
Codmann & Shurtleff (Virus) .....C  
**PA.—Philadelphia**  
Mulford Co., H. K. (Virus) .....AAA  
**PA.—Swiftwater**  
Pocomo Laboratories (Virus) .....D

## VALENTINES

**MASS.—Springfield**  
Taber-Prang Art Co. ....AA  
**MASS.—Worcester**  
Whitney Co., Geo. C. ....A  
**New York City**  
McLoughlin Bros, 890 Bway .....AAA

## VALISES

See Leather Goods

**GA.—Atlanta**  
Lieberman, L. ....C  
**KY.—Louisville**  
Chilton Trunk & Bag Co., Guthrie .....C  
**MASS.—Worcester**  
Warren Leather Goods Co. ....B  
**N. J. Harrison**  
Headley & Farmer Co. ....A  
**N. J.—Newark**  
Caille Co., P. ....D  
Goldsmith & Son L. ....AA  
Hager & Co. ....H  
Peddie & Co., T. B. (Inc.) .....AA  
**New York City**  
Crouch & Fitzgerald, 680 B'way .....A  
Lissa & Co., Henry .....B  
**OHIO—Cincinnati**  
Drucker & Co., N. ....A  
**PA.—Philadelphia**  
Bains & Sons, G. B., 412 Market .....A  
Miller & Strockbine, 514 Market .....X  
**WIS.—Milwaukee**  
Abel & Bach Co. ....AA  
Carpeles Co. ....A  
Romadka Bros. Co. ....AA  
**WIS.—Oshkosh**  
Schmidt Bros. Trunk Co. ....A

## VALLEYS

See also Cornices

**MO.—Nevada**

## VALLEYS (Con.)

Norman & Co., W. F. (Galvanized) .....D  
**New York City**  
Wheeling Corrugating Co. (Tin) .....AAAA  
**OHIO—Canton**  
Berger Mfg. Co. ....AA  
**OHIO—Cleveland**  
Garry Iron & Steel Co. ....A

## VALVES

See also Gates

**CAL.—San Francisco**  
American Balance Slide Valve Co., 509 Howard (High Pressure Balance Piston) .....D  
Dow Pumping Engine Co., Geo. E., 179 1st (Balance) .....AA  
Garratt & Co. W. T. (Inc.) (Gas; Globe; Water) AA  
**CONN.—Bridgeport**  
Belknap Mfg. Co.; (Air Back Pressure; Check Globe; Angle; Balanced; Brass Butterfly; Cross; Iron; Radiator Tank & Whistle; Safety) .....C  
Canfield Co., H. O. (Rubber) .....AA  
Consolidated Safety Valve Co. (Locomotive; Pop Safety; Water Relief; Check; Spring Loaded Pop) .....B  
**CONN.—Hartford**  
Johns-Pratt Co. (Rubber) .....A  
Pratt & Cady Co. (Asbestos Packed; Gate; Stop; Back Pressure; Check; Globe) ....AAA  
**CONN.—New Haven**  
Peck Bros. & Co. (Angle; Check; Gate; Globe; Brass Water Closet) AA  
**CONN.—Waterbury**  
Scovill Mfg. Co. (Bicycle) .....AAAA  
**DEL.—Elamers**  
Diamond State Fibre Co. (Fibre) .....B  
**DEL.—Wilmington**  
American Vulcanized Fibre Co. (Fibre) .....AAAA  
Delaware Hard Fibre Co. (Fibre) .....A  
**ILL.—Aurora**  
American Well Works (Windmill Float) ....AA  
**ILL.—Batavia**  
Challenge Windmill & Feedmill Co. (Windmill Float) .....AA  
U. S. Wind Engine & Pump Co. (Lever; Water Windmill Float Tank) AA  
**ILL.—Chicago**  
American Radiator Co., Lake & Dearborn (Automatic; Air; Radiator; Radiator Hot Water) .....AAAA  
Chicago Air & Water Valve Co., 31 S. Canal (Air) F  
Clow & Sons, Jas. B. (Float) .....AAA  
Crane Co., 10 N. Jefferson (Air; Asbestos; Packed; Balance Back Pressure; Blast & Gas; Check; Foot Gas Main; Globe & Angle Greenhouse; Hydraulic; Indicator Locomotive; Pop Safety; Radiator; Radiator Corner; Relief; Removable Seat; Steam Air; Safety Stop; Tank Whistle Throttle; Tubular Well; Blow Off Reducing; Snifting; Brass) .....AAAA  
Croslen Mfg. Co., 119 La Salle (Automatic Pressure Reducing) .....X  
Davis Co., Jno., 22nd & Halsted (Back Pressure Blow Off; Pressure Re-

# VALVES (Con.)

ducing Safety) .....AA  
 Davis Regulator Co., Geo. M., 145 Milwaukee Av. (Radiator Air; Back Pressure Steam; Air & Water Balance; Check; Pressure Reducing; Open Air Relief; Stop; Alson Semi-Balanced Seated; Water Relief, also Semi-Balanced Seated) .... C  
 Excelsior Steel Furnace Co., 40 W. Monroe (Radiator) A  
 Fairbanks, Morse & Co. (Railroad; Flush; Float Tank) .....AAAA  
 Federal Co., 63 Market (Flushing) ..... A  
 Glenn Valve Manufactory, 115 Tremont (Balance Check; Globe & Angle; Throttle) ..... G  
 Illinois Malleable Iron Co., 30 W. Monroe (Air; Back Pressure; Check Foot; Gate; Globe & Angle Safety Fire Sprinkler Flush) ..... AAAA  
 Klipfel & Thomas Co., 74 Lake (Back Pressure Balance; Relief; Vacuum; Automatic Air) ..... X  
 Mark Mfg. Co. (Tubular Well) ..... AA  
 Marsh & Co., James P., 224 Washn. (Steam Air; Thermostatic) ..... X  
 Monash-Younger Co., 203 S. Canal (Air Back Pressure; Globe & Angle Steam Pressure Reducing Radiator Vacuum; Automatic Air) ..... B  
 Morgan & Co., 40 Dearborn (Air for Hot Water Radiator) ..... X  
 Morgan & Wright, 331 W. Lake (Marine; Pump Rubber) .....AA  
 Norwall Mfg. Co., 40 Dearborn (Non-Adjustable Air) ..... B  
 Scott Valve Co., 32 W. Randolph (Automatic Air; Back Pressure; Balance Check Chronometer; Gas Main; Gate; Globe & Angle; Pop Safety; Pressure Reducing; Renewable Seat; Stop; Throttle; Water Relief; Whistle) D  
 Street & Kent Mfg. Co., 109 S. Jefferson (Flushing) ..... B  
 Western Valve Co., 43 W. Randolph (Blow Off Asbestos Packed; Check Back Pressure; Radiator Gate; Globe & Angle; Safety Stop) ..... B  
 Wolf Co., Fred W., 139 Rees (Ammonia; Tank) AAA  
**ILL.—Decatur**  
 Mueller Mfg. Co. H. (Reducing; Water Closet) AAA  
**ILL.—Edwardsville**  
 Edwardsville Brass Co. (Back Pressure; Flushing Hopper Tank) ..... B  
**ILL.—Galva**  
 Hayes Pump & Planter Co. (Float) ..... A  
**ILL.—Kankakee**  
 Beaumont, Richard (Gas Main, Gate for Water Mains) ..... D  
**ILL.—Kewanee**  
 Western Tube Co. (Air; Back Pressure; Check; Foot Brass & Iron Gate; Globe & Angle; Radiator; Safety Working Barrel; Radiator Hot Water) AAA  
**ILL.—Peoria**  
 Kinsey & Mahler Co. (Check; Globe; Angle) A  
**ILL.—Quincy**  
 Gardner Governor Co. (Balance; Globe & Angle

# VALVES (Con.)

Stop) ..... AA  
**ILL.—St. Charles**  
 Glenn Mfg. Co. (Globe Greenhouse) ..... D  
**ILL.—Sandwich**  
 Sandwich Mfg. Co. (Windmill Float) ..... AA  
**ILL.—Waukegon**  
 Thomas Brass & Iron Co. (Back Pressure; Check; Globe & Angle Pop Safety; Whistle) .... A  
**IND.—Auburn**  
 Zimmerman Mfg. Co. (Windmill Float) .... B  
**IND.—Butler**  
 Butler Co. (Float) ..... B  
**IND.—Connersville**  
 Connersville Blower Co. (Blast & Gas) ..... A  
 Root Co. P. H. & F. M. (Blast & Gas) ..... AA  
**IND.—Fort Wayne**  
 Kerr, Murray Mfg. Co. (Gas Main) ..... A  
 Knott-Van Arnam Mfg. Co. (Flushing) ..... B  
 Kunkle & Co., E. B. (Locomotive; Pop Safety Pressure Reducing) .... A  
**IND.—Indianapolis**  
 Monarch Governor & Machine Co. (Angle; Globe Throttle) ..... B  
 Nethery Hydraulic Valve Co. (Flushing) ..... B  
 Pioneer Brass Works, 212 S. Penn (Globe & Angle) C  
**IND.—Kendallville**  
 Flint & Walling Mfg. Co. (Windmill Float Tank) AA  
**IND.—Richmond**  
 Meerhoff, Herman H. (Vault for Outdoor Closets with sewer Connections) D  
**IOWA.—Dubuque**  
 McDonald & Morrison Mfg. Co., A. G. (Check Flushing; Globe & Angle Float) .....AA  
**IOWA.—Marshalltown**  
 Fisher Governor Co. (Pressure Reducing) ..... D  
**KY.—Louisville**  
 Caldwell Co., W. E., Brandus Av. & Brook (Gas Float; Air; Water; Steam) ..... AA  
 Howe Mfg. Co. (Globe & Angle Radiator) ..... A  
 Vogt Machine Co. Henry (Ammonia) .....AA  
**MD.—Baltimore**  
 Coale Brass Mfg. Co., Fidelity Bldg. (Muffler Locomotive; Pop Safety) B  
 Register's Sons Co., J., 49 W. Holliday (Check; Globe & Angle Radiator; Brass) ..... A  
 Robertson Mfg. Co. Jas., 30 Hanover (Acid) .... A  
**MASS.—Boston**  
 Amer. Steam Gauge Valve Mfg. Co. (Air; Tank; Pop Safety; Safety; Underwriters'; Water Relief; Portable Engine; Gas; Steam; Snifting; Hydraulic; Plain Muffled Locomotive; Radiator) A  
 Ashton Valve Co., 271 Franklin (Acid & Ammonia; Air; Asbestos Packed; Gas; Blow Off; Check; Gas & Gate; Hydraulic & Relief; Locomotive; Marine Pop Safety; Steam; Snifting) A  
 Boston Belting Co., 258 Devonshire (Ball; Rubber; Tank) ..... AAAA  
 Boston Brass Co., 36 Oliver (Flushing; Tank) .... O  
 Coffin Valve Co. (Air; Balanced; Check; Foot; Gas; Stop; Strain; Water) ..D  
 Crosby Steam Gauge &

**VALVES (Con.)**

Valve Co., 95 Oliver  
(Acid; Ammonia; Brass;  
Blow Off; Check; Heavy  
Pressure; Radiator; Lo-  
comotive; Globe & Angle;  
Pop Safety; Underwrit-  
ers'; Water Relief;  
Whistle; Air; Rubber  
Iron; Steam; Portable  
Engine; Steam Engine &  
Throttle; Gas) .....AA  
Dalton-Ingersoll Co., 169  
High (Flushing) .....X  
Dececo Co., 146 High  
(Flushing) .....D  
D'Este Co., Julian, 24 Canal  
(Pressure Reducing; Wat-  
er Relief) .....B  
Exeter Machine Wks., 32  
Oliver (Air; Gate; Rad-  
iator; Hot Water Rad-  
iator) .....B  
Gurney Heater Mfg. Co.,  
74 Franklin (Air; Rad-  
iator) .....B  
Mason Regulator Co., 158  
Sumner (Balanced; By-  
Pass Lever; Pressure Re-  
ducing; Relief; Steam;  
Vacuum) .....A  
Revere Rubber Co., 63  
Franklin (Rubber) AAAA  
Star Brass Mfg. Co.  
(Steam) .....A  
Sturtevant Co., B. F.  
(Air) .....AAA  
Walworth Mfg. Co., 132  
Federal (Air; Blow-Off  
Check; Fire Extinguisher;  
Gas Main; Gate; Gate for  
Water Mains; Globe &  
Angle; Pop Safety; Radi-  
ator; Reducing; Water  
Relief; Steam).....AAAA  
Waters Governor Co., 34  
Oliver (Pressure Reduc-  
ing) .....C  
**MASS.—Cambridge**  
Boston Woven Hose & Rub-  
ber Co. (Rubber) .....AAAA  
**MASS.—Haydenville**  
Haydenville Co. (Brass;  
Flushing; Gas; Iron; Oil;  
Radiator; Steam; Water;  
Water Closet) .....A  
**MASS.—Holyoke**  
Holyoke Valve & Hydrant  
Co. ....B  
**MASS.—Indian Orchard**  
Chapman Valve Mfg. Co.  
(Acid; Air; Ammonia;  
Blast & Gas; Blow-Off;  
Check; Fire Extinguisher;  
Gas Main; Gate; Gate for  
Water Mains; Globe &  
Angle; Hydraulic; Rad-  
iator; Radiator Corner;  
Radiator Hot Water;  
Removable Heat; Steam  
Air; Stop; Throttle;  
Water Relief; Exhaust;  
Whistle; Asbestos Packed;  
Bibb; Cross; Cyanide;  
Drip; Heavy Pressure;  
Hose; Indicator; Lever;  
Oil; Natural Gas; Quick  
Opening; Waste & Water;  
Service; Steamship; Elec-  
tric Motor Operated) AAA  
**MASS.—Lawrence**  
Lawrence Machine Co.  
(Water) .....X  
**MASS.—New Bedford**  
New Bedford Boiler &  
Mach. Co. (Float; Foot;  
Globe & Angle; Pressure  
Reducing; Radiator; Stop;  
also Automatic Stop;  
Throttle) .....B  
**MASS.—Salem**  
Locke Regulator Co. (Bal-  
ance; Check; Globe &  
Angle; Pressure Reduc-  
ing; Radiator; Relief;  
Safety; Back Pressure) A  
**MASS.—Springfield**  
Bigelow, Cheney Wire Wks.  
(Lock) .....A  
Emory Mfg. Co., P. P.  
(Lock for Rag Engines) C  
**MASS.—Worcester**  
Union Water Meter Co., 31

**VALVES (Con.)**

Herman (Chronometer;  
Steam) .....B  
**MICH.—Bay City**  
Garland Co., M. (Steam) O  
**MICH.—Detroit**  
Detroit Heating & Lighting  
Co. 335 Wight (Air; Rad-  
iator) .....B  
Detroit Lubricator Co.  
Hodges Bldg. (Globe &  
Angle; Quick Opening &  
Interlocking Steam Rad-  
iator; Radiator; Hot  
Water; Throttle; Bal-  
anced; Corner; Heavy  
Pressure; Oil; Steam;  
Water) .....AA  
Galvin Brass & Mach.  
Shop (Gate) .....X  
Harvey's Sons Mfg. Co., A.,  
22 1st (Gate) .....A  
Ideal Mfg. Co., 546 Frank-  
lin (Check; Flushing) ..A  
McRae & Roberts Co. (Air)  
A  
Michigan Lubricator Co.  
(Throttle) .....A  
Park & McKay Co., 55 Bag-  
ley Av. (Flushing) ....O  
Penberthy Injector Co., 346  
Holden (Globe; Angle) A  
Stephens-Roe Mfg. Co., 1072  
McKinley Av. (Back Pres-  
sure; Balance; Check;  
Gas Main; High Pressure  
Gate; Globe & Angle;  
Pop Safety; Pressure Re-  
ducing; Radiator; Radi-  
ator Corner; Hot Water  
Radiator; Steam Air;  
Stop; Throttle; Water  
Relief; Corner; Marine  
Pop Safety) .....A  
United States Heater Co.  
(Radiator) .....A  
**MICH.—Muskegon**  
Heap & Son, Win. (Syphon  
Flushing) .....D  
**MICH.—Port Huron**  
Draper Mfg. Co. (Ball  
Check) .....D  
Lee Injector Mfg. Co.  
(Check; Foot) .....B  
**MICH.—Saginaw**  
Wickes Bros. (Blow-off)  
AAA  
**MICH.—Three Rivers**  
Sheffield Car Co. (Auto-  
matic Relief; Hydraulic)  
AA  
**MINN.—St. Paul**  
South Park Fdry. & Mach.  
Co. (Gate; for Water  
Mains) .....B  
**MO.—Kansas City**  
Crampton-Farley Brass Co.  
(Hopper) .....E  
**MO.—St. Louis**  
Cahill, Swift Mfg. Co.  
(Check; Gate) .....B  
Nelson Mfg. Co., N. O.,  
8th & St. Charles (Check;  
Flushing) .....AAA  
Pleuger & Henger Mfg. Co.,  
11th & Hebert (Globe &  
Angle; Air; Water; Gas;  
Steam) .....A  
**N. H.—Concord**  
Page Belting Co. (Leather,  
all Kinds) .....AA  
**N. H.—Exeter**  
Exeter Brass Wks. (Tank)  
O  
**N. J.—Belleville**  
Eastwood Wire Mfg. Co.  
(Gate; Pressure Re-  
ducing; Radiator; Radia-  
tor, Hot Water) .....A  
**N. J.—Camden**  
Fullmer & Co., A. J.  
(Check) .....A  
**N. J.—Jersey City**  
Griffing Iron Co., A. A.  
(Air; Radiator; Angle;  
Corner; Gate; Globe;  
Hydraulic Quick Opening;  
Steam) .....AA  
New Jersey Car Spring &  
Rubber Co. (Rubber) AA  
Voorhees Rubber Mfg. Co.,  
18 Bostwick Av. (Rubber)  
A

# VALVES (Con.)

**N. J.—Newark**  
 Foster Engineering Co.,  
 107 Monroe (Automatic  
 Air; Back Pressure; Bal-  
 ance; Check; Float; Non-  
 Return & Emergency  
 Stop; Reducing; Safety) A  
 Isbell-Porter Co. (Gas) ...D  
 Smith Mfg. Co., A. P. (Gate  
 for Water Mains) .....B  
**N. J.—Paterson**  
 Royle & Sons, Jno. (Flush-  
 ing; Waste) .....A  
**N. J.—Trenton**  
 Consolidated Rubber Co.  
 (Rubber) .....B  
 Crescent Belting & Pack'g  
 Co. (Rubber) .....A  
 Empire Rubber Mfg. Co.  
 (Rubber; Pump) .....AA  
 Hamilton Rubber Co. (Rub-  
 ber) .....A  
 Home Rubber Co. (Rubber)  
 AA  
 Mercer Rubber Co. (Rub-  
 ber) .....A  
 Stokes Rubber Co., Joseph  
 (Rubber) .....A  
 Trenton Rubber Mfg. Co.  
 (Rubber; Rubber Ball) ...A  
 United & Globe Rubber Mfg.  
 Co. (Rubber) .....AAA  
 Whitehead Bros. Rubber Co.  
 (Rubber) .....A  
**N. Y.—Albany**  
 Albany Brass & Iron Co.  
 (Flushing) .....D  
 Albany Steam Trap Co.  
 (Check; Gate; Radiator;  
 Renewable Seat; Stop;  
 Globe; Steam) .....D  
**N. Y.—Brooklyn**  
 Acton, Jno., 118 John (Back  
 Pressure; Balance; Pop  
 Safety; Pressure Red-  
 ucing; Atmospheric Re-  
 lief Safety Stop; Water  
 Relief) .....D  
 Continental Iron Wks. (Gas  
 Works) .....A  
**N. Y.—Buffalo**  
 Sherwood Mfg. Co., 34  
 Washington (Pop Safety;  
 Whistle) .....B  
 Trout & Hickok, 226 Ohio  
 (Safety) .....B  
**N. Y.—Coxsackie**  
 Amer. Valve Co. (Ammonia;  
 Check; Globe & Angle; Ra-  
 diator) .....D  
**N. Y.—Elmira**  
 Swift Lubricator Co. (Pop  
 Safety) .....B  
**N. Y.—Frankfort**  
 Utica Steam Gauge Co. (Ra-  
 diator) .....X  
**N. Y.—Lockport**  
 Amer. District Steam Co.  
 (Back Pressure; Packless  
 Iron; Brass Body Gate)  
 AAA  
**N. Y.—Newburgh**  
 Coldwell-Wilcox Co. (Back  
 Pressure; Check; Gate, for  
 Water Mains; Globe &  
 Angle; Greenhouse; Stop)  
 B  
**New York City**  
 Aller, A., 109 Liberty (Mfrs'  
 Agent - Back Pressure) .D  
 Ashcroft Mfg. Co. (Safety) A  
 Barr Co., Edward (Brass) X  
 Bushnell & Co., Jno. S., 120  
 Liberty (Pressure Red-  
 ucing) .....E  
 Creamer Steam Specialties  
 Co., 123 Liberty (Bal-  
 ance) .....R  
 Drummond & Co., M. J., 192  
 B'way (Gate, for Water  
 Mains) .....A  
 Baton, Cole & Burnham Co.,  
 253 B'way (Back Pres-  
 sure; Check; Gas Main;  
 Gate; Radiator; Safety;  
 Brass; Disk; Globe;  
 Steam; Steam Engine;  
 Throttle) .....AAAA  
 Fairbanks Co., 416 Broome

**VALVES (Con.)**  
 (Asbestos Packed; Back  
 Pressure; Check; Gate;  
 Globe & Angle; Radiator;  
 Stop; Ammonia; Brass;  
 Iron; Reducing; Air;  
 Water; Gas; Steam; Bal-  
 anced; Blow off; Exhaust;  
 Fire Sprinkler; Float;  
 Lever; Relief; Safety;  
 Snifting; Vacuum) AAAA  
 Ford Co., Thomas P., 81  
 Centre (Back Pressure;  
 Tank Balance; Balance  
 Ball Cock High Pressure;  
 Steam & Water Pressure  
 Reducing; Balanced  
 Tank) .....D  
 Gold Car Heating & Light-  
 ing Co., 6 N. Y. & Brook-  
 lyn Bridge (Air; Radiator)  
 .....B  
 Goodyear Rubber Co. (Rub-  
 ber; Ball) .....AAAA  
 Goodyears' Ind. Rubber  
 Glove Mfg. Co. (Rubber;  
 Ball) .....AAAA  
 Gutta Percha & Rubber Mfg.  
 Co., 126 Duane (Rubber;  
 Rubber Ball) .....AAAA  
 Harlem Mfg. Co., 42 W 67th  
 (Automatic Air; Pressure  
 Reducing) .....F  
 Hunt Co., C. W. (Coal) .AA  
 Hussey & Son, Wm. H., 37  
 Dey (Back Pressure) .B  
 Jenkins Bros., 71 John  
 (Automatic Air; Back  
 Pressure; Blow-Off;  
 Check; Gate; Brass & Iron  
 Body Globe & Angle; Ra-  
 diator; Rubber; Safety;  
 Water; Acid; Corner;  
 Cross; Gas; Quick Open-  
 ing; Oil; Ammonia; Lever  
 Reducing; Relief) ....A  
 Jones, T. W., 18 Fletcher  
 (Weather) .....E  
 Kennedy Valve Mfg. Co.,  
 59 Beekman (Check;  
 Gate; Globe & Angle; In-  
 dicator; Radiator; Acid;  
 Ammonia; Brass; Corner;  
 Gas; Hydraulic; Iron;  
 Lever; Natural Gas; Oil;  
 Quick Opening; Steam;  
 Tank; Waste; Water;  
 Windmill Float; Air;  
 Balanced; Safety) ....A  
 Kenny Mfg. Co., 72 Trinity  
 Place (Flushing) ....D  
 Kieley & Mueller, 7 W.  
 13th (Back Pressure;  
 Pressure Reducing) ....B  
 Libby Mfg. Co., 75 Watts  
 (Gate; Globe & Angle) E  
 McNab & Harlin Mfg. Co.,  
 56 John (Check; Gas  
 Main; Gate; Globe &  
 Angle; Radiator; Safety;  
 Throttle; Steam; Water;  
 Air; Relief) .....AAA  
 Manhattan Rubber Mfg.  
 18 Vesey (Rubber) .AA  
 Mott Iron Wrks., J. L., 88  
 Beekman (Flushing) AA  
 Nason Mfg. Co., 81 Beek-  
 man (Pressure Reducing;  
 Ammonia; Elevator;  
 Quick Opening; Radiator)  
 B  
 Nelson, Chas., 439 E. 10th  
 (Check) .....D  
 New York Belting & Pack-  
 ing Co. (Ltd.) 25 Park  
 Place (Rubber; Rubber  
 Ball) .....AAA  
 N. Y. Rubber Co., 84 Reade  
 (Rubber; Rubber Ball)  
 AA  
 Peerless Rubber Mfg. Co.,  
 16 Warren (Rubber) AA  
 Power Specialty Co., 126  
 Liberty (Rubber; Ar-  
 mored Pump) .....E  
 Smith Co., H. B., 187  
 Centre (Air; Radiator)  
 AA  
 Standard Steam Specialty  
 Co., 111 5th Av. (Back  
 Pressure; Pressure Red-  
 ucing) .....D  
 Stehn, Henry, 48 Cliff  
 (Gate; Globe & Angle;

# **VALVES (Con.)**

Radiator) ..... E  
 Trageser Steam Copper  
 Wks., Jno. (Float) .... B  
 Waterbury Rubber Mfg.  
 Co., 49 Warren (Rubber)  
 D  
 Watson-Stillman Co., 210 E.  
 43rd (Hydraulic; Gate;  
 Reducing; Relief; Safety)  
 A  
 Worthington Pumping En-  
 gine Co. (Check) ..AAAA  
 N. Y.—North Tonawanda  
 Niagara Radiator Co.  
 (Air) ..... A  
 N. Y.—Oswego  
 Kitts Mfg. Co. (Water  
 Pressure Reducing) .... D  
 N. Y.—Rochester  
 Clark Novelty Co. (Bicycle)  
 D  
 Judson Governor Co.  
 (Steam; Stop) ..... B  
 N. Y.—Seneca Falls  
 Goulds Mfg. Co. (Check)  
 AAA  
 N. Y.—Syracuse  
 Kendrick Valve & Washer  
 Co. (Sewer; Check) .... O  
 Pierce, Butler & Pierce  
 Mfg. Co. (Air; Radiator)  
 AAA  
 Syracuse Faucet & Valve  
 Co. (Radiator) ..... X  
 N. Y.—Troy  
 Hammett, H. G., 476 8th  
 (Balance; Balance Slide  
 Locomotive; Relief Back  
 Pressure) ..... D  
 Ludlow Valve Mfg. Co.  
 (Air; Ammonia; Check;  
 Gas Main; Gate for Water  
 Mains; Relief; Stop;  
 Brass; Flushing; Lever;  
 Natural Gas; Oil; Steam;  
 Water) ..... AAA  
 Rensselaer Mfg. Co. (Gas  
 Main; Gate for Water  
 Mains; Radiator; Stop;  
 Brass; Indicator; Natural  
 Gas; Oil; Quick Opening;  
 Steam; Water; Check) C  
 Ross Valve Co., 6 Oak-  
 wood Av. (Gate, for  
 Water Mains; Pressure  
 Reducing; Relief for Wa-  
 ter Mains; Balanced;  
 Gas; Hydraulic; Steam;  
 Check) ..... C  
 N. Y.—Waterford  
 Eddy Valve Co. (Air;  
 Check; Automatic Bal-  
 ance Float; Foot; Gas  
 Main; Taper Seat Gate;  
 Gate, for Water Main;  
 High Pressure; Hy-  
 draulic; Stop; Water;  
 Hose; Steam) ..... AA  
 N. Y.—Yonkers  
 Van Auken-Cleveland Co.  
 (Syphon Automatic; Back  
 Pressure; Radiator;  
 Steam; Air) ..... E  
**OHIO—Akron**  
 Diamond Rubber Co. (Rub-  
 ber) ..... AAAA  
 Goodrich Co., B. F.  
 (Rubber) ..... AAAA  
 Whitman & Barnes Mfg. Co.  
 (Rubber) ..... AAAA  
**OHIO—Alliance**  
 Morgan Engineering Co.  
 Check; Critchlow; Globe  
 & Angle; Hydraulic;  
 High & Low Pressure Re-  
 ducing; Stop) .... AAAA  
**OHIO—Canton**  
 Arctic Machine Co. (Am-  
 monia) ..... X  
**OHIO—Cincinnati**  
 Amer. Valve & Meter Co.  
 (Check; Float; Brass  
 Gate; Brass Globe &  
 Angle; Air; Water; Gas;  
 Steam; Blow-Off; Relief)  
 A  
 Bourbon Copper & Brass  
 Wks., 618 E. Front (Foot;  
 Gate for Water Mains;  
 Stop) ..... A  
 Frisbee Engine & Machine  
 Co. (Balanced) ..... X  
 Hauck Mfg. Co. (Central

# **VALVES (Con.)**

Brass Works) 822 W.  
 Pearl (Air; Water; Gas;  
 Steam; Blow-Off; Ex-  
 haust; Gate; Reducing;  
 Relief; Safety; Balance;  
 Check; Flushing; Globe  
 & Angle; Radiator;  
 Whistle) ..... D  
 La'dlow-Dunn-Gordon Co.  
 (Tank) ..... AAAA  
 Lunkenheimer Co., Beekman  
 & Waverly (Air; Blow-  
 Off; Check; Foot; Gate;  
 Globe & Angle; Locomo-  
 tive; Pop Safety; Pressure  
 Reducing; Radiator; Ra-  
 diator, Corner; Radiator,  
 Hot Water; Relief; Re-  
 grinding; Renewable Seat;  
 Steam Air; Stop; Throt-  
 tle; Water Relief; Whis-  
 tle; Brass; Cross; Iron;  
 Quick Opening; Safety;  
 Gas; Steam; Gasoline En-  
 gine Generator; Lever;  
 Snifting) ..... AA  
 McGowan Co., Jno. H. (Gas;  
 Brass; Gate; Steam; Wa-  
 ter Safety; Relief) ... A  
 Pfau Mfg. Co., 532 Hunt  
 (Flushing) ..... B  
 Powell Co., Wm., 2529  
 Spring Garden Av. (Air;  
 Blow-Off; Check; Gate;  
 Globe & Angle; Hydraul-  
 ic; Pop Safety; Radiator,  
 Corner; Radiator; Throt-  
 tle; Water Relief; Whis-  
 tle) ..... A  
 Queen City Brass & Iron  
 Wks. (Back Pressure  
 Blow-off; Check; Gate;  
 Brass Globe & Angle;  
 Pop Safety; Radiator;  
 Radiator, Corner; Radia-  
 tor Hot Water; Whistle)  
 B  
 Riegler, Alexander, 322 W.  
 Pearl (Globe & Angle) F  
 Triumph Ice Machine Co.,  
 610 Baymiller (Ammonia)  
 A  
**OHIO—Cleveland**  
 Bowler F'dry Co. (Gas;  
 Main) ..... B  
 Burton & Johnson, 107 W.  
 Center (Rubber; Pressure  
 Reducing) ..... F  
 Forest City Brass Works  
 (Float) ..... B  
 Strong, Carlisle & Hammond  
 Co., 61 Frankfort (Gate;  
 Globe & Angle) ..... A  
**OHIO—Columbus**  
 Columbus Brass Co. (Flush-  
 ing) ..... A  
 Hayden Mfg. Co., N. L.  
 (Pop Safety) ..... B  
 Ohio Pump & Brass Co.,  
 18th & Oak (Gas) ..... C  
**OHIO—Dayton**  
 Buckeye Iron & Brass Wks.  
 (Air; Back Pressure;  
 Check; Globe & Angle;  
 Pop Safety; Radiator;  
 Radiator, Hot Water;  
 Rubber; Throttle; Whis-  
 tle) ..... AA  
 Dayton Globe Iron Wks.  
 Co. (Gas) ..... B  
**OHIO—Mansfield**  
 Humphreys Mfg. Co.  
 (Flushing) ..... B  
 Ohio Brass Co. (Check;  
 Globe & Angle) ..... AA  
 Safety Cylinder Valve Co.  
 (Safety) ..... B  
**OHIO—Springfield**  
 Nolte Brass Co. (Air; Wa-  
 ter;; Gas; Steam; Check)  
 D  
 Springfield Brass Co.  
 (Check; Flushing; Globe  
 & Angle; Safety; Tank,  
 all kinds; Brass) ..... B  
**PA.—Butler**  
 Evans Mfg. Co. (Check) .. B  
**PA.—Chester**  
 Vulcan Works (Hydraulic;  
 Balanced; Check) ..... B  
**PA.—Coushohocken**  
 Tate & Son, Wm. T. (Gas

# **VALVES (Con.)**

Main) .....A  
**PA.—Erie**  
 Campbell Brass Wks., J. B.  
 (Lock Shield Gas Main)A  
 Continental Rubber Wks.  
 (Rubber) .....A  
 Jarecki Mfg. Co. (Air;  
 Check; Gate; Globe & An-  
 gle; Radiator; Rubber;  
 Safety; Throttle; Gas;  
 Brass; Water; Steam;  
 Ammonia; Relief) AAAA  
 Keystone Brass Co. (Globe  
 & Angle) .....D  
**PA.—Homestead**  
 Homestead Valve Mf. Co.  
 (Blow-Off; Straightway;  
 Hydraulic; Blow-Off Lo-  
 comotive) .....C  
**PA.—Jeannette**  
 Penna. Rubber Co. (Rub-  
 ber) .....AA  
**PA.—Lebanon**  
 Welmer Machine Wks. Co.  
 (Blast; Gas) .....AA  
**PA.—Nazareth**  
 Nazareth Fdry. & Mach.  
 Co. (Relief) .....B  
**PA.—New Castle**  
 Penna. Engineering Wks.  
 (Gate) .....AA  
**PA.—Philadelphia**  
 Belfield & Co., H., 433 N.  
 Broad (Air; Ammonia;  
 Back Pressure; Balance;  
 Blow-Off; Check; Foot;  
 Gate; Globe & Angle;  
 Hydraulic; Cylinder Lo-  
 comotive; Radiator; Brass  
 or Iron Safety; Stop;  
 Throttle; Vacuum; Au-  
 tomatic Air; Iron, Reduc-  
 ing) .....AA  
 Berger Bros. Co. (Pump;  
 Boat) .....A  
 Cooper Brass Wks., Wm.  
 S., 437 N. 12th (Flushing)  
 B  
 Eynon-Evans Mfg. Co., 1519  
 Clearfield (Blow-Off; Ex-  
 tra Heavy Check; Globe &  
 Angle; Air; Water; Gas;  
 Steam; Exhaust) .....A  
 Haines, Jones & Cadbury  
 Co., 1136 Ridge Av.  
 (Flushing; Steam; Wa-  
 ter) .....AA  
 Homer Brass Wks. (Inc.),  
 231 Race (Check; Flush-  
 ing; Globe & Angle)....C  
 Lonergan & Co., J. E., 211  
 Race (Check; Pressure  
 Reducing; Spring Loaded  
 Safety; Relief; Marine  
 Pop Safety; Pop Safety;  
 Water Relief) .....AA  
 McCambridge & Co. (Ltd.),  
 527 Cherry (Flushing;  
 Brass) .....B  
 Pancoast & Co., H. B., 243  
 S. 13th (Foot).....B  
 Penn Engineering Co., 312  
 Cherry (Radiator; Radia-  
 tor Hot Water).....E  
 Penna. Light Supply Co.  
 (Gas Saving) .....X  
 Perkes, Chas., 627 Arch  
 (Globe & Angle).....AA  
 Philadelphia Roll & Ma-  
 chine Co., 23rd & Wash-  
 ington Av. (Air; Water;  
 Gas; Steam) .....A  
 Savill, Thos., 11th & Wood  
 (Hopper) .....C  
 Sayen & Schultz, 13th &  
 Commerce (Rubber) ...C  
 Schutte & Koering Co., 1251  
 N. 12th (Back Pressure;  
 Balance; Check; Globe &  
 Angle; Hydraulic; Loco-  
 motive; Radiator; Relief;  
 Stop; Throttle) .....A  
 Thompson & Co., J., Cor.  
 Van Horn & Sophia (Pop-  
 pet Air; Check; Foot;  
 Gas Main; Gate, for Wa-  
 ter Mains; Stop) .....A  
 Watson & McDaniel Co., 416  
 N. 7th (Blow-Off; Bal-  
 ance Rotating Hydraulic;  
 Pressure Reducing for  
 Steam; Water & Air; Wa-  
 ter Relief) .....C

# **VALVES (Con.)**

Wood & Co., R. D., 400  
 Chestnut (Gate, for Wa-  
 ter Mains; Air; Iron; Gas  
 Works; Steam; Water)  
 AAAA  
**PA.—Pittsburg**  
 Amer. Furnace & Mach. Co.  
 (Air; Water; Gas;  
 Steam) .....D  
 Best Mfg. Co., 25th & A. V.  
 Ry. (Back Pressure; Blow  
 Off; Check; Foot; Gate;  
 Globe & Angle; Gulland  
 Tank; Pressure Reducing;  
 Butterfly; Hydraulic Re-  
 lief; Safety; Throttle)  
 AA  
 Bonar & Co., Jas., Carnegie  
 Bldg. (Pop Safety)....B  
 Cadman Mfg. Co., A. W.,  
 63 Water (High Pressure  
 Blow-Off; Brass) .....C  
 Chaplin-Fulton Mfg. Co.  
 (Inc.) (Natural Gas; Re-  
 ducing; Steam) .....A  
 Kelly & Jones Co., 135 Wa-  
 ter (Compression & Lock  
 Shield Air; Air for Coal  
 Mines; Back Pressure;  
 Blow-Off; Check; Chron-  
 ometer; Iron Foot; Brass  
 & Iron Gate; Brass & Iron  
 Globe & Angle; Radiator;  
 Radiator, Hot Water;  
 Safety; Steam Air; Whis-  
 tle) .....AA  
 Pittsburg Brass Mfg. Co.,  
 107 Wood (Thermostat).D  
 Pittsburg Valve F'dry &  
 Construction Co., 5th &  
 Duquesne Way (Critch-  
 low; Gas Main; Gate;  
 Iron & Brass Globe & An-  
 gle; Hydraulic; Mud)  
 AAA  
 Standard Sanitary Mfg. Co.,  
 Arrott Bldg. (Flushing)  
 AAAA  
 Sterrit Fdy Co., Thos. (Gas)  
 B  
 Trethewey & Co. (Ltd.),  
 Sam'l, 47th & Butler  
 (Piston) .....F  
 Velte Fdry & Machine Co.,  
 Home & A. V. R. B.  
 (Gas; Siemen; Air; Wa-  
 ter; Steam; Air Furnace)  
 A  
 Willson, Snyder Mfg. Co.  
 (Steam) .....AA  
**PA.—Reading**  
 Reading F'dry Co. (Gate,  
 for Water Mains; Stop)  
 X  
**PA.—Sayre**  
 Cayuta Mfg. Co. (Gate for  
 Steam, Gas, & Oil; Gate  
 for Water Mains) .....B  
**PA.—Towanda**  
 Loetzer Valve & Mfg. Co.  
 (Air, for Water Mains;  
 Check; Gas Main; Globe  
 & Angle; Plug; Vacuum  
 Automatic Air, for Water  
 Mains) .....X  
**PA.—Warren**  
 Bashlin Co. (Globe & An-  
 gle) .....B  
**PA.—Williamsport**  
 Darling Pump & Mfg. Co.  
 (Ltd.) (Air; Ammonia;  
 Blow-Off; Check; Foot;  
 Gas Main; Gate, for Wa-  
 ter Main; Hydraulic; Ra-  
 diator; Rubber; Leather)  
 B  
**PA.—Waynesboro**  
 Frick Co. (Ammonia)AAAA  
**PA.—Wyndmoor**  
 Nelson Valve Co. of N. J.  
 (Gate; Globe & Angle)...D  
**PA.—York**  
 Burrows Mfg. Co. (Back  
 Pressure) .....E  
 York Mfg. Co. (Ammonia)  
 AAA  
**R. I.—Pawtucket**  
 Fales & Jenks Machine Co.  
 (Gate) .....AAA  
**R. I.—Providence**  
 General Fire Extinguisher  
 Co. (Brass; Iron; Fire  
 Alarm) .....AAA

**VALVES (Con.)**

Providence Steam Trap Co.  
(Iron) .....D  
**TENN.—Chattanooga**  
 Gustafson Mfg. Co. (Globe  
& Angle) .....O  
**VA.—Lynchburg**  
 Glamorgan Pipe & F'dry Co.  
(Gate) .....AA  
**WIS.—Milwaukee**  
 Allis-Chalmers Co. (Ammon-  
ia) .....AAAA  
 Hoffmann Mfg. Co., B., 257  
6th (Air; Back Pressure;  
Blow-Off; Check; Foot;  
Gas Main; Gate; Safety;  
Stop; Throttle) .....A  
 Hoffman & Billings Mfg.  
Co., 96 2nd (Air; Back  
Pressure; Blow-Off;  
Check; Gas Main; Gate;  
Safety; Stop; Throttle;  
Foot) .....AA  
 Johnson Service Co. (Steam,  
Water, Air & Gas Pres-  
sure Reducing) .....AAA  
 Milwaukee Brass Mfg. Co.  
(Hose, for Fire Escape  
Pipes) .....O  
 Pressed Steel Tank Co., 718  
Hanover (Air Discharge;  
Pressed Steel) .....B

**VANES**

**ILL.—Chicago**  
 Barbee Wire & Iron Wks.,  
44 Dearborn (Weather).B  
 Booth, Jno., 114 E. Lake  
(Weather) .....B  
 Smith Wire & Iron Wks.,  
F. P., 100 Lake (Weath-  
er) .....AA  
**MASS.—Boston**  
 Jones & Co., M. D., 71  
Portland (Weather) ...G  
 Snow & Co., W. A., 19  
Portland (Copper Weath-  
er) .....C  
**MICH.—Detroit**  
 Amos & Co., Chas., 94 W.  
Larned (Weather) ....F  
 Barnum Wire & Iron Wks.,  
E. T., 103 Shelby  
(Weather) .....B  
**MO.—Kansas City**  
 Kansas City Wire & Iron  
Wks. (Weather) .....A  
**New York City**  
 Dorendorf, Dederick, 44  
Centre (Weather) ....H  
 Flske Iron Works, J. W.,  
39 Park Pl. (Weather)  
.....B  
 Washbourne & Co., Edw.  
G. (Weather) .....E  
 Westervelt, A. B. & W. T.,  
102 Chambers (Weather)  
.....B  
**OHIO—Canton**  
 Canton Steel Roofing Co.  
(Weather) .....A  
**OHIO—Cleveland**  
 Van Dorn Iron Wks. Co.,  
1793 E. Madison Av.  
(Weather) .....AA  
**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred J.  
(Weather) .....B  
**OHIO—Kenton**  
 Champion Iron Co. (Weath-  
er) .....AA  
**OHIO—Salem**  
 Mullins, W. H. (Weather)  
.....A  
**PA.—Philadelphia**  
 Goodwin, Frederick O., 53d  
& Wyalusing (Weather)  
.....D  
 Hentis, Wm. G., 1347 Ridge  
Av. (Weather) .....B  
 Jackson & Cook, 318 Mar-  
ket (Weather) .....B  
 Thorn Co., J. S., 1227 Cal-  
lowhill (Weather) ....A  
**PA.—Pittsburg**  
 Hum & Leatherman  
(Weather) .....B  
 Taylor & Deen, 205 Mar-  
ket (Weather) .....B

**VANILLIN**

New York City  
 Bischoff & Co., C. ....B  
 Dodge & Olcott .....AAA  
 Fries Bros., 92 Reade....A  
 Heyden Chemical Wks....A  
 Klipstein & Co., A.....AA  
 Magnus & Lauer .....C  
 Warner Chemical Co.....AAA  
**PA.—Philadelphia**  
 Grow & Co., Howard....X

**VANS**

See Carriages & Wagons

**VAPORIZERS**

**DEL.—Wilmington**  
 Heinel Co., H. S. ....D  
**MICH.—Kalamazoo**  
 National Vaporizer Co....F  
 New York City  
 Vapo-Cresoline Co., 180 Ful-  
ton .....C  
**N. Y.—Westfield**  
 Burns Vaporizer Co.....C  
**PA.—Philadelphia**  
 Physicians Supply Co., 125  
N. Broad .....E

**VARIATORS**

See also Machy

**N. Y.—Lockport**  
 American District Steam  
Co. (Single & Double Ex-  
pansion) .....AAA

**VARNISHES**

See also Paints

**CAL.—San Francisco**  
 Hueter, E. L. ....AA  
**CONN.—Bridgeport**  
 Crockett Co., D. B., 24 P.  
O. Arcade .....B  
 Parrott Varnish Co., 453  
N. Washn. Av. ....A  
**ILL.—Chicago**  
 American Varnish Co....A  
 Chicago Varnish Co., Dear-  
born Av. & Kinzie ....AA  
 Chicago Wood Finishing  
Co., 259 Elston Av. ....A  
 De Gollyer-Watts Co., 377  
Illinois .....A  
 Elmendorf, Wm. A., 33  
Larrabee .....C  
 Grace Varnish Co., 125 Lar-  
rabee .....D  
 Henderson Varnish Co.,  
1088 N. Wood .....D  
 Moller & Schuman, 319 S.  
Canal (Black; Carriage;  
Floor; House; Marine;  
Mixing; Shellac) ....AA  
 Nubian Paint & Varnish  
Co., N. 51st Av. ....D  
 Rubber Paint Co., 154 W.  
Van Buren .....AA  
 Stewart, Mowry & Co., 3218  
Shields Av. ....C  
 Surrey Varnish Co., 926  
Ainslie .....D  
 Thurston & Co., F. W., 29  
River .....A  
 Vilas Bros., 227 5th Av...B  
 Washbourne, Thos. F., 14  
Lester Av. ....C  
 Watson Co., Geo. E., 108  
Lake .....B  
**IND.—Indianapolis**  
 Ind. Varnish Co. ....B  
 Lilly Varnish Co. ....B  
**IND.—South Bend**  
 O'Brien Varnish Co.....A  
**KY.—Louisville**  
 Louisville Varnish Co., 14th  
& Maple .....A  
**LA.—New Orleans**  
 Barrett Mfg. Co., Hennen  
Bldg. ....AAAA  
 McWilliams, R. H., 342  
Camp .....C  
 Riers & Bro., A. ....D  
**MAINE—Portland**  
 Fuller Co., A. P. ....C  
**MD.—Baltimore**  
 Baltimore Dry Paint Works



**VARNISHES (Con.)**

Ostend & Stockholm (Asphaltum) .....E  
 Chesapeake Oil Co., Ostend & Stockholm .....D  
 Foy & Co., E. L., 16 W. Camden (Black) .....E  
 Macneal & Co., Jas. B., 34 S. Calvert .....A  
 Poppelein, G. & N., 220 North .....B  
**MASS.—Boston**  
 Babcock & Co., John, 104 Water .....B  
 Babcock Varnish Co., 10 Oliver .....C  
 Burbank & Ryder, 62 Alford .....A  
 Gould & Cutler, 75 Union C  
 Mass. Chemical Co., 200 Summer .....A  
 Nash, Winslow & Co., 90 Pearl .....A  
 Stickney & Co., J. W., 70 Milk .....B  
 Wiley & Co., L. H., 92 Sudbury .....B  
**MASS.—Lowell**  
 Kittredge & Co., A. L., C  
**MASS.—Springfield**  
 Hampden Paint & Chemical Co. ....B  
**MICH.—Detroit**  
 Acme Lead & Color Co., St. Aubin Av. & M. C. R. R. ....AAA  
 Acme White Lead & Color Wks., St. Aubin Av. ....A  
 Berry Bros., Ltd. ....AAAA  
 Roydell Bros. & White Lead & Color Co., 18 E. Congress .....AA  
 Buckeye Paint & Varnish Co., 715 Gratiot .....D  
 Continental Paint & Varnish Co., Clay & St. Aubin Aves. ....D  
 Detroit Varnish Co., 552 Milwaukee .....AA  
 Detroit White Lead Works, 532 Milwaukee .....AA  
 McNamara, Michael, Clark Av. ....B  
 Peninsula Paint & Varnish Co., St. Aubin Av. & M. C. R. R. ....A  
**MINN.—St. Paul**  
 Twin City Varnish Co., 521 Cleveland Av. ....B  
**MO.—Kansas City**  
 Continental Varnish & Color Co., 1315 W. 8th .....D  
 Hawkins Mfg. Co., 11 E. Levee .....D  
**MO.—St. Louis**  
 Gregg Varnish Co., 811 N. 6th .....C  
 Hoffman Mfg. Co., L., 2720 De Kalb .....C  
 Vane-Calvert Paint Co., 823 Locust .....B  
 Wellpott, C. H. W., 3220 N. B'way .....D  
**N. J.—Hoboken**  
 Hotopp Varnish Co. ....B  
**N. J.—Jersey City**  
 Gillespie & Sons, Chas. H., Marion .....B  
**N. J.—Montclair**  
 Hastings & Winslow ....C  
**N. J.—Newark**  
 Anglo-American Varnish Co., 53 Johnson .....B  
 Beckwith-Chandler Co., 193 Emmett .....AA  
 Bigelow Varnish Co., 356 Mulberry (Black; Carriage; Floor; House; Marine; Mixing; Railroad; Shellac; Cabinet) .....B  
 Bolen-Bond Varnish Co., 352 Mulberry (Cabinet; Floor; Railway) .....X  
 Brooks & Co., Clarence, 249 Chestnut .....A  
 Fitzgerald Co., 365 Mulberry .....C  
 Flood & Conklin Co., 136 Chestnut .....AA  
 Laute & Dax, 92 Vesey .....B  
 Murphy Varnish Co., 238 McWhorter .....AAAA

**VARNISHES (Con.)**

Newark Varnish Wks., 97 Delancey .....B  
 Palmer-Price-Bolen Co., 270 Chestnut .....D  
 Wheeler & Mitchell, 317 N. J. R. R. Av. (Black; House; Mixing; Shellac) D  
**N. J.—Rahway**  
 Egyptian Lacquer Mfg. Co. D  
**N. Y.—Binghamton**  
 Collier, W. C. ....C  
**N. Y.—Brooklyn**  
 Bartels & Slitgenbauer, Stewart Av. ....B  
 Bohners Sons, Jos., 1093 Met. Av. ....D  
 Bungart, Peter, 295 Greenpoint Av. ....D  
 King Paint Mfg. Co., 23 Durham Pl. (Floor; Marine; House; Mixing; Shellac) .....B  
 Lizka, G. C., 215 Varet .....B  
 Marx & Rawolle .....AA  
 Masury & Son, Jno. W., 50 Jay .....AAAA  
**N. Y.—Buffalo**  
 Buffalo Enamel & Stain Co., Ellicott Sq. ....D  
 Buffalo Oil, Paint & Varnish Co., 1317 Elk .....AA  
 Chase, Roberts & Co. ....B  
 Denther & Beck, 50 Niagara .....B  
 Farr Mfg. Co., Marion & Fulton (Insulating) ....E  
 McDougall White Lead Co., 1317 Elk .....AA  
 McLennan Paint Co., 206 Rano (Black; Carriage; Floor; House; Marine; Mixing) .....A  
**N. Y.—L. I. City**  
 Colman & Co., Emil .....AA  
 Pratt & Lambert .....A  
 Queens Co. Varnish Wks. (Black; Carriage; Floor; House; Marine; Mixing; Shellac) .....E  
 Thibaut & Co., E. A. ....A  
**New York City**  
 Billings, King & Co., 438 Pearl .....A  
 Celluloid Zapon Co., 12 E. 18th .....B  
 De Bono Co., F. S., 46 Cliff .....C  
 Devoe, F. W. & C. T. Reynolds Co., 103 Fulton .....AAAA  
 Dunham, Thos. C., 68 Murray .....D  
 Excelsior Varnish Works, 381 Pearl .....A  
 Graves & Co., N. Z., 296 Pearl .....AAA  
 Harland & Son, Wm., 4 Gold .....AA  
 Hasenbalg & Co., F., 714 E. 166th .....D  
 Hildreth Varnish Co., 32 B'way .....A  
 Longman & Martinez, 207 Pearl .....AAA  
 Mavor & Lowenstein, 164 Water .....AAA  
 Newcomb, Jas. G., 26 B'way (Black; Floor; House; Mixing; Shellac) .....AAAA  
 Pierce Co., F. O., 170 Fulton .....A  
 Pomeroy & Fisher, 28 Frankfort .....A  
 Schlegel, Oscar, 182 Grand D  
 Sice, J. Noah, 141 B'way D  
 Smith & Co., Edw., 45 B'way .....A  
 Standard Varnish Wks., 20 B'way .....AA  
 Stoeckel, Randolph E., D  
 Valentine & Co., 257 B'way .....AAA  
 Zinsser & Co., Wm., 197 William .....AA  
**N. Y.—Utica**  
 Central N. Y. Varnish Co. B

**VARNISHES (Con.)****OHIO—Akron**

Akron Varnish Co. (Black; House; Marine) .....A

**OHIO—Cincinnati**

Becker &amp; Co., R. A., 1837

Harrison Av. ....C

Bird Varnish Co., 246 Main

B

Cincinnati Varnish Co., 218

E. Court .....A

U. S. Varnish Co., 2616

Colerain Av. ....D

Wolf &amp; Co., Herman, 214

W. Liberty .....C

**OHIO—Cleveland**

Billings-Chapin Co., 37

Case Av. ....A

Cleveland Varnish Co., 14

Rockland Av. ....A

Colonial Paint &amp; Varnish

Co., Marquette &amp; St.

Clair .....B

Forest City Paint &amp; Var-

nish Co., Hamilton &amp;

Kirkland .....B

Glenmore Color Works...A

Glidden Varnish Co., C. &amp;

P. R. R. ....AA

National Paint &amp; Varnish

Co., 37 St. Clair .....C

Ohio Varnish Co., Rockland

Av. ....D

Patterson-Sargent Co., Wa-

son &amp; Hamilton .....AA

Sherwin-Williams Co., 100

Canal .....AAA

Star Varnish Co. (Black)

D

**OHIO—Columbus**

Columbus Varnish Co., 257

Comzons .....B

**OHIO—Dayton**

Threshen Varnish Co....AA

Tower Varnish &amp; Dryer Co.

D

**OHIO—Lockland**

Carey Mfg. Co., Ph. (Black)

A

**OHIO—Toledo**

Buckeye Paint &amp; Varnish

Co., 719 S. 15th .....B

**PA.—Allegheny**

Eagle Paint &amp; Varnish

Wks., 225 Grant Av....B

Globe Varnish Mfg. Co.,

1035 S. Canal .....C

Nevin Co., T. H., Preble

&amp; Island Aves. ....A

**PA.—Jamestown**

Jamestown Paint &amp; Var-

nish Co. (Asphalt) ....B

**PA.—Philadelphia**

Barrett-Lindeman Co., 1400

Fk'd. Av. ....B

Evans &amp; Son, Wm., 56 N.

Front .....B

Felton, Sibley &amp; Co., 140

N. 4th .....AA

French &amp; Co., Saml. H.,

4th &amp; Callowhill .....AAA

Harrison Bros. &amp; Co., 35th

&amp; Grays Ferry Rd.

AAAA

Howell &amp; Co., C. H., 212

Race .....A

Lucas &amp; Co., John, 322

Race (Asphaltum) .AAA

McClusky &amp; Co., L. J.,

30th &amp; Locust .....A

Nassau, James, Kens. &amp;

Erie Aves. ....B

Nice, Eugene E., 272 S.

2d .....B

Phoenix Paint &amp; Varnish

Co., 124 Market .....D

Rambo, Theo. G., 1134

Beach .....D

Rau, Conrad F. J., 4th &amp;

Bristol .....D

Schrack &amp; Co., C., 152 N.

4th .....A

Shoemaker &amp; Co., Robert,

201 N. 4th .....AA

Shrak &amp; Co., C., 152 N.

4th .....A

Thompson Wood Finishing

Co., 115 N. 4th .....C

Waterall &amp; Co., Wm., 4th

&amp; Race .....A

Waterall &amp; Co., Wm., 200

N. 4th .....A

Wocher &amp; Son, Herman M.

**VARNISHES (Con.)**

1218 W. College Av. (Car-

riage; Black; Floor; Ma-

rine; House; Mixing;

Shellac) .....C

Woodhouse, S. F., Unity &amp;

Franklin Fk'd.) (House;

Shellac) .....D

**PA.—Pittsburg**

Iron City Oil &amp; Varnish

Co., Inwood &amp; Franks-

town Av. ....B

Lawrence &amp; Co., W. W.,

Water &amp; Penn Av....A

McClintock &amp; Irvine Co.,

Neville &amp; P. R. R....B

Sterling Varnish Co. ....A

Suydam Co., M. B., 61st &amp;

Butler .....B

**PA.—Reading**

Reading Paint Mills....AA

Ruth &amp; Co., B. F., 216 S.

8th .....AA

Wilhelm Co., 217 Poplar..A

**R. I.—Providence**

Johnson &amp; Co., Oliver, 31

Exch. ....B

Johnson, Oliver &amp; Co., 3

Exch. ....AA

Starkweather &amp; Williams

Co., 47 Exch. Pl. ....C

U. S. Gutta Percha Paint

Co., 34 Mathewson ....A

**VA.—Richmond**

Atlanta Varnish Works,

2829 Lester .....B

Worthington Co., 1424 E.

Main .....B

**VASELINE**

See also Petrolatum

**New York City**

Cheesebrough Mfg. Co., 17

State .....AAAA

**VASES**

See also Furniture; Pottery,

etc.

**CONN.—Bridgeport**

Pierce Mfg. Co. (Garden)

E

**CONN.—Meriden**

Bradley &amp; Hubbard Mfg.

Co. (Brass) .....AAAA

**CONN.—Winsted**

Goodwin &amp; Klutz Co. (Dec-

orated Metal) .....B

**ILL.—Chicago**

Barbee Wire &amp; Iron Wks.

(Garden; Cemetery; Iron)

B

**ILL.—Sterling**

Novelty Iron Works (Gar-

den) .....E

**IND.—Indianapolis**

Enterprise Foundry &amp; Fence

Co. (Lawn) .....B

Over, Ewald (Garden;

Flower) .....C

**MASS.—Boston**

Jones &amp; Co., Melville D.

(Garden) .....G

**MASS.—Cambridge**

Hews &amp; Co., A. H. (Gar-

den) .....A

**MICH.—Detroit**

Barnum Wire &amp; Iron Wks.,

E. T. (Iron) .....B

**MO.—St. Louis**

International Steel Post Co.

(Lawn) .....A

Ludlow-Saylor Wire Co.

(Lawn) .....AA

**N. J.—New Brunswick**

New Jersey Lamp &amp; Bronze

Wks. (Bronze) .AAAA

**N. Y.—Brooklyn**

Hecla Iron Wks. (Garden)

AA

**N. Y.—Buffalo**

Shepard &amp; Co., Sidney

(Coal) .....AAAA

**N. Y.—Manlius**

Cheney &amp; Son, S. (Lawn)

A

**New York City**

Abendroth Bros. (Garden)

A

**VASES (Con.)**

Ansonia Clock Co. (Bronze) AAAAA  
 Cordley & Hayes (Garden; Flower) .....A  
 Fiske Iron Wks., J. W. (Garden) .....B  
 International Silver Co., 9 Maiden Lane (Silver Plated) .....AAAA  
 Judd & Co., H. L. (Brass) AA  
 Lamb, J. & R. (Brass)...D  
 N. Y.—Peekskill  
 Navlor Bros. (Flower)...A  
 OHIO—Cincinnati  
 Stewart Iron Wks. (Lawn) A

OHIO—Cleveland  
 Van Dorn Iron Wks. Co. (Garden Lawn) .....AA

OHIO—Findlay  
 Bell Pottery Co. (Earthenware) .....A

OHIO—Hamilton  
 Meyers Mfg. Co., F. J. (Lawn) .....B

OHIO—Kenton  
 Champion Iron Co. (Flower) .....AA

OHIO—Springfield  
 Rogers Iron Wks. (Iron) B

OHIO—Toledo  
 Donovan Wire & Iron Co. (Lawn) .....C

OHIO—Walkers  
 American Sewer Pipe Co. (Garden) .....AAAA

PA.—New Brighton  
 Pittsburgh Clay Mfg. Co. (Garden) .....AAAA

PA.—Philadelphia  
 Harvey, Moland & Co. (Garden) .....X

TENN.—Chattanooga  
 Ornamental Iron Wks. Co. (Iron) .....X

WIS.—Sheboygan  
 Kohler Sons' Co., J. M. (Iron) .....A

**VATS**

See also Tanks

CAL.—Petaluma  
 Petaluma Incubator Co. (Cheese) .....B

DEL.—Wilmington  
 Pusey & Jones Co. (Iron Screw) .....AAA

ILL.—Batavia  
 United States Wind Engine & Pump Co. (Cedar)...AA

MAINE—Mechanic Falls  
 Penney & Sons Co., J. W. (Iron Screw) .....B

MASS.—Boston  
 Cypress Lumber Co., 153 Milk (Cypress) .....AA

MASS.—Holyoke  
 Holyoke Machine Co. (Iron Screw) .....AA

MASS.—Lowell  
 Lowell Machine Shop (Iron Screw) .....AAAA

MASS.—Pittsfield  
 Jones & Sons Co., E. D. (Iron Screw) .....B

MASS.—South Lawrence  
 Horne & Sons Co., J. H. (Drainer; Iron Screw)...A

MASS.—Worcester  
 Rice, Barton & Fales Machine & Iron Co. (Iron Screw) .....AA

MICH.—Flint  
 Flint Cabinet Creamery Co. (Dairy Cooling) .....E

N. J.—Burlington  
 Birch, James H. ....AA

N. J.—Newark  
 Currier & Sons, Cyrus (Iron Screw) .....AA

N. Y.—Cattaraugus  
 Oakes & Burger (Cheese) B

N. Y.—Little Falls  
 Burrell & Co., D. H. (Cheese) .....AAAA

N. Y.—Syracuse  
 Gowing, D. H. (Dairy Cool-

**VATS (Con.)**

ing) .....C  
 N. Y.—Utica  
 Jones, Frank L. (Cheese; Dairy Cooling) .....C  
 Millar Son Co., Charles (Cheese) .....AA  
 OHIO—Cincinnati  
 Cincinnati Cooperage Co. (Brewers' Stock) .....AAA  
 Hauser, Brenner & Fath Co. (Brewers' Stock) .....B  
 OHIO—Hamilton  
 Black & Clawson Co. (Iron Screw) .....AAA  
 PA.—Philadelphia  
 Hall, Son & Co., Amos H. (Brewers' Stock; Cedar) O

Reld Creamery & Dairy Supply Co., A. H. (Dairy Cooling) .....A

Smith & Sons, John M. (Cedar) .....B

Woolford Wood Tank Mfg. Co., George (Cedar; Brewers' Stock) .....B

R. I.—Bridgeton  
 Hopkins Machine Works (Cedar) .....X

VT.—Bellows Falls  
 Vermont Farm Machine Co. (Cheese; Dairy Cooling; Milk Receiving; Milk Tempering) .....C

WIS.—Beloit  
 Beloit Iron Works (Iron Screw) .....A

WIS.—Fort Atkinson  
 Cornish, Curtis & Greene Mfg. Co. (Cheese; Dairy Cooling) .....A

WIS.—Eacine  
 Winship Mfg. Co. (Cedar) E

**VAULTS**

See also Safes; also Cases: Burial

CAL.—San Francisco  
 Bay City Iron Works (Bank) .....F

Dyer Bros., 382 2d (Bank) D

Herring-Hall-Marvin Co., 400 B'way (Bank)....A

Western Iron Works, 123 Beale (Bank) .....B

Waltz Safe & Lock Co., 111 Market (Bank) .....H

ILL.—Chicago  
 Trumbull Safe & Vault Co., 117 Lake (Bank) .....D

ILL.—Peoria  
 Lucas & Sons, A., Cedar & Washn. (Bank) .....C

MASS.—Boston  
 Ham & Co., L. M., 152 Portland (Bank) .....B

Morris-Ireland Safe Co., 64 Sudbury (Bank) .....E

N. Y.—Brooklyn  
 Chrome Steel Wks. (Bank) AAA

N. Y.—Buffalo  
 Cary Safe Co., Chicago & Scott (Bank) .....A

New York City  
 Cornell Co., J. B. & J. M., 239 11th Av. (Fireproof; Burglar Proof) .....AA

Hibbard, Rodman & Ely Safe Co., 253 B'way (Bank) .....C

Jackson Co., Wm. H., 29 E. 17th (Bank) .....C

Pitt Composite Iron Wks., Wm. R., 111 5th Av. (Bank) .....D

Remington & Sherman Co., 23 Park Pl. (Bank)....A

OHIO—Canton  
 Diebold Safe & Lock Co. (Bank) .....AAA

OHIO—Cincinnati  
 Victor Safe & Lock Co., 9th & B'way (Bank) .....A

OHIO—Cleveland  
 National Safe & Lock Co. (Bank) .....D

Van Dorn Iron Wks. Co. (Fire Proof; Burglar

**VAULTS (Con.)**

Proof) .....AA  
**OHIO—Hamilton**  
 Macneale & Urban Co.  
 (Bank) .....B  
 Mosler Safe Co. (Bank)  
 ....AAA  
**OHIO—Toledo**  
 Donovan Wire & Iron Co.  
 (Fire Proof; Burglar  
 Proof) .....C  
**OREGON—Portland**  
 Phoenix Iron Wks. (Bank)  
 ....E  
**PA.—Pittsburg**  
 Barnes Safe & Lock Co.,  
 325 3d Av. (Bank).....F  
**PA.—York**  
 York Safe & Lock Co.  
 (Bank) .....B  
**WIS.—Milwaukee**  
 Meyer Co. L. A. 448 E.  
 Water (Bank) .....E

**VEALS**

See Leather

**WIS.—Milwaukee**  
 Zohriant Leather Co., Her-  
 man (Yellow) .....AA

**VEGETABLES:  
CANNED**

See Canned Goods

**VEILINGS**See also Silk Goods; Mil-  
linery Goods

**N. J.—Jersey City**  
 Hall H. S. (Silk) .....D  
**N. J.—Paterson**  
 Caspers Silk Co. (Silk) ..D  
 Enterprise Silk Co. (Silk)  
 ....B  
**N. Y.—Brooklyn**  
 Jennings Lace Wks. (Silk)  
 ....AAAA  
**N. Y.—Hornellsville**  
 Steuben Silk Co. (Silk) ..B  
**N. Y.—Tarrytown**  
 Husted, A. P. (Silk) ....B

**VELOCIPEDES**

**ILL.—Harvey**  
 Buda Fdy. & Mfg. Co.  
 (Railway) .....AA  
**MICH.—Kalamazoo**  
 Kalamazoo Railway Supply  
 Co. (Railway) .....B  
**MICH.—Three Rivers**  
 Sheffield Car Co. (Rail-  
 way; Motor Railway) ..AA  
**N. H.—Keene**  
 Wilkins Toy Co. (Child-  
 rens') .....AAA  
**N. Y.—Binghamton**  
 Wilkinson Mfg. Co. (Child-  
 rens') .....A  
**New York City**  
 Crandall Carriage Co. (Child-  
 ren) .....X  
 Mace & Co. L. H. (Child-  
 rens') .....B  
 Spalding & Bros. A. G.  
 (Inc.) (Childrens')  
 ....AAAA  
**OHIO—Cleveland**  
 Metal Goods Mfg. Co.  
 (Childrens') .....X  
**OHIO—Toledo**  
 Gendron Wheel Co. (Child-  
 rens') .....AA  
 Harris Toy Co. (Childrens')  
 ....B  
 Toledo Metal Wheel Co.  
 (Childrens') .....AA  
**VT.—Brattleboro**  
 Smith & Co. S. A. (Child-  
 rens') .....AAA

**VELVETEENS**

**R. I.—Warwick**  
 Crompton Co. ....AAA

**VELVETS**

See also Plushes; Silk Goods

**VENEERS**

**GA.—Rome**  
 King Mfg. Co., C. L. ....D  
**IND.—Indianapolis**  
 Indiana Lumber & Veneer  
 Co. ....B  
 Williamson Veneer Co. ...D  
**IND.—Jasper**  
 Jasper Veneer Mills ....D  
**KY.—Louisville**  
 Louisville Veneer Mills...A  
**MASS.—Boston**  
 Palmer, Parker & Co....A  
**MICH.—Grand Rapids**  
 Grand Rapids Veneer Wks.  
 ....AA  
**MO.—St. Louis**  
 Schoeneau & Kukkuk  
 Trunk Co. ....B  
**N. Y.—Buffalo**  
 Elias & Bro. Co. ....AA  
**N. Y.—Cattaraugus**  
 Cakes & Burger .....B  
**N. Y.—Jamestown**  
 Jamestown Panel & Veneer  
 Co. ....F  
**N. Y.—Long Island City**  
 Astoria Veneer Mills (Inc.)  
 ....B  
**New York City**  
 Uptegrove & Bros., W. E.  
 ....AA  
**N. C.—High Point**  
 High Point Veneer Co....E  
**OHIO—Cincinnati**  
 Albro Co., E. D. ....X  
**OHIO—Portsmouth**  
 Portsmouth Veneer & Panel  
 Co. ....B  
**TENN.—Johnson City**  
 Standard Oak Veneer Co.  
 ....B  
**TENN.—Memphis**  
 Anderson-Tully Co. ....AAA  
**VA.—Petersburg**  
 South Side Mfg. Co. ....C  
**WIS.—Sheboygan**  
 Frosts' Veneer Seating Co.  
 (Opera Chair) .....B

**VENETIANS**

See Woolen Goods

**VENTILATORS**

**CONN.—Bridgeport**  
 Drouve Co. ....B  
**ILL.—Chicago**  
 Harrington & King Perfo-  
 rating Co., 224 N. Union  
 (Railroad Car) .....A  
 Redliek Mfg. Co. (Beer) ..B  
**ILL.—Streator**  
 Iwan Bros. (Chimney) ...C  
**MASS.—Boston**  
 Edson Mfg. Co. (Hood) ..B  
**MASS.—Greenfield**  
 Wiley & Russell Mfg. Co.  
 ....AA  
**MASS.—Lowell**  
 Mack & Co., W. A. ....C  
**MICH.—Detroit**  
 Sennly Ventilator Co., W. J.  
 (Closet) .....B  
**MO.—St. Louis**  
 Pleuger & Henger Mfg. Co.  
 ....A  
**N. J.—Jersey City**  
 National Sheet Metal Roof-  
 ing Co. (Building) ...C  
**N. Y.—Buffalo**  
 Buffalo Forge Co. (Gas  
 Jet) .....AAA  
**N. Y.—Manlius**  
 Cheney & Son, S. ....A  
**N. Y.—Newburgh**  
 Chadborn Mfg. Co. (Auto-  
 matic Ventilator & Heat  
 Control; Car) .....X  
**New York City**  
 Creamer & Co., W. G., 96  
 John (Car) .....A  
 Howard & Morse (Mechani-  
 cal Building) .....D  
 Mattes & Son, E. (Hat) ..D  
 Protective Ventilator Co.

## VENTILATORS (Con.)

(Window) .....B  
Roebuck Weather Strip &  
Wire Screen Co. (Win-  
dow) .....D  
Tuttle & Bailey Mfg. Co.,  
83 Beekman (Brick Wall;  
Window) .....AA

**N. Y.—Troy**  
Globe Ventilator Co. (Car;  
Building; Chimney; Sky-  
light) .....C

**OHIO—Canton**  
Berger Mfg. Co. (Building;  
Flue) .....AA  
Canton Steel Roofing Co. A

**OHIO—Cleveland**  
Columbian Hdw. Co. ...AA  
Garry Iron & Steel Co.  
(Building) .....A  
Osborn Mfg. Co. ....B

**OHIO—Hamilton**  
Myers Mfg. Co., Fred J.  
(Car) .....B

**OHIO—Massillon**  
Hess, Snyder Co. (Chim-  
ney) .....AA

**PA.—Philadelphia**  
Berger Bros. Co., 231 Arch  
A

Fields' Sons, Chas. J., 633  
Market (Window) ....B  
Merchant & Co. (Inc.), 517  
Arch (Car; Building;  
Flue) .....AA

Spear Stove & Heating Co.,  
James (Car) .....A  
Taylor Co., N. & G. (Car)  
AAA

**PA.—York**  
Pullman Automatic Vent-  
ilator Co. (Car; also for  
Depots, Offices, &c.;  
Window for Lower Sash  
Rail) .....B

**R. I.—Providence**  
Clason Architectural Metal  
Co. (Building) .....C

**TEXAS—Ft. Worth**  
Fort Worth Iron & Steel  
Mfg. Co. (Gas Jet) ...A

**WIS.—South Milwaukee**  
Stowell Mfg. & Fdy. Co.  
(Flue) .....A

## VENTS

**ILL.—Chicago**  
Marsh & Co., Jas. P.  
(Radiator Air) .....B

**MASS.—Boston**  
Cutter-Tower Co. (Ink) ..B  
**N. J.—Newark**  
Sommer's Sons, John (Air)  
A

## VERMICELLI

See Macaroni.

## VERMIFUGE

**MD.—Baltimore**  
Foutz Co., David E. ....D  
McCormick & Co. ....D

**MO.—St. Louis**  
Stoble Cereal Mills ....B  
**PA.—Pittsburg**  
Farnestock Drug Co., B. S.  
F

## VERMILION

**MICH.—Detroit**  
Acme White Lead & Color  
Works .....AAA

**OHIO—Cincinnati**  
Moser Co., Charles .....AA  
**N. Y.—Buffalo**  
Century Mfg. Co., 2720  
Genesee .....D

**New York City**  
Pfeiffer Co., 92 William..A  
Tiemann & Co., D. F., 46  
Duane .....A

## VESSELS

**MAINE—Bath**  
Kelly-Spear Co. (Sailing)  
A

Morse Bros. (Sailing)....F  
New England Co. (Sailing)  
D

## VESSELS (Con.)

**MAINE—Rockport**  
Carleton, Norwood & Co.  
(Sailing) .....B

**MD.—Baltimore**  
Skiuner & Sons, Wm. (Sail-  
ing) .....B

**MASS.—Boston**  
Boston Belting Co. (Acid)  
AAAA

**N. J.—Camden**  
Dialogue & Son, John H.  
(Sailing) .....AA

**New York City**  
Bishop Gutta Percha Mfg.  
Co., 422 E. 25th (Acid)  
A

Goodyear Rubber Co., 787  
B'way (Acid) ....AAAA

Gutta Percha & Rubber  
Mfg. Co., 126 Duane  
(Acid) .....AAAA

Jochum, Andrew (Copper)  
E

Trageser Steam Copper  
Wks., John (Copper; Cop-  
per Air) .....B

**N. Y.—Northport**  
Carll, Jesse (Sailing)....B  
**N. Y.—Port Jefferson**  
Bayles & Sons, James M.  
(Sailing) .....D

**PA.—Philadelphia**  
Fields' Sons, Chas. J., 633  
Market (Acid) .....B

**R. I.—Providence**  
Feeley Co., W. J. (Altar)  
B

## VESTIBULES

**New York City**  
Gould Coupler Co., 20 W.  
34th (Car) .....AAAA

Sjoberg & Co., J. P., 533  
W. 32d (Car) .....D

**PA.—Pittsburg**  
McConway & Torley Co.,  
48th & A. V. Rr. (Car)  
A

## VESTMENTS

**New York City**  
Lamb, J. & R. (Church) ..C

## VESTS

See Clothing: Men's & Boys;  
also Clothing: Ladies'

**ILL.—Chicago**  
Bauer & Black (Chamois) A

**N. J.—Jersey City**  
Zimmerman & Son Co.,  
(Golf) .....D

**N. Y.—Baldwinsville**  
Allen, Alexander (Nursing)  
D

## VIADUCTS

**DEL.—Wilmington**  
Edge Moor Iron Co. (Iron;  
Steel) .....AAA

**N. J.—Trenton**  
Trenton Iron Co. (Iron;  
Steel) .....A

**PA.—Beaver Falls**  
Penn Bridge Co. (Iron;  
Steel) .....AAA

**PA.—Philadelphia**  
Phoenix Bridge Co. (Iron;  
Steel) .....A

Roberts Co., A. & P. (Iron;  
Steel) .....AAAA

**PA.—Pittsburg**  
Carnegie Steel Co. (Ltd.)  
(Iron; Steel) .....AAAA

## VIALS

See also Bottles

**MD.—Baltimore**  
Chesapeake Glass Company  
(Homeopathic) .....D

**N. J.—Glassboro**  
Whiting Glass Works  
(Glass) .....AAA

**N. J.—Millville**  
Wheaton Co., T. C. (Home-  
opathic) .....B

**N. J.—Newark**  
Transparent Cellulose Prod-  
D

**VIALS (Con.)**

ucts Co. ....D  
**New York City**  
 Demuth Glass Mfg. Co.  
 (Glass) .....X  
 Steimbuch Bros. & Co., 275  
 Pearl (Homeopathic) ...D  
**PA.—Bradford**  
 Penn Glass Tube Co.  
 (Homeopathic) .....D  
**PA.—Royersford**  
 Diamond Glass Co. ....A

**VIBRATORS**

**MICH.—Battle Creek**  
 Globe Mfg. Co. (Com-  
 pressed Air) .....D  
**OHIO—Cleveland**  
 Cleveland Faucet Co. (Mas-  
 sage) .....AAA

**VICTORIAS**

**MASS.—Boston**  
 French & Co. Ferd. F....D  
 Kimball Bros. & Co.....B  
 Thomas & Co., Chauncey.C  
**MASS.—New Bedford**  
 Brownell, Geo. L. (Est. of)  
 B  
**N. J.—Newark**  
 Quimby & Co., J. M....A  
**N. Y.—Albany**  
 Gould Co., James .....B  
 New York City  
 Brewster & Co., J. B.  
 (Inc.) .....B  
 Demarest & Co., A. T....A  
 Goodrich & Co., J. F....AA  
 Stivers, R. M. ....B  
**N. Y.—Troy**  
 Troy Carriage Works ....B  
**N. Y.—Watertown**  
 Babcock Co., H. H....AA  
**N. C.—Carthage**  
 Tyson & Jones Buggy Co.  
 B  
**OHIO—Columbus**  
 Buckeye Buggy Co. ....AAA

**VICUNAS**

See also Woolen Goods

**VINEGAR**

See Cider; Vinegar, etc.

**VINES**

**CONN.—New Canaan**  
 Hort's Sons Co., Stephen  
 (Grape) .....B  
**N. Y.—Fredonia**  
 Hubbard Co., T. S. (Grape)  
 B  
 Josselyn, Geo. S. (Grape)  
 A  
 Roesch, Lewis (Grape)...C  
**N. Y.—Rochester**  
 Brown Bros. Co. (Grape).A  
 Ellwanger & Barry (Grape)  
 A  
**OHIO—Toledo**  
 Lenk Wine Co. (Grape).AA  
**PA.—Carnegie**  
 Beistle & Co., M. L. (Arti-  
 ficial Autumn) .....F

**VIOLINS**

See Mus. Insts.

**VIRUS**

See Vaccine

**VISCOSI-  
METERS**

**PA.—Philadelphia**  
 Olsen & Co., Tinius .....A

**VICES**

**CAL.—San Francisco**  
 Richmond Fdy. & Mfg. Co.,  
 517 Market (Bench) ...X  
**CONN.—Bridgeport**  
 Armstrong Mfg. Co. (Pipe;  
 Bench: Blacksmiths')...A

**VICES (Con.)**

Curtis & Curtis Co. (Pipe)  
 AA  
 Fray & Co., John S. (Hand)  
 A  
**CONN.—Hartford**  
 Billings & Spencer Co. (Ma-  
 chinists' Hand; Line-  
 mens'; Amateur; Combina-  
 tion Bench) .....AA  
 Pratt & Whitney Co. (Mill-  
 ing Machine Planer)  
 AAAA  
 Vanderbeck Tool Works  
 (Milling Machine; Planer;  
 Machinists') .....B  
 Whitney Mfg. Co. (Milling  
 Machine) .....A  
**CONN.—Meriden**  
 Parker Co., Chas. (Coach-  
 makers'; Woodworkers';  
 Parallel; Pipe; Saw; Die  
 Sinkers) .....AAA  
**CONN.—New Britain**  
 New Britain Machine Co.  
 (Saw. for Filing Band  
 Saws) .....A  
**CONN.—New London**  
 New London Vise Works  
 (Solid Box) .....E  
**CONN.—Pine Meadow**  
 Chapins-Stephens Co. (Car-  
 riage Makers) .....A  
**CONN.—Rockfall**  
 Smith, Otis A. (Hand)...B  
**CONN.—Rocky Hill**  
 Billing Mfg. Co., C. E.  
 (Hand) .....D  
**CONN.—Stamford**  
 Yale & Towne Mfg. Co.  
 (Pipe) .....AAAA  
**CONN.—Tolland**  
 Clough, R. M. (Milling  
 Machine) .....D  
**CONN.—Torrington**  
 Hendey Machine Co. (Mill-  
 ing Machine; Planer).AA  
**CONN.—Waterbury**  
 Blake & Johnson (Horse-  
 shoers') .....A  
**CONN.—Willimantic**  
 Vandeman Plumbing &  
 Heating Co., Wm. (Combina-  
 tion: Self-Locking  
 Pipe) .....C  
**CONN.—Winsted**  
 Carter & Hakes Machine  
 Co. (Milling Machine)...D  
**DEL.—Wilmington**  
 Henderer Sons, A. L. (An-  
 vils; Pipe; Drill) .....E  
**ILL.—Carpentersville**  
 Illinois Iron & Bolt Co.  
 (Machinists' Bench; Cab-  
 inet Makers; Coach Mak-  
 ers'; Hand; Steel Faced;  
 Parallel; Solid Box; Par-  
 allel Foot; Horse Shoers')  
 AA  
**ILL.—Chicago**  
 Crane Co. (Bench; Pipe)  
 AAAA  
 Hanna Engineering Works,  
 550 N. Halsted (Auto-  
 matic; Quick Acting  
 Bench) .....B  
 Mark Mfg. Co. (Pipe) ...AA  
 Massey Vise Co., 30 S. Can-  
 al (Bicycle; Coachmak-  
 ers'; Milling Machine;  
 Parallel; Planer; Light-  
 ning Grip; Cabinet; Drill  
 Press; Pipe) .....F  
 Sears, Roebuck & Co.  
 (Bench) .....AAAA  
 Toles & Co., W. C. (Bench;  
 Coachmakers') .....B  
**ILL.—Downer's Grove**  
 Decke Tool Co. (Linemens';  
 Carpet) .....C  
**ILL.—Edwardsville**  
 Bignall & Keeler Mfg. Co.  
 (Parallel; Combination  
 Bench; Pipe) .....B  
**ILL.—Evanston**  
 Sheldon & Co., C. H.  
 (Rapid Acting) .....D  
**ILL.—Ottawa**  
 Porter Co., J. E. (Pipe)...A  
**ILL.—Rockford**  
 Marsh, H. C. ....C

# **VISES (Con.)**

**ILL.—Sandwich**  
Enterprise Windmill Co. (Pipe) .....D  
**IND.—Butler**  
Butler Co. (Pipe) .....B  
**IND.—Indianapolis**  
Atkins & Co., E. C. (Saw) .....AAAA

**IOWA—Dubuque**  
Adams Co. (Drill; Machinists'; Parallel; Pipe; Anvil; Hand) .....A  
**MD.—Baltimore**  
Kemp Mfg. Co., C. M. (Pipe) .....B  
**MASS.—Athol**  
Athol Machine Co. (Bench; Coachmakers'; Farmers'; Wood Workers'; Hand; Parallel; Amateur; Rapid Transit; Swivel; Heavy Clipping; Oval Side)....B  
**MASS.—Boston**  
Burke, P. F., Dorr & Dorchester Av. (Horseshoers' Foot) .....C  
Butts & Ordway Co., 190 High (Horseshoers')...C  
Walworth Mfg. Co., 182 Federal (Bench; Pipe) .....AAAA

**MASS.—Cambridge**  
Barbour-Stockwell Co. (Cabinet; Screw Bench; Woodworkers') .....A  
**MASS.—Fairhaven**  
Fairhaven Iron Foundry Co. (Horseshoers') .....D  
**MASS.—Fitchburg**  
Simonds Mfg. Co. (Saw) .....AAA

**MASS.—Greenfield**  
Goodell-Pratt Co. (Hand).B  
Wells Bros. Co. (Horseshoers' Foot) .....A  
Wiley & Russell Mfg. Co. (Horseshoers') .....AA  
**MASS.—Hyde Park**  
Becker-Brainard Milling Machine Co. (Horseshoers') .....AA  
**MASS.—Millers Falls**  
Millers Falls Co. (Parallel Anvil; Drill; Hand)...AA  
**MASS.—Salem**  
Spencer Regulator Company (Pipe) .....C  
**MASS.—Springfield**  
Bullock Mfg. Co. (Jewelers' Watch; Pin) .....A  
Hopkinson Machine Works (Drill) .....F  
**MASS.—Westfield**  
Smith Co., H. B. (Amateur; Bench; Blacksmiths')..AA  
**MASS.—Worcester**  
Wyman & Gordon (Quick Action; Coachmakers'; Woodworkers'; Bench; Cabinet; Self-Adjusting Jaw; Rapid Transit) ...A

**\* ICH.—Detroit**  
Strellinger Co., Chas. A., 98 Bates (Machinists')..A  
**MICH.—Grand Rapids**  
Fox Machine Co. (Milling Machine; Planer) .....A  
**MINN.—St. Paul**  
Helwig Mfg. Co. (Parallel) .....D

**MO.—St. Louis**  
Kunferle, Jno. C., 2d & Mound (Saw) .....AA  
Nixdorf-Krein Mfg. Co. (Blacksmiths') .....AA  
**N. H.—Exeter**  
Exeter Machine Works (Pipe) .....B  
**N. J.—Bord Brook**  
Timmis & Clissold (Coachmakers'; Woodworkers') .....X

**N. J.—Elizabeth**  
Braunsdorf-Muller Company (Hand) .....D  
**N. J.—Newark**  
Gould & Eberhardt (Planer; Milling Machine) .....A  
Kraeuter Co. (Carpet)....X  
**N. J.—Plainfield**  
Pond Machine Tool Co.

# **VISES (Con.)**

(Milling Machine).AAAA  
**N. J.—Salem**  
Ayars Machine Co. (Machinists') .....B  
**N. J.—Smithville**  
Smith Mfg. Co., H. B. (Bench) .....A  
**N. J.—Trenton**  
Fisher & Norris (Parallel; Solid Box) .....B  
**N. Y.—Belmont**  
Clark Bros. Co. (Pipe)...A  
**N. Y.—Brooklyn**  
Merrill Bros., 465 Kent Av. (Parallel; Swivel) ....A  
**N. Y.—Buffalo**  
Howard Iron Works (Pipe; Fixed; Swivel; Parallel; Bench; Farmers'; Blacksmiths'; Heavy Clipping; Coachmakers'; Hand) .A  
**N. Y.—Homer**  
Phoenix Hardware Mfg. Co. (Bench; Farmers'; Pipe; Hand; Coachmakers'; Woodworkers'; Saw) ..D

**New York City**  
Eaton, Cole & Burnham Co., 253 B'way (Pipe) .AAAA  
Fairbanks Co., 186 Elm (Pipe; Drill; Combination; Anvil; Hand; Milling Machine; Planer) ....AAAA  
Garvin Machine Co. (Saw; Silent; Milling Machine) AA  
Hammacher, Schlemmer & Co. (Coachmakers'; Saw; Woodworkers'; Parallel; Solid Box) .....AAA  
Jennings & Co., C. E., 101 Reade (Saw) .....B  
Lewis Tool Co., 44 Barclay (Coachmakers'; Woodworkers'; Pipe; Bicycle; Bench; Self-Adjustable Jaw; Quick Acting Machinists'; Solid Jaw; Parallel) .....D  
Nason Mfg. Co., 71 Beekman (Pipe) .....AA  
Niles-Bement-Pond Co., 111 B'way. (Planer; Milling Machine) .....AAAA  
Peck, Stow & Wilcox Co., 27 Murray (Parallel) .....AAA

Prentiss Vise Co., 44 Barclay (Bench; Bicycle; For Heavy Clipping; Clamp; Coachmakers'; Woodworkers'; Drill; Lever; Machinists'; Pipe; Parallel; Solid Box; Anvil; Amateur; Blacksmiths'; Offset Jaw; Rapid Transit; Swivel; Self-Adjusting Jaw) ...C  
Sargent & Co., 151 Leonard (Parallel; Saw) .AAAA  
Simmons Co., Jno., 110 Centre (Pipe) .....AA  
Tower & Lyon Co., 95 Chambers (Bench; Jewelers'; Leg Quick Acting Parallel; Pipe; Cabinet; Solid Box) .....B

**N. Y.—Oswego**  
Oswego Tool Co. (Pipe)..B  
**N. Y.—Seneca Falls**  
Seneca Falls Mfg. Co. (Saw) .....B  
**N. Y.—Syracuse**  
Stearns & Co., E. C. (Saw; Bench; Silent Saw) .AA  
**N. Y.—Utica**  
Utica Drop Forge & Tool Co. (Hand; Linemens')..B  
**N. Y.—Yonkers**  
Saunders' Sons, D. (Pipe; Combination) .....A

**OHIO—Cincinnati**  
Cincinnati Milling Machine Co. (Milling Machine).AA  
Cincinnati Tool Co. (Saw) .....B

**OHIO—Cleveland**  
Columbian Hardware Co., Coe & Hamilton (Bench; Coachmakers'; Hand; Farmers'; Woodworkers';

## VISES (Con.)

Horseshoers'; Parallel;  
Solid Box) .....AA  
**OHIO—Columbus**  
Columbus Forge & Iron Co.  
(Blacksmiths'; Solid Box)  
A

## OHIO—Dayton

Joyce-Cridland Co. (Bench)  
B  
Patterson Tool & Supply  
Co. (Drill) .....A

## OHIO—Mansfield

Humphreys Mfg. Co. (Pipe)  
B

## OHIO—Warren

Denison Mfg. Co. (Planer)  
F

## PA.—Erie

Erie Mfg. & Supply Co.  
(Sectional Jaw Pipe) ..B

Hollands Mfg. Co. (Bicycle;  
Blacksmiths'; Pipe; Par-  
allel; Cabinet; Carpen-  
ters'; Wooden; Coachmak-  
ers'; Planer; Drill Press;  
Horseshoers'; Milling Ma-  
chine; Woodworkers';  
Polished Tubing) .....B

Jarecki Mfg. Co. (Pipe)  
AAAA

Reed Mfg. Co. (Bench;  
Combination; Pipe; Ma-  
chinists'; Improved Com-  
bination Pipe) .....A

## PA.—Meadville

Meadville Vise Co. (Bench;  
Bicycle; Cabinet Makers';  
Coachmakers'; Woodwork-  
ers'; Combination Pipe;  
Farmers'; Heavy Clip-  
ping; Offset Jaw; Paral-  
lel; Swivel) .....A

## PA.—Philadelphia

Atlantic Works (Inc.), 23d  
& Arch (Saw) .....B

Bonney Vise & Tool Works,  
3015 Chestnut (Coachmak-  
ers'; Woodworkers'; Drill;  
Hand; Machinists'; Par-  
allel; Pipe; Saw; Heavy  
Clipping) .....C

Cox & Sons Co., 215 Race  
(Pipe) .....B

Disston & Sons, Henry  
(Saw) .....AAAA

## PA.—Philadelphia

Pedrick & Ayer Co. (Bench)  
A

## PA.—Pittsburg

Hickman-Melhorn Co., 200  
Liberty Av. (Pipe) .....A

Iron City Tool Wks. (Ltd.)  
(Solid Box; Heavy Clip-  
ping; Blacksmiths') ..A

Jones & Laughlin Steel Co.  
(Ltd.) (Bench; Coach-  
makers'; Woodworkers';  
Parallel) .....AAAA

## PA.—Warren

Jacobson Machine Mfg. Co.  
(Bench; Drill) .....C

## PA.—Waynesboro

Emmert Mfg. Co. (Bench;  
Machinists') .....C

## R. I.—Pawtucket

Bliss Mfg. Co. R. (Car-  
penters'; Wooden) ..AAAA

## R. I.—Providence

Brown & Sharpe Mfg. Co.  
(Milling Machine; Plan-  
er) .....AAAA

## VT.—Derby Line

Butterfield & Co. (Pipe) ..A

## VITRIOL

See also Acids; Coper Sul-  
phate

## OHIO—Cleveland

Grasselli Chemical Co.  
(Blue) .....AAAA

## PA.—Philadelphia

Fergusson Bros. (Blue) ..A

Jordan, Jr., W. H. & F.  
(Powdered Blue) ....AA

## VOLTMETERS

See Meters: Ammeters

## VULCABESTON

### CONN.—Hartford

Johns-Pratt Co. (Insulat-  
ing) .....A

### New York City

Fairbanks Co. (Packing)  
AAAA

Johns-Manville Co., H. W..  
100 William .....AAAA

## VULCANIZERS

### CONN.—Ansonia

Farrell Fdy. & Machine Co.  
(Rubber) .....AAAA

### MASS.—Springfield

Smith Mfg. Co., R. H....C

### ILL.—Chicago

Elmes Engineering Works.  
Chas. F. (Rubber) ....A

### MD.—Baltimore

Dorman Co., J. F. W. (Rub-  
ber) .....F

### N. J.—Paterson

Smith & Son Co., Samuel..B

### N. Y.—Buffalo

Buffalo Dental Mfg. Co...B

New York City  
Rubber Goods Mfg. Co., 253  
B'way (Rubber) ..AAAA

### OHIO—Akron

Biggs Boiler Works Co.  
(Rubber) .....C

### OHIO—Cleveland

Cleveland Dental Mfg. Co.  
(Cam Lock) .....B

United States Dental Mfg.  
Co. (Dental) .....D

### OHIO—Toledo

National Cement & Rubber  
Mfg. Co. ....C

### PA.—Philadelphia

Johnson & Lund .....AA

Wall Mfg. Co., R. C....F

White Dental Mfg. Co., S.  
S. ....AAAA

## WADDING

### IND.—Indianapolis

Merritt & Co., Geo. (Tail-  
ors') .....A

### MASS.—Medfield

Ray & Wilson (Clothiers')  
C

### MASS.—Winchester

Eastern Felt Co. (Wool)..C

### N. Y.—Lockport

Evans & Co. (Wool)....C

Norman & Evans (Woolen)  
C

### OHIO—Cincinnati

Stearns & Foster Co. (Cot-  
ton) .....AAA

### OHIO—Cincinnati

Stearns & Foster Co. (Cot-  
ton) .....AAA

### R. I.—Pawtucket

Union Wadding Co. (Cot-  
ton) .....AAAA

### WIS.—Janesville

Rock River Cotton Co. (Cot-  
ton) .....A

## WADS

### CONN.—Bridgeport

Union Metallic Cartridge  
Co. (Gun) .....AAA

### CONN.—New Haven

Winchester Repeating Arms  
Co. (Gun) .....AAAA

### CONN.—Waterbury

Waterbury Brass Co. (Gun)  
AAAA

### OHIO—Cincinnati

Peters Cartridge Co. (Gun)  
AAAA

## WAGONS

See also Carriages & Wagons

### ALA.—Florence

Florence Wagon Works  
(Farm; Log) .....A

### ARK.—Little Rock

Roesh Fred (Logging) ....D

### CAL.—Benicia

Benicia Iron Works (Ex-  
press; Farm; Spring;  
Truck; Road; Spring), AA



**WAGONS (Con.)**  
**CAL.—San Leandro**  
 Best Mfg. Co. (Crude Oil Motor) .....AA  
**CONN.—New Haven**  
 Goodrich & Co., J. F. (Delivery; Beach; Concord Depot; Road; Spring)....AA  
**GA.—Atlanta**  
 White Hickory Wagon Mfg. Co. Farm; Turpentine; Log) .....A  
**ILL.—Aurora**  
 Frazier & Co., W. S. (Skeleton; Road; Speed) .....A  
 Western Wheeled Scraper Co. (Dumping).....AA  
**ILL.—Batavia**  
 Newton Wagon Co. (Farm; Spring) .....AA  
**ILL.—Chicago**  
 Kimball & Co., C. P. (Speed) .....AA  
 National Drill & Mfg. Co., Pullman Bldg. (Dumping) .....B  
 Schuttler & Holtz, 45 W. Monroe (Dumping; Farm; Spring) .....AAAA  
 Shaw, Willis, N. Y. Life Bldg. (Dumping) .....E  
 Sherman I. N. W. (Army; Bakers; Butchers; Brewers; Business; Coal; Delivery; Express Freight; Furniture; Grocers; Ice; Laundry; Mail; Market; Milk; Spring Truck; Ambulance; Depot; Mountain; Patrol; Spring) .....A  
 Weber Wagon Co. (Logging; Farm; Spring) .....AA  
**ILL.—Dallas City**  
 Burg Carriage Co., L. (Park; Road; Spring) .....B  
**ILL.—Freeport**  
 Henney Buggy Co. (Spring) .....A  
**ILL.—Geneseo**  
 Sargent & Son, D. F. (Spring) .....B  
**ILL.—Harvey**  
 Austin Mfg. Co. (Automatic Dumping; Garbage), AAA  
 Buda Foundry & Mfg. Co. (Baggage) .....AA  
**ILL.—Moline**  
 Moline Wagon Co.; (Delivery; Farm; Freight; Spring) .....AAAA  
 Sechler Carriage Co., D. M. (Spring) .....AA  
**ILL.—Ottawa**  
 King & Hamilton Co. (Farm) .....AA  
**ILL.—Pekin**  
 Smith & Co., T. & H. (Inc.) (Farm; Spring) .....A  
**ILL.—Quincy**  
 Electric Wheel Co. (Steel) A  
 Knapheide Wagon Co. (Freight; Teaming, etc.)C  
 Koenig & Luhrs Wagon Co. (Laundry) .....B  
**ILL.—Rock Falls**  
 Eureka Co. (Spring) .....B  
**ILL.—Sterling**  
 Rock Falls Mfg. Co. (Undertakers; Ambulance) ...A  
**IND.—Anderson**  
 American Bridge & Scraper Co. (Garbage) .....D  
**IND.—Connersville**  
 McFarlan Carriage Co. (Road; Speed; Spring) AA  
**IND.—Elkhart**  
 Elkhart Carriage & Harness Mfg. Co. (Spring) .....A  
**IND.—Fort Wayne**  
 Olds. Wagon Works (Farm) X  
**IND.—Goshen**  
 Walker-Lewis Carriage Co. (Road) .....B  
**IND.—Indianapolis**  
 Parry Mfg. Co. (Road; Speed) .....AAAA  
**IND.—Richmond**  
 Wayne Works (Delivery; Spring) .....A  
**IND.—South Bend**  
 Birdsell Mfg. Co. (Delivery; Farm; Lumber; Spring Truck; Spring) .....AA

**WAGONS (Con.)**  
 Colfax Mfg. Co. (Spring), C  
 Coquillard Wagon Works (Farm; Spring Truck; Spring) .....A  
 South Bend Toy Mfg. Co. (Asphalt; Dump Freight; Teaming, etc.; Garbage; Ice; Logging; Ore; Coal; Mining; Live Stock; Truck; Spring) .....AAAA  
**IOWA—Burlington**  
 Burg Wagon Co. (Bakers; Butchers; Farm; Freight; Grocers; Mountain Milk; Lumber; Spring) .....A  
**IOWA—Davenport**  
 Bettendorf Axle Co. (Steel; Gear Coal; Farm, etc.)AA  
**IOWA—Dubuque**  
 Connelly, Tom (Est. of) (Road) .....A  
 Cooper Wagon & Buggy Co., A. A. (Farm; Freight; Grain; Lumber; Market; Milk) .....A  
**IOWA—Grinnell**  
 Spaulding Mfg. Co. (Spring) .....AAA  
**KY.—Louisville**  
 Kentucky Wagon Mfg. Co. (Army; Dumping; Farm; Freight; Grocers; Log; Lumber; Truck Spring; Turpentine) .....AAAA  
**KY.—Owensboro**  
 Ames Co., F. A. (Road) ..A  
 Owensboro Wagon Co. (Farm; Freight) .....AA  
**LA.—New Orleans**  
 Schwartz Co. (Ltd.), Jos. (Logging) .....A  
**MAINE—South Paris**  
 Paris Mfg. Co. (Pony; Toy; Childrens; Dog; Goat), A  
**MD.—Baltimore**  
 Leonhardt Wagon Mfg. Co., 412 E. Saratoga (Trolley) O  
**MASS.—Amesbury**  
 Bailey & Co., S. R. (Road) A  
 Biddle & Smart Co. (Spring) B  
 Briggs Carriage Co. (Trolley Delivery; Farm) .....D  
 Dennett & Co., C. N. (Business; Beach; Depot; Spring) .....X  
 Felch & Co., E. S. (Road; Spring) .....B  
 Hassett & Hodge (Depot), A  
**MASS.—Boston**  
 Ames Plow Co. (Farm) AAAA  
 French & Co., Fred F. (Ltd.) (Delivery) .....D  
**MASS.—Leominster**  
 Whitney Carriage Co., F. A. (Toy) .....A  
 Whitney Reed Chair Co. (Toy) .....AAAA  
**MASS.—New Bedford**  
 Brownell, Geo. L. (Est. of) (Undertakers; Spring) ..B  
**MICH.—Charlotte**  
 Benton Mfg. Co. (Toy Express) .....A  
**MICH.—Detroit**  
 Anderson Sons, W. H. (Pole Rising Trolley) .....C  
**MICH.—Flint**  
 Durant-Dort Carriage Co. (Delivery; Road; Spring) .....AAAA  
 Flint Wagon Works (Farm; Road; Spring) .....AA  
**MICH.—Grand Rapids**  
 Belknap Wagon Co. (Express; Farm) .....C  
 Harrison Wagon Co. (Farm; Freight) .....AA  
**MICH.—Jackson**  
 Austin, Tomlinson & Webster Mfg. Co. (Farm; Freight; Plantation; Lumber; Log) .....X  
 Fuller Buggy Co. (Road; Spring) .....A  
 National Wheel Co. (Truck; Spring) .....X  
**MICH.—Kalamazoo**  
 American Carriage Co.

**WAGONS (Con.)**  
 (Road) .....B  
**Kalamazoo Railway Supply Co.** (Baggage; Express; Sugar) .....B  
**Kalamazoo Wagon Co.** (Spring) .....A  
**Michigan Buggy Co.** (Spring) .....A  
**MICH.—Lansing**  
 Lansing Wagon Works (Farm; Spring) .....A  
 Lansing Wheelbarrow Co. (Foundry; Depot) ...AAA  
**MICH.—Owosso**  
 Owosso Carriage Co. (Farm; Road; Spring) .....A  
**MICH.—Pontiac**  
 Dunlap Vehicle Co. (Concord; Road; Spring) ....B  
 Pontiac Buggy Co. (Road; Spring) .....A  
 Pontiac Spring & Wagon Works (Road; Spring), A  
 Scott & Co., R. D. (Road; Spring) .....A  
**MICH.—Port Huron**  
 Port Huron Engine & Thresher Co. (Dumping) AAA  
**MICH.—Saginaw**  
 Farmers' Handy Wagon Co. (Farm; Milk) .....B  
**MICH.—Three Rivers**  
 Sheffield Car Co. (Sugar) AA  
**MINN.—Lake City**  
 Neal, Johns & Co. (Farm) A  
**MINN.—Winona**  
 Winona Wagon Co. (Coal); Farm; Freight; Grain; Lumber; Spring; Truck) AA  
**MO.—Farmington**  
 Long & Bro. Mfg. & Mercantile Co. (Farm) .....A  
**MO.—St. Louis**  
 Luedinghaus-Espenschied Wagon Co., 1715 N. Bway. (Logging; Coal; Dumping; Farm; Lumber; Log) ...AA  
 Whitman Agricultural Co. (Delivery) .....AA  
**N. H.—Concord**  
 Abbot-Downing Co. (Delivery; Express; Mail; Overland; Ambulance; Florida, Australia; Concord; Mountain) .....X  
**N. H.—Nashua**  
 Fletcher & Webster Furniture Co. (Toy) .....C  
 Nashua Novelty Works (Toy) .....B  
**N. J.—Jersey City**  
 Hill, Thos., 312 Henderson (Steel Dumping) .....B  
**N. J.—Trenton**  
 McCardell & Co. J. R. (Trolley; Farm; Spring) ....C  
**N. Y.—Albany**  
 Gould Co., James (Undertakers) .....B  
**N. Y.—Auburn**  
 New Birdsall Co. (Water; Fuel) .....AA  
**N. Y.—Binghamton**  
 Sturtevant-Larrabee Co. (Delivery) .....A  
 Wilkinson Mfg. Co. (Toy; Childrens; Coasting; Dog; Goat) .....A  
**N. Y.—Brooklyn**  
 Shadbolt Mfg. Co., 68 Flushing Av. (Asphalt; Dumping; Garbage) .....B  
**N. Y.—Buffalo**  
 Buffalo-Pitts Co. (Water; Fuel) .....AAAA  
**N. Y.—Canastota**  
 Watson Wagon Co. (Asphalt; Dumping; Garbage) A  
**N. Y.—Cortland**  
 Cortland Wagon Co. (Road; Spring) .....AA  
 Ellis Omnibus & Cab Co. (Delivery; Ice; Milk; Truck; Concord; Patrol) D  
 Keator & Wells Co. (Spring) B  
**N. Y.—Ithaca**  
 Williams Bros (Farm; Lumber; Spring; Truck) ...AA

**WAGONS (Con.)**  
**N. Y.—Long Island City**  
 Daimler Mfg. Co. (Delivery; Motor) .....D  
 Stuebner, G. L. (Coal; Coke) B  
**N. Y.—Marathon**  
 Climax Road Machine Co. (Dumping) .....AA  
**New York City**  
 Brewster & Co., J. B. (Depot; Road) .....B  
 Colwell, A. W. (Sugar) ...D  
 Crandall Carriage Co. (Toy) D  
 Deeley & Co., Robt. (Sugar) AA  
 Horseman Co., E. I. (Toy) C  
 Mace & Co., L. H. (Toy; Toy Express; Spring) .....B  
 Schlesinger & Co. Leo (Toy) AA  
 Stivers, R. M. (Road; Speed) .....B  
 Turl's Sons, Jno., 536 W. 28th (Sugar) .....D  
**N. Y.—Rome**  
 Bingham Harness Co. (Pony; Spring) .....D  
**N. Y.—Schenectady**  
 Wercinghouse Co. (Water; Fuel) .....AA  
**N. Y.—Syracuse**  
 Moyer H. A. (Spring) ....A  
 Syracuse Chilled Plow Co. (Baggage; Express for Railroad Stations) ...AA  
**N. Y.—Troy**  
 Troy Carriage Works (Road) B  
**N. Y.—Waterloo**  
 Waterloo Wagon Co. (Ltd.) (Delivery; Spring; Farm) A  
**N. Y.—Watertown**  
 Babcock Co., H. H. (Pony; Road; Spring) .....AA  
 Union Carriage & Gear Co. (Delivery; Spring) ....B  
 Watertown Spring Works (Delivery; Spring) ....E  
**N. C.—Charlotte**  
 Mecklenburg Iron Works (Truck) .....X  
**OHIO—Akron**  
 Selle & Son, F. (Spring, in the White) .....G  
**OHIO—Buoyrus**  
 American Clay Working Machinery Co. (Platform), X  
 Shunk Plow Co. (Farm) ..B  
**OHIO—Cincinnati**  
 Armleder Co., O. (Laundry; Bakers; Delivery; Express; Furniture; Grocers; Undertakers; Milk) ...B  
 Brown Carriage Co. (Road; Spring) .....C  
 Crane & Breed Mfg. Co. (Undertakers; Ambulance) AA  
 Emerson & Fisher Co. (Road; Spring) .....X  
 Enger, Frank J. (Spring) AAAA  
 Haydock Carriage Co., T. T. (Spring) .....X  
 Klopp & Sons, Louis J. (Bakers; Brewers; Butchers; Furniture; Grain; Grocers; Ice; Milk; Truck) H  
 Marqua Carriage & Toy Co. (Toy) .....E  
 Michael, John H. (Furniture; Laundry) .....B  
 Veerkamp Buggy Co. (Road; Spring) .....E  
**OHIO—Columbus**  
 Buckeye Buggy Co. (Concord; Depot) .....AAA  
 Columbus Buggy Co. (Road; Spring) .....AA  
 Kilbourne & Jacobs Mfg. Co. (Contractors Dump; Baggage; Butchers; Coal; Express; Foundry; Freight; Grain; Platform; Warehouse; Coke; Mill). AAAA  
 Scioto Buggy Co. (Spring) A  
**OHIO—Cuyahoga Falls**  
 Turner, Vaughn & Taylor Co. (Delivery) .....B

## WAGONS (Con.)

**OHIO—Defiance**  
Turnbull Wagon Co. (Farm) AA

**OHIO—Elmwood Place**  
Highland Buggy Co. (Spring) .....X

**OHIO—Marion**  
McMurray Sulky Co. (Skele-  
ton; Spring) .....B

**OHIO—Miamisburg**  
Enterprise Carriage Mfg.  
Co. (Road; Spring) ....A  
Kauffman Buggy Co. (Road) B

**OHIO—Springfield**  
Mast & Co., P. P. (Dump-  
ing; Automatic; Spring) AAAA

**OHIO—Toledo**  
Gendron Wheel Co. (Toy;  
Toy Spring; Express), AA  
Milburn Wagon Co. (Dump-  
ing; Trolley; Bakers;  
Business; Butchers; Coal;  
Delivery; Express; Farm;  
Grain; Furniture; Grocers;  
Ice; Laundry; Lumber;  
Market; Milk; Truck;  
Spring) .....AAA

**OHIO—Westerville**  
Bennett & Co., H. L. (Dump-  
ing; Farm) .....E

**OHIO—Youngstown**  
Youngstown Carriage &  
Wagon Co. (Road; Spring) A

**OHIO—Zanesville**  
Brown Mfg. Co. (Farm) AA

**PA.—Allegheny**  
Beckert, Wm., 1001 Ohio  
(Dumping) .....B

**PA.—Columbia**  
Columbia Wagon Co. (Dump-  
ing; Contractors; Army;  
Farm; Milk) .....A

**PA.—Emigsville**  
Acme Wagon Co. (Dumping) B

**PA.—Erie**  
Thayer Co., H. N. (Express;  
Toy) .....A

**PA.—Harrisburg**  
Jackson Mfg. Co. (Steel;  
Ore; Coal; Mining; Mill;  
Coke) .....B

**PA.—Philadelphia**  
Fulton & Walker Co. (Busi-  
ness; Delivery; Express;  
Freight; Furniture; Gar-  
bage; Grain; Grocers;  
Laundry; Mail; Truck;  
Undertakers; Milk; Ambu-  
lance; Patrol) .....AA  
Morris, Henry G. (Sugar), B

**PA.—Pittsburg**  
Duquesne Vehicle Co., 400  
Duquesne Way (Dumping) X

Marshall Bros. (Farm) ..AA  
Phillips Mine & Mill Supply  
Co. (Larry Coke) ....AA

**PA.—Reading**  
Keystone Wagon Works  
(Bakers; Butchers; Deliv-  
ery; Dumping; Express;  
Laundry; Ice; Market;  
Milk; Spring) .....A

**PA.—Waynesboro**  
Frick Co. (Water; Fuel) AAAA

**PA.—York**  
Hoover Wagon Co. (Bakers;  
Butchers; Delivery; Ex-  
press; Grocers; Laundry;  
Milk) .....C  
York Carriage Co. (Express) AA

**TENN.—Memphis**  
Bodley Wagon Co. (Freight;  
Teaming, etc., up to 30  
Tons; Logging; Army;  
Cane; Coal; Dumping;  
Farm; Lumber; Truck;  
Turpentine; Mountain;  
Plantation) .....A

**VT.—Brattleboro**  
Smith Co., S. A. (Toy; Chil-  
drens; Dog Goat; Toy  
Express) .....AAA

**VA.—Danville**  
Horner Wagon Mfg. Co., W.  
P. (Delivery; Grocers)

## WAGONS (Con.)

Farm; Freight; Park), D  
**VA.—Norfolk**

Wrenn & Son, A. (Farm;  
Spring) .....AA

**W. VA.—Martinsburg**  
Auburn Wagon Co. (Freight;  
Teaming, etc.) .....B

**WIS.—Boscobel**  
Buka Bros. Mfg. Co. (Ltd.)  
(Farm; Spring) .....C

**WIS.—Fond-du-Lac**  
Sweet Co., B. F. & H. L.  
(Farm; Truck; Spring;  
Spring Truck) .....A

**WIS.—Fort Atkinson**  
North Western Mfg. Co.  
(Farm; Spring) .....AA

**WIS.—Jefferson**  
Vaughn Mfg. Co., O. C.  
(Farm; Spring) .....D

**WIS.—Kenosha**  
Bain Wagon Co. (Freight  
Farm; Ore; Spring) ..AAA

Kenosha Crib Co. (Chil-  
drens) .....B

**WIS.—Madison**  
Fuller & Johnson Mfg. Co.  
(Farm; Road) .....AAA

**WIS.—Milwaukee**  
Mielnecke & Son A. (Toy Ex-  
press; Toy) .....AA

**WIS.—Oshkosh**  
Sanford Logging Tool Co., A.  
(Logging) .....D

**WIS.—Racine**  
Case Threshing Machy. Co.,  
J. I. (Water; Fuel) AAAA

Fish Bros. Wagon Co.  
(Freight; Teaming, etc.;  
Logging; Dumping; Ex-  
press; Farm; Grain; Gro-  
cers; Ore; Lumber; Mar-  
ket; Overland; Milk;  
Truck; Mountain Planta-  
tion; Road; Spring) ..AA

Mitchell & Lewis Co. (Ltd.)  
(Bakers; Business; Deliv-  
ery; Express; Farm;  
Freight; Grain; Grocers;  
Laundry; Log; Lumber;  
Market; Milk; Skeleton  
Truck; Spring Truck;  
Beach; Concord; Depot;  
Mountain; Park; Planta-  
tion; Pony Road), AAAA

Winship Mfg. Co. (Street  
Sprinkling) .....E

**WIS.—Sheboygan**  
Garton Toy Co. ....A

**WIS.—Stoughton**  
Stoughton Wagon Co.  
(Farm; Spring) .....AA

## WAINS- COATING

**MINN.—Minneapolis**  
Tennant, G. H. (Basswood) D

**N. Y.—Binghamton**  
Roberson & Son, A. ....AA

**N. Y.—Brooklyn**  
Brooklyn Metal Ceiling Co.,  
283 Greene St. ....C

Hecia Iron Works, 11th &  
Berry (Iron; Electro;  
Bronze Plated) .....AA

**PA.—East Bangor**  
East Bangor Consolidated  
Slate Co. (Marbelized  
Slate) ....AA

**VT.—Fair Haven**  
Fair Haven Marble & Mar-  
belized Slate Co. (Marble-  
ized Slate) .....B

## WAISTS

See Clothing: Ladies'

## WAITERS

**N. J.—Newark**  
Storm Mfg. Co. (Dumb) AA

**New York City**  
International Silver Co., 9  
Maiden Lane (Silver  
Plated) .....AAAA

**N. Y.—Warsaw**  
Warsaw Elevator Co.

**WAITERS (Con.)**  
 (Dumb) .....B  
**OHIO**—Cincinnati  
 Warner Elevator Mfg. Co.  
 (Dumb) .....AA  
**PA.**—Philadelphia  
 Energy Elevator Co. (Dumb)  
 D  
 Morse, Williams & Co.  
 (Dumb) .....AA  
**PA.**—Pittsburg  
 Marshall Bros. (Dumb), AA  
**PA.**—Reading  
 Speidel, J. G. (Dumb) ....B  
**WIS.**—Milwaukee  
 Kleckhefer Elevator Co., A.  
 (Dumb) .....C

## WAITER'S CLOTHING

See Clothing: Men's

## WALKERS

**ILL.**—Chicago  
 Tothill, W. S., 128 W. Webster Av. (Baby) .....F  
**IND.**—Kendallville  
 Baker & Sons Co., J. R.  
 (Baby) .....C  
**IND.**—Muncie  
 Glasscock Bros. Mfg. Co.  
 (Baby) .....B  
**MO.**—Breckenridge  
 Ward & Son, Frank (Baby)  
 D

## WALLETS

See Leather Goods

## WALLPAPER

See Paper: Wall

## WALLS

**N. Y.**—Brooklyn  
 Brooklyn Metal Ceiling Co.,  
 283 Greene Av. (Embossed) .....C  
**New York City**  
 New York Metal Ceiling Co.  
 (Steel) .....B

## WALNUT

See Lumber

## WALNUTS

See Nuts: Edible

## WANDS

**OHIO**—Piqua  
 Piqua Handle & Mfg. Co.  
 (Caesthenic) .....A

## WARDROBES

See Furniture

## WARE: CHINA

See Chinaware

## WARE: EARTHEN

See Earthenware; Pottery

## WARE: ENAMELED; AGATE, ETC.

See Enameled Ware

## WARE: STONE

See Stoneware; Pottery

## WARMERS

**CONN.**—Meriden  
 Manning, Bowman & Co.  
 (Tumbler) .....AA  
**IND.**—La Grange  
 La Grange Robe & Tanning  
 Co. (Wrist) .....H

## WARMERS (Con.)

**MD.**—Baltimore  
 Hutchinson Bros., 116 No.  
 Howard (Dish) .....D  
**MICH.**—Detroit  
 American Electrical Heater  
 Co. (Foot) .....B  
**N. H.**—Pike Station  
 Pike Mfg. Co. (Soapstone  
 Tool) .....A  
**N. Y.**—Brooklyn  
 Sweeney Mfg. Co., W. H.  
 (Tumbler) .....B  
**N. Y.**—Buffalo  
 Aldrich Mfg. Co. (Bed;  
 Foot) .....A  
**Jewett Mfg. Co., John C.**  
 (Foot; Tumbler; Bed) AA  
**New York City**  
 Hadaway Electric Heating &  
 Engineering Co., 136 Liberty (Plate) .....D  
**Lalance & Grosjean Mfg. Co.**  
 19 Cliff (Foot; Bed) AAAA  
**N. Y.**—Danville  
 Dick, W. H. (Foot) .....E  
**New York City**  
 Lalance & Grosjean Mfg. Co.  
 (Foot; Tumbler) .....AAAA  
**Stoutenborough, X.** (Tumbler) .....D  
**Sudbury & Co., E. B.**  
 (Wrist) .....B  
**VT.**—Bennington  
 Cooper, Chas. (Wrist) ....B

## WARPERS

**CONN.**—Stonington  
 Atwood-Morrison Co. ....AA  
**MASS.**—Boston  
 Riley & Co., C. E., 95 Franklin .....A  
**MASS.**—Hopedale  
 Draper Co. ....AAAA  
**MASS.**—Lowell  
 Entwistle Co., T. C. ....B  
**Lowell Machine Shop (Lease; Slasher)** .....AAAA  
**MASS.**—Whitinsville  
 Whitin Machine Works  
 AAAA  
**MASS.**—Worcester  
 Crompton & Knowles Loom  
 Works .....AAAA  
**N. J.**—Paterson  
 Atherton Machine Co. ....B  
**Eastwood Co., Benj.** (Horizontal; Swiss) .....A  
**Paterson Machine Works, 48 Warren** (Horizontal; Swiss) .....F  
**Royle & Sons, Jno.** (Ribbon) A

**N. Y.**—Cohoes  
 Cohoes Iron Foundry & Machine Co. ....A  
**PA.**—Philadelphia  
 Altemus, Jacob K., 282 N. 4th .....D  
**Butterworth & Sons Co., H. W., 2415 E. York** .....A  
**Fairmount Machine Co., 2106 Wood** .....A  
**Globe Machine Works, 2009 Oxford (Ball; Chain)** ...X  
**R. I.**—Pawtucket  
**H. & B. American Machine Co. (Ltd.)** .....AA

## WARPS

**ALA.**—Tallassee  
 Tallassee Falls Mfg. Co.  
 (Cotton) .....X  
**CONN.**—Norwich  
 Ossawan Mills Co. (Carpet) B  
**CONN.**—Vernon  
 Ravine Mills Co. (Cotton) X  
**CONN.**—Windsor Locks  
 Montgomery Co., J. R. (Colored; Fancy Cotton) ...AA  
**GA.**—Augusta  
 Riverside Mills (Carpet) AA  
**GA.**—Macon  
 Bibb Mfg. Co. (Carpet; Cotton) .....AAAA  
**GA.**—Roswell  
 Roswell Mfg. Co. (Cotton) A  
**KY.**—Maysville  
 January & Wood Co. (Cotton) .....A

**WARPS (Con.)**

**LA.—New Orleans**  
Lane Cotton Mills (Carpet) AAA

**MAINE—Westbrook**  
Dana Warp Mills .....A

**MAINE—Winthrop**  
Winthrop Mills Co. (Cotton) A

**MD.—Alberton**  
Alberton Cotton Mills (Cotton) .....AAAA

**MD.—Baltimore**  
Ashland Mfg. Co. (Cotton) AA

**MASS.—Adams**  
Plunkett & Sons, W. C. (Cotton) .....AAA  
Renfrew Mfg. Co. (Cotton) AAA

**MASS.—Fall River**  
Westport Mfg. Co. (Cotton) AA

**MASS.—Fitchburg**  
Grant Yarn Co. ....A

**MASS.—Holyoke**  
Lyman Mills (Cotton) AAAA

**MASS.—Housatonic**  
Monument Mills (Cotton) AAA

**MASS.—Indian Orchard**  
Indian Orchard Co. ....AA

**MASS.—Lawrence**  
Atlantic Cotton Mills (Cotton) .....AAA

**MASS.—New Bedford**  
City Mfg. Corporation (Cotton; Chain) .....AAA

**MASS.—North Oxford**  
Wamsutta Mills (Cotton) AAAA

**MASS.—Pittsfield**  
Bartlett, Edwin (Satinet) B

**MASS.—Southbridge**  
Peck Mfg. Co., Jabez L. & T. D. (Satinet) .....AA

**MASS.—Southbridge**  
Central Mills Co. (Cotton) A

**New York City**  
Hoffman-Carr Mfg. Co., 107 Duane .....AA

**N. C.—Belmont**  
Kelley & Co., Henry C. ..B  
Sternberg & Co., F., 530 Bway. ....E

**N. C.—Bynum**  
Stowersville Cotton Mill (Cotton) .....X

**N. C.—Chapel Hill**  
Odell Mfg. Co. J. M. (Cotton) .....B

**N. C.—Charlotte**  
Lloyd, Thos. F. (Cotton), B  
Atherton Mills (Cotton) ..A  
Charlotte Cotton Mills (Cotton) .....A

**Cleveland Mills**  
Cleveland Cotton Mills (Carpet) .....B

**N. C.—Concord**  
Cañon Mfg. Co. (Cotton) AA

**N. C.—Dallas**  
Dallas Cotton Mills (Cotton) B

**N. C.—Double Shoal**  
Double Shoal Cotton Mills (Cotton) .....D

**N. C.—Franklinton**  
Sterling Cotton Mills (Cotton) .....A

**N. C.—Franklinville**  
Franklinville Mfg. Co. (Cotton) .....B

**N. C.—Gastonia**  
Avon Mills (Cotton) .....A

**N. C.—Granite Falls**  
Granite Falls Mfg. Co. (Cotton; Carpet) .....B

**N. C.—Hillsboro**  
Eno Cotton Mills (Cotton) B

**N. C.—Jamestown**  
Oakdale Cotton Mills (Inc.) (Cotton) .....A

**N. C.—Lawndale**  
Dickson Cotton Mill (Cotton) B

**N. C.—Lincolnton**  
Elm Grove Cotton Mills (Cotton) .....B

**Laboratory Cotton Mills**  
(Cotton) .....A

**WARPS (Con.)**

**N. C.—Lowell**  
Lowell Cotton Mills (Cotton) B

**N. C.—McAdenville**  
McAden Mills (Cotton) ...AA

**N. C.—Meriden**  
Providence Cotton Mills (Cotton) .....B

**Union Cotton Mills**  
(Cotton) B

**N. C.—Mount Holly**  
Tuckasee Mfg. Co. (Cotton) .....A

**N. C.—Paterson**  
Gwyn-Harper Mfg. Co. (Carpet; Cotton) .....B

**N. C.—Rockingham**  
Pee Dee Mfg. Co. (Cotton) A

**Roberdel Mfg. Co.**  
(Cotton) A

**N. C.—Rockymount**  
Rockymount Mills (Cotton) AA

**N. C.—Salem**  
Arista Mills (Cotton) ...AA

**N. C.—Salisbury**  
Vance Cotton Mills (Cotton) B

**N. C.—Wilson**  
Wilson Cotton Mills (Cotton) .....B

**PA.—Philadelphia**  
Saffarlen & Co., Jos. A. (Rag Carpet) .....B

**R. I.—North Kingstown**  
Rodman Mfg. Co. (White; Colored Cotton) ....AAA

**R. I.—Pawtucket**  
Greene & Daniels Mfg. Co. (Cotton) .....AA

**Jenkes Spinning Co.**  
Slater Cotton Co. (Cotton) AA

**R. I.—Woonsocket**  
Ray Cotton Co. (Cotton) ..X

**S. C.—Orangeburg**  
Cornelson, Geo. H. (Cotton Carpet) .....A

**S. C.—Pelham**  
Pelham Mills (Cotton) ...A

**TENN.—Englewood**  
Brient Bros. (Carpet) ....B

**TENN.—Lawrenceburg**  
Dustin, W. H. (Carpet) ..D

**TENN.—Nashville**  
Nashville Woollen Mill Co. (Carpet) .....A

**Tennessee Mfg. Co.**  
(Carpet) X

**TENN.—Paris**  
Currier & Co., John T. (Carpet) .....X

**TENN.—Rockford**  
Rockford Cotton Mills (Carpet) .....G

**WASH**

**ILL.—Chicago**  
Stuart & Co., D. A. (Inc.) (Cattle) .....C

**N. J.—Jersey City**  
Dixon Crucible Co., Jos. (Core) .....AAA

**New York City**  
Caswell, Massey & Co. (Mouth) .....X

**Oolgate & Co.**  
(Mouth) AAA

**OHIO—Cincinnati**  
Obermayer Co., S. (Core) AA

**OHIO—Cleveland**  
Smith Fdry. & Supply Co., J. D. (Founders') .....D

**PA.—Philadelphia**  
Johnson & Lund (Mouth) AA

**Paxson Co., J. W.**  
(Core) AA

**White Dental Mfg. Co., S. S.**  
(Mouth) .....AAAA

**WASHBOARDS**

See also Woodenware

**IND.—Easton**  
Standard Washboard Co. ..C

**WASHBOARDS (Con.)**

**IND.**—Fort Wayne  
Bowser Co., S. F. ....B  
**MICH.**—Saginaw  
Saginaw Mfg. Co. ....AA  
**MINN.**—Minneapolis  
Lloyd Mfg. Co. ....A  
**MO.**—St. Louis  
Mississippi Glass Co. ....AA  
New York City  
Mace & Co., L. H. ....B  
**OHIO**—Cleveland  
American Washboard Co.,  
1747 E. Mad. ....AA  
Lapham, Owen T. ....B  
**OHIO**—Salem  
Clark Co., W. J. ....A  
**OHIO**—Toledo  
Union Mfg. Co. ....X  
**TEXAS**—Farmersville  
Farmersville Mfg. Co. ....B

**WASHERS**

See also Burrs; Machinery;  
Hardware; Carriage

**CAL.**—San Francisco  
Payne's Bolt Works (Cast  
Iron; Wrought Iron;  
Steel) ....A  
Selby Smelting & Lead Co.  
(Lead) ....AAA  
**CONN.**—Bridgeport  
Bridgeport Brass Company  
(Brass; Copper) ....AA  
Canfield, H. O. (Rubber)  
D  
Gaynor & Mitchell Mfg. Co.  
(Brass; Copper) ....D  
**CONN.**—Bristol  
Sessions & Son, J. H.  
(Wrought) ....AAA  
**CONN.**—Derby  
Birmingham Iron Foundry  
(Cloth) ....A  
Shelton Co. (Wrought) ....A  
**CONN.**—Hartford  
Hartford Rubber Works Co.  
(Rubber) ....AAAA  
**CONN.**—Middletown  
Douglas, W. & B. (Street)  
A  
Wilcox, Crittenden & Co.  
(Iron; Steel) ....A  
**CONN.**—Milldale  
Clark Bros. & Co. (Iron;  
Steel; Wrought) ....A  
**CONN.**—Mt. Carmel  
Mt. Carmel Bolt Co. (Iron;  
Steel) ....B  
**CONN.**—New Britain  
Corbin, P. & F. (Iron;  
Steel) ....AAAA  
Stanley Works (Wrought;  
Steel; Brass) ....AAA  
**CONN.**—New Haven  
Cowles & Co., C. (Iron) ...A  
Peck Bros. & Co. (Bottle)  
A  
Reynolds & Co. (Brass;  
Copper; Iron; Steel) ...B  
**CONN.**—Plainville  
Clark & Cowles (Iron;  
Steel) ....B  
**CONN.**—Southington  
Aetna Nut Co. (Iron;  
Steel) ....A  
**CONN.**—Unionville  
Humphrey, H. W. (Brass;  
Iron; Steel; Tin) ....E  
Union Nut & Bolt Co.  
(Iron; Steel) ....A  
Upson Nut Co. (Brass;  
Copper; Iron; Steel;  
Cast; Wrought) ....AAA  
**CONN.**—Waterbury  
Benedict & Burnham Mfg.  
Co. (Brass; Copper) ....AAAA  
Plume & Atwood Mfg. Co.  
(Brass; Copper) ....AAA  
Steel & Johnson Mfg. Co.  
(Brass; Copper) ....A  
Waterbury Brass Co.  
(Brass; Copper) ....AAA  
**CONN.**—Winsted  
Moore, Franklin Co. (Iron;  
Steel) ....A  
Richards Hardware Co., T  
C. (Iron; Steel) ....A  
**DEL.**—Wilmington  
American Vulcanized Fibre

**WASHERS (Con.)**

Co. (Fibre; Axle; Insu-  
lating) ....AAAA  
Delaware Hard Fibre Co.  
(Fibre; Axle; Insulating)  
B  
Diamond State Steel Co.  
(Cast Iron; Fibre; Insu-  
lating; Iron; Steel) .AAA  
Wilmington Malleable Iron  
Co. (Malleable Iron) ...A  
**ILL.**—Chicago  
Chicago Rawhide Mfg. Co.  
(Carriage Axle) ....A  
Continental Bolt & Iron  
Wks., 22d & Union (Iron;  
Steel) ....B  
Gates Iron Wks. (Ore) ...AAAA  
Goodsell Packing Co., 33  
So. Canal (Leather) ...B  
Grand Crossing Tack Co.  
(Wrought) ....A  
Illinois Malleable Iron Co.  
(Street) ....AAAA  
King & Andrews Co., 37  
N. State (Cast Iron) ...A  
Morgan & Wright, 331 W.  
Lake (Rubber) ....AA  
Republic Iron & Steel Co.,  
Stock Exch. Bldg. (Iron;  
Steel; Cast; Wrought)  
AAAA  
Sills Mica Co., W. H., 64  
Michigan (Insulating) .X  
**ILL.**—Freeport  
Stover Mfg. Co. (Cast Iron;  
Steel) ....A  
**ILL.**—Rockford  
Sovereign Co., C. E.  
(Leather) ....C  
**ILL.**—Sterling  
Lawrence Bros. (Wrought)  
AA  
**IND.**—Kendallville  
Flint & Walling Mfg. Co.  
(Street) ....AA  
**IND.**—Madison  
Tower Mfg. Co. (Basket)  
O  
**IND.**—Wabash  
Lauder, Harter & Harsh  
Mfg. Co. (Leather Axle)  
C  
**KANS.**—Wichita  
Wichita Mfg. Co. (Cast  
Iron) ....C  
**MAINE**—Kennebunk  
Leatheroid Mfg. Co.  
(Fibre; Insulating) ....A  
**MD.**—Baltimore  
Bartlett, Hayward & Co.  
(Gas House) ....AAA  
Dietrich Bros., 344 North  
(Iron; Steel) ....E  
Levering Bros. (Cast) ...C  
National Supply Co., 7 W.  
Lombard (Iron; Steel) ...B  
Ryan-McDonald Mfg. Co.,  
44 South (Cast Iron) ...A  
**MASS.**—Boston  
Bay State Axle Washer Co.  
(Leather Axle) ....X  
Boston Belting Co. (Air  
Brake; Rubber; Hose)  
AAAA  
Boston Belt Co., 33 Pur-  
chase (Cast Iron; Steel)  
B  
Empire Laundry Machinery  
Co. (Hand; Clothes) ...E  
Marston & Co., I. G.  
(Leather; Carriage Axle;  
Rubber) ....D  
New England Bolt & Nut  
Co., 253 Atlantic Av.  
(Iron; Steel) ....C  
Revere Rubber Co., 63  
Franklin (Rubber) AAAA  
Stoddard, Haserick, Rich-  
ards & Co., 152 Congress  
(Wool) ....AAAA  
**MASS.**—Lowell  
American Bolt Co. (Iron;  
Steel) ....B  
**MASS.**—Lynn  
Hoyt Bros. & Co. (Bottle)  
A  
**MASS.**—North Adams  
Hunter Machine Co., Jas.  
(Cloth; Wool) ....A  
**MASS.**—Orange  
Hunt, Rodney Machine Co.

<b>WASHERS (Con.)</b>	
(Cloth) .....	A
<b>MASS.—Plymouth</b>	
Cobb & Drew (Iron; Steel; Wrought) .....	AA
Plymouth Mills (Small Iron; Steel) .....	B
<b>MASS.—Somerville</b>	
Birch Bros. (Cloth) ....	D
<b>MASS.—Springfield</b>	
Springfield Machine Screw Co. (Nickel Plated) ....	D
<b>MASS.—Taunton</b>	
Taunton Rivet Co. (Steel)	E
<b>MASS.—Westfield</b>	
American Whip Co. (Leather Axle) ....	AAA
Planet Mfg. Co. (Spiral Leather Axle) .....	D
<b>MASS.—Westford</b>	
Sargent's Sons, C. G. (Wool) .....	A
<b>MASS.—Worcester</b>	
Reed & Prince Mfg. Co. (Iron; Steel) .....	B
Smith & Co., Thomas (Iron; Steel) .....	D
Wilson & Smith, 40 Vine (Brass; Cast Iron; Cop- per; Wrought; Lead) ..	D
<b>MICH.—Battle Creek</b>	
Sherman Mfg. Co., H. B. (Leather) .....	B
<b>MICH.—Detroit</b>	
Detroit Leather Specialty Co., 271 Beecher Av. (Leather) .....	E
Michigan Bolt & Nut Wks. (Iron; Steel) .....	A
<b>MICH.—Jackson</b>	
McKeel & Co., Geo. A.	
<b>MO.—Kansas City</b>	
Kansas City Bolt & Nut Co. (Iron; Steel) .....	A
<b>MO.—St. Louis</b>	
Hager & Sons Mfg. Co., 2427 De Kalb (Iron; Steel) .....	A
Kupferle, Jno. C., 2d & Mound (Cast Iron) ....	A
Moran Bolt & Nut Mfg. Co. (Cast Iron; Steel) ....	A
Nelson Mfg. Co., N. O. (Street) .....	AAA
Pleuger & Henger Mfg. Co., Hebert & 11th (Cast Iron; Street; Hydrant)	A
St. Louis Malleable Cast- ings Co. (Malleable Iron; Cast) .....	A
Western Foundry & Sash Weight Co., 2d & Miller (Cast Iron) .....	D
<b>N. H.—Concord</b>	
Page Belting Co. (Leath- er, all kinds) .....	A
<b>N. J.—Bound Brook</b>	
Graphite Lubricating Co. (Insulating) .....	A
<b>N. J.—Jersey City</b>	
Maslin & Son, J. (Bottle)	D
New Jersey Car Spring & Rubber Co. (Air Brake; Rubber) .....	AA
Voorhees Rubber Mfg. Co., 18 Bostwick Av. (Rub- ber) .....	A
<b>N. J.—Milltown</b>	
International Automobile & Vehicle Tire Co. (Rub- ber) .....	B
<b>N. J.—Newark</b>	
Bell, Andrew, 371 Market (Leather) .....	G
Jenkinson & Co., R. C. (Wrought) .....	A
National Lock Washer Co., 65 Johnson (Lock) ....	A
Newark Leather Washer Mfg. Co. (Leather) ....	E
<b>N. J.—Paterson</b>	
Watson Machine Co. (Cloth; Wool) .....	A
<b>N. J.—Raritan</b>	
Kenyon & Son, D. R. (Cloth; Wool) .....	A
<b>N. J.—Trenton</b>	
Consolidated Rubber Co. (Rubber) .....	B
Crescent Belting & Pack-	
<b>WASHERS (Con.)</b>	
ing Co. (Rubber) ....	A
Empire Rubber Mfg. Co. (Rubber) .....	A
Hamilton Rubber Co. (Rub- ber) .....	A
Home Rubber Co. (Hose; Rubber; Glass) .....	AA
Stokes Rubber Co., Jos. (Rubber) .....	A
Trenton Rubber Mfg. Co. (Rubber; Hose) .....	A
United & Globe Rubber Mfg. Co. (Rubber) ....	AAA
Whitehead Bros. Rubber Co. (Rubber) .....	A
<b>N. Y.—Auburn</b>	
Leather & Brass Mfg. Co. (Leather; Asbestos; Felt Paper; Bicycle Felt; Rub- ber) .....	E
Meyer & Co. (Iron; Steel)	B
<b>N. Y.—Buffalo</b>	
Hoffeld & Co., R. (Car- riage Axle) .....	AA
McKinnon Dash Co. (Leath- er Prop Block) .....	AA
Squier Mfg. Co., George L. (Coffee) .....	A
<b>N. Y.—Clifton Springs</b>	
Judd & Leland Mfg. Co. (Leather) .....	C
<b>N. Y.—Manlius</b>	
Cheney & Son, S (Cast Iron) .....	A
<b>New York City</b>	
Brass Goods Mfg. Co., 7 Warren (Brass; Copper)	B
Brooks & Co., E. J. (Lead)	B
Cahn & Co., Hugo (Cork)	A
Floyd's Sons, James R. (Gas House) .....	A
Glauber, Samuel S., 1393 3d Av. (Leather) .....	E
Glauber & Co., M. 317 E. 58th (Leather) .....	B
Goodyear Rubber Co., 787 B'way (Rubber) .....	AAAA
Grenlie, Wyatt & Co., 490 Water (Iron; Steel) ...	B
Gutta Percha Rubber & Mfg. Co., 126 Duane (Rubber; Hose) .....	AAAA
Hall's Sons, Sam'l, 229 W. 10th (Iron; Steel) ....	A
Haydenville Mfg. Co. (Street) .....	A
Hungerford Brass & Cop- per Co., U. T. (Mfrs. Agts.) (Brass, Copper)	A
Jenkins Bros., 71 John (Leather; Wrought) ..	AA
Johns-Manville Co., H. W., 100 William (Insulating)	AAAA
Manhattan Rubber Mfg. Co., 126 Duane (Rubber)	AA
Metal Stamping Co. (Car- riage Axle) .....	B
Mica Insulator Co., 218 Water (Insulating) ...	B
New York Belting & Pack- ing Co. (Ltd.) 25 Park Place (Rubber) .....	AAA
New York Rubber Co. (Rubber) .....	AA
New York Washer Wks. 78 Barrow (Leather) ...	D
Ogden & Co., C. S., 874 E. 159th (Leather) .....	D
Sargent & Co., 151 Leonard (Wrought) .....	AAAA
Schoonmaker, Adrain O., 221 Fulton (Insulating)	D
Union Nut & Bolt Co., 107 Chambers (Wrought Iron) .....	B
Witteman Bros. (Bottle)	A
<b>N. Y.—Portchester</b>	
Russell, Burdall & Ward Bolt & Nut Co. (Iron; Steel) .....	AAAA
<b>N. Y.—Rochester</b>	
Yawman & Erbe Mfg. Co. (Bottle; Tumbler) ....	AA

**WASHERS (Con.)**

**N. Y.—Rome**  
Rome Brass & Copper Co.  
(Brass; Copper) .....AAAA

**N. Y.—Schenectady**  
General Electric Co. (Insulating) .....AAAA

**N. Y.—Seneca Falls**  
Climax Specialty Co.  
(Leather) .....B

**Rumsey & Co. (Ltd.)**  
(Street) .....A

**N. Y.—Syracuse**  
Kendrick Valve & Washer Co. (Leather) .....C

**New Process Raw Hide Co.**  
(Leather; Rawhide) ...C

**N. Y.—Troy**  
Ludlow Valve Mfg. Co.  
(Street) .....AAA

**Troy Laundry Machine Co.**  
(Ltd.) (Hand; Clothes) AA

**Troy Stamping Wks. (Tin Roofing)** .....AAAA

**N. C.—Charlotte**  
Mecklenburg Iron Wks.  
(Ore) .....X

**N. C.—Winston-Salem**  
Salem Iron Wks. (Coffee) B

**OHIO—Akron**  
Goodrich Co., B. F. (Rubber) .....AAAA

**Whitman & Barnes Mfg. Co.**  
(Rubber) .....AAAA

**OHIO—Canton**  
Whiteman Mfg. Co. (Tumbler) .....C

**OHIO—Cincinnati**  
Blymer Iron Wks. Co.  
(Coffee) .....D

**Cincinnati Screw & Tap Co., 2442 Beekman (Iron; Steel; Wrought)** .....B

**Day & Co., J. H. (Bottle)** C

**Evans Steel & Iron Co., C. W., 22 W. 2d (Iron; Steel)** B

**Littleford Bros. 453 E. Pearl (Lead)** .....D

**Monarch Carriage Goods Co.**  
(Carriage; Prop Block) .....B

**Murdock & Co., J. G., 428 Plum (Street; Hydrant)** A

**Norwood Machine & Mfg. Co., 67 Plum (Finished Steel)** .....B

**Robertson Steel & Iron Co., Front (Iron; Steel)** ...A

**Van John Range Co.**  
(Steam Dish) .....A

**OHIO—Cleveland**  
Avery Stamping Co.  
(Wrought Steel; Iron; Steel) .....A

**Bettcher Mfg. Co. (Iron; Steel)** .....D

**Brown & Knowles Mfg. Co., 68 Main (Iron; Steel)** .....A

**Chicholm Steel Shovel Wks. (Steel)** .....AAA

**Lake Erie Iron Co., 155 St. Clair (Iron; Steel)** AAAA

**Mechanical Rubber Co.**  
(Rubber) .....AAAA

**Osborn Mfg. Co. (Railroad Car)** .....A

**Topliff Mfg. Co., I. N. (Steel)** .....AA

**OHIO—Columbiana**  
Columbiana Pump & Machine Co. (Street) ...C

**OHIO—Columbus**  
Columbus Bolt Wks. (Iron; Steel) .....A

**Lanman Co., E. B.**  
(Wrought Iron; Steel) .X

**Ohio Pump & Brass Co., 18th & Oak (Nickel; Slab Closet; &c. Plumber's)** .B

**OHIO—Coshocton**  
Keagy & Lear Machine Co.  
(Cast Iron) .....C

**OHIO—Dayton**  
City Forge & Iron Wks.  
(Malleable Iron) .....D

**WASHERS (Con.)**

**OHIO—Mansfield**  
Barnes Mfg. Co. (Leather) B

**OHIO—Salem**  
Clark Co., W. J. (Iron; Steel; Wrought; Leather) B

**Deming Co. (Street)** ....A

**OHIO—Youngstown**  
Republic Rubber Co. (Rubber) .....AA

**PA.—Allegheny**  
Graham Nut Co., 735 Rebecca (Iron; Steel) ...C

**McKinney Mfg. Co. (Steel; Wrought)** .....AA

**PA.—Columbia**  
Wilson Laundry Machinery Co. (Hand; Clothes) ..B

**PA.—Corry**  
Raymond Mfg. Co. (Leather; Wire) .....C

**Whittlesey & Sons, H. E. (Leather)** .....C

**PA.—Erie**  
Continental Rubber Wks.  
(Rubber) .....A

**Griffin Mfg. Co. (Wrought Iron; Steel)** .....A

**Lovell Mfg. Co. (Ltd.)**  
(Hand; Clothes) ....AA

**PA.—Lancaster**  
Armstrong Cork Co. (Cork) AAAA

**Penn. Iron Co. (Car, &c.; Iron; Steel)** .....A

**PA.—Lebanon**  
American Iron & Steel Mfg. Co. (Brass; Cast Iron Steel; Copper; Wrought) AAAA

**PA.—Mechanicsburg**  
Comstock, Geo. S. (Ore) .D

**PA.—Millersburg**  
Millersburg Fifth Wheel Co. (Wrought) .....B

**PA.—Milton**  
Milton Mfg. Co. (Iron; Steel) .....A

**PA.—New Castle**  
New Castle Forge & Bolt Co. (Wrought Iron; Steel) .....A

**PA.—Philadelphia**  
Allison Mfg. Co., 32d & Chestnut (Iron; Steel) AAAA

**Bancroft & Co., Drexel Bldg. (Cast)** .....X

**Hoopes & Townsend Co., 1330 Buttonwood (Cast Iron; Steel)** .....AAA

**Houghton & Co., E. F. 240 W. Somerset (Leather)** .B

**Nicetown Plate Washer Co.**  
(Brass; Lead; Wrought) B

**Phosphor Bronze Smelting Co., 2200 Washington Av. (Phosphor Bronze)** ...A

**Smith Woolen Machinery Co., James, 411 Race (Wool)** .....A

**Twitchell Co., S. (Bottle)** A

**PA.—Phoenixville**  
Logan Mfg. Co. (Cast) ...B

**PA.—Pittsburg**  
American Steel Hoop Co.  
(Wrought) .....AAAA

**Baker Mfg. Co., Jas. H. Park Av. (Steel)** ....A

**Hubbard & Co., Murland Bldg. (Iron; Steel)** ...A

**Lanz & Sons, Mathew, 101 So. 29th (Square; Round; Iron; Steel Cast; Wrought)** .....B

**Marland Neely & Co. (Ltd.)**  
So. 22d & P. R. R. (Iron; Steel) .....A

**Oliver Iron & Steel Co.**  
(Iron; Steel) .....AAAA

**Pittsburg Mfg. Co., 28th & Railroad (Iron)** ....A

**Pittsburg Screw & Bolt Co., Liberty Av. & 25th (Iron; Steel)** .....B

**Westinghouse Electric Mfg. Co. (Insulating)** .AAAA

**PA.—Scranton**  
Scranton Bolt & Nut Co.



**WASHERS (Con.)**

(Iron; Steel) .....A  
**PA.—So. Bethlehem**  
 Bethlehem Foundry & Machine Co. (Cast) .....C  
**PA.—West Chester**  
 Rapp, Barnet R. (Milk Can) .....H  
**PA.—Williamsport**  
 Darling Pump & Mfg. Co. (Leather) .....B  
**R. I.—Bridgeton**  
 Hopkins Machine Wks. (Cloth) .....C  
**R. I.—Bristol**  
 National India Rubber Co. (Insulating) .....AAA  
**R. I.—East Providence**  
 Eastern Bolt & Nut Co. (Cast; Wrought) .....A  
**R. I.—Pawtucket**  
 Haskell Mfg. Co., Wm. H. (Brass; Cast Iron; Steel; Copper; Wrought) .....A  
 Pawtucket Mfg. Co. (Iron; Steel) .....A  
**R. I.—Providence**  
 Rhode Island Tool Co. (Brass; Copper) .....AAA  
 Textile Finishing Machinery Co., 17 Exch. Place (Cloth; Warp; Yarn) .....AAA  
**TENN.—So. Pittsburg**  
 Blacklock Foundry (Cast) .....D  
**VA.—Richmond**  
 Old Dominion Iron & Nail Wks. Co. (Iron; Steel) .....A  
**W. VA.—Wheeling**  
 Wheeling Corrugating Co. (Lead) .....A  
 Wheeling Hinge Co. (Iron; Steel) .....AA  
**WIS.—Milwaukee**  
 Allis-Chalmers Co. (Ore) .....AAAA  
 Vilter Mfg. Co. (Milk Bottle) .....AA  
 Wrought Washer Mfg. Co. (Iron; Steel) .....A  
**WIS.—Racine**  
 Racine Jewelry Mfg. Co. (Spectacle) .....X  
 Winship Mfg. Co. (Hand; Clothes) .....C

**WASTE (Con.)**

**MASS.—Boston**  
 Bishop, Robt. (Est. of.) (Nat. Carpet Lining Co.) 175 W. 6th (Cotton Packing; Wiping) .....A  
**MASS.—Chicopee**  
 Olmstead & Tuttle Co. (Cotton) .....A  
**MASS.—Fall River**  
 Estes & Son, John H. (Cotton) .....A  
 Massasoit Mfg. Co. (Cotton) .....A  
**MASS.—Lowell**  
 Lowell Waste Co. ....B  
**MASS.—Springfield**  
 Little & Co., Dexter P. (Cotton) .....A  
 Springfield Waste Co. (Cotton) .....B  
**MO.—St. Louis**  
 Broderick & Bascom Rope Co. (Cotton) .....AA  
 Leschen & Sons Rope Co. (Cotton) .....AA  
**N. Y.—Cohoes**  
 United Waste Mfg. Co. (Cotton) .....B  
**N. Y.—Utica**  
 Allison & Co., G. F. (Machine Wiping) .....B  
**OHIO—Cincinnati**  
 Railway Supply & Mfg. Co. (Cotton; Wool) .....B  
**OHIO—Cleveland**  
 Nat. Woolen Co. (Wool) .....AA  
**PA.—Philadelphia**  
 Blakeley & Son, Jno. (Cotton; Wool) .....B  
 Dixon & Son, Wm. F. (Cotton; Woolen) .....C  
 Hall & Co. (Cotton; Woolen) .....B  
 Johnson, Wm. J. (Wool) .....B  
 Sykes, David (Cotton; Wool) .....B  
 Wallace & Bro., Jno. H. (Fine Garnetted) .....B  
**R. I.—Pawtucket**  
 Briggs & Co., H. A. (Cotton) .....A  
 Union Wadding Co. ....AAAA  
**TENN.—Memphis**  
 Livermore Fdry & Machine Co. (Cotton; Wool) .....A

**WASHSTANDS**

See also Furniture

**ILL.—Chicago**  
 Adams & Westlake Co., Ontario, Cor. N. Franklin (Car) .....AAAA  
**ILL.—Rockford**  
 Forest City Furniture Co. (Desk; Reservoir; Table) .....A  
**IND.—Fort Wayne**  
 Indiana Furniture Co. (Desk; Reservoir) .....C  
**OHIO—Hamilton**  
 Meyers Mfg. Co., Fred J. (Reservoir) .....B

**WASHTUBS**

See also Tubs; Woodenware

**WASTE**

**CONN.—Hazardville**  
 Gordon Bros. Co. (Wool; Cotton) .....A  
**GA.—Augusta**  
 Riverside Mills (Cotton; Wool; Spinning; Battling) .....AA  
**GA.—Marietta**  
 Mariette Paper Mills (Cotton) .....A  
**ILL.—Chicago**  
 Carpenter & Co., Geo. B. 1 5th Av. (Cotton) .....AA  
 Gallagher Mfg. Co., J. D. (Cotton) .....C  
**MD.—Baltimore**  
 Baltimore Waste Co. (Cotton; Woolen) .....A

**WATCHES**

**CONN.—New Haven**  
 New Haven Clock (Complete) .....AAA  
**CONN.—Thomaston**  
 Thomas Clock Co., Seth. (Movements only) .....AAA  
**CONN.—Waterbury**  
 New England Watch Co. (Mfrs. Complete) .....AAA  
**ILL.—Chicago**  
 Schwab, Adolph, 131 Wabash Av. (Importer) .....A  
 Western Watch Case Mfg. Co., 103 State (Gold Cases only) .....C  
**ILL.—Elgin**  
 Elgin National Watch Co. (Movements only) .....AAAA  
 Illinois Watch Case Co. (Cases only) .....AA  
 Star Watch Case Co. (Cases only) .....D  
**ILL.—Rockford**  
 Rockford Watch Co. (Movements only) .....A  
**ILL.—Springfield**  
 Illinois Watch Co. (Movements only) .....A  
**IND.—South Bend**  
 South Bend Watch Co. (Movements only) .....AA  
**KY.—Dayton**  
 Wadsworth Watch Case Co. (Filled Cases only) .....A  
**MASS.—Boston**  
 Howard Watch & Clock Co., E. ....A  
 Margot, Eugene F., 3265 Washington (Gold Cases) .....E  
**MASS.—Waltham**  
 American Waltham Watch

**WATCHES (Con.)**

Co. (Movements only)

AAAA  
 United States Watch Co.  
 (Movements only) ....AA  
**N. J.—Jersey City**  
 International Watch Co.  
 (Complete) .....AAA  
 New York Standard Watch  
 Co. (Complete) .....AAA  
**N. J.—Riverside**  
 Philadelphia Watch Case Co.  
 (Cases only) .....A  
**N. J.—Trenton**  
 Trenton Watch Co. (Manu-  
 facturers; Complete) ..B  
**N. Y.—New York City**  
 Alexander, Adolph, 12 John  
 (Importer) .....B  
 Ansonia Clock Co., 90 John  
 (Complete) .....AAAA  
 Bachrach, A. M., 51 Maiden  
 Lane (Cases only) ....C  
 Brooklyn Watch Case Co.,  
 (Joseph Fahys & Co.,  
 Props.) .....AAA  
 Courvoisier, Wilcox Mfg.  
 Co., 21 Maiden Lane  
 (Gold; Filled Cases only)  
 AA  
 Crescent Watch Case Co., 21  
 Maiden Lane (Filled; Sil-  
 ver Cases only) .....AAA  
 Cross & Begueien, 17 Maiden  
 Lane (Importers) .....AA  
 Didisheim & Bros., Hipp,  
 54 Maiden Lane (Import-  
 ers) .....A  
 Doll Mfg. Co., W. F. (Sou-  
 ventir) .....D  
 Dubois Watch Case Co.,  
 21 Maiden Lane (Gold  
 Cases only) .....A  
 Fahys & Co., Jos., 54 Maid-  
 en Lane (Gold Cases only)  
 AAA  
 Hirsh, Leon, 37 Maiden  
 Lane (Importer) .....A  
 Ingersoll & Bros., R. H., 51  
 Maiden Lane (Mfs.; Com-  
 plete) .....A  
 Keller & Untermeyer Mfg.  
 Co. ....AA  
 Levy, Manesseh & Co., 182  
 B'way (Importer) ....B  
 Mathey Bros., Mathez & Co.,  
 21 Maiden Lane (Import-  
 ers) .....B  
 Patek, Phillippe & Co., 68  
 Nassau (Importers) ....B  
 Racine & Co., Jules, 37  
 Maiden Lane (Importers)  
 B  
 Robert, Edmund E., 3 Maid-  
 en Lane (Importer) ....B  
 Roy Watch Case Co., 21  
 Maiden Lane (Gold Cases  
 only) .....C  
 Solidarity Watch Case Co.,  
 3 Maiden Lane (Gold Cases  
 only) .....B  
 Strassburger & Co., Byron  
 L., 17 Maiden Lane (Im-  
 porter) .....AA  
 Wittnauer Co., Alb., 9  
 Maiden Lane (Importer)  
 AA  
**OHIO.—Canton**  
 Dueber Watch Case Mfg. Co.  
 (Gold; Silver; Filled Cases  
 only) .....AAAA  
 Hampden Watch Co. (Move-  
 ments only) .....AA  
**OHIO.—Cincinnati**  
 Gruen, Sons & Co., D. (Im-  
 porters) .....B  
**OHIO.—Cleveland**  
 Ball Watch Co., Webb, C.  
 (Movements only) .....A  
**OHIO.—Mansfield**  
 North American Watch Co.  
 (Cases only) .....A  
**PA.—Lancaster**  
 Hamilton Watch Co. (Move-  
 ments only) .....AA  
**PA.—Philadelphia**  
 Keystone Watch Case Co.  
 (Gold Filled; Silver Cases  
 only) .....AAAA  
 Riggs & Bro., 310 Market  
 B

**WATER**

ILL.—Quincy

**WATER (Con.)**

Flynn & Co., J. J. (Soda)  
 A  
**N. H.—Nashua**  
 Londonderry Lithia Spring  
 Water Co. (Mineral) ..A  
**N. Y.—Ballston Spa**  
 Artesian Lithia Spring Co.  
 (Table) .....D  
**N. Y.—New York City**  
 Bear Lithia Springs Co.  
 (Mineral) .....D  
 Bolen & Byrne Mfg. Co.  
 (Mineral, Soda) .....X  
 Cooper & Co., Charles (Dis-  
 tilled) .....AA  
 Hygeia Sparkling Distilled  
 Water Co. (Table) ....B  
 Lanman & Kemp (Florida)  
 AAA  
 Matthews, John (Firm of)  
 (Soda) .....AA  
 Rubino Healing Spring Co.  
 (Mineral) .....D  
 Schultz, Carl H. (Table;  
 Mineral) .....B  
 Spencer Optical Co. (Eye)  
 C  
 Wetmore Co., S. H. (Flori-  
 da) .....D  
**N. Y.—Saratoga Springs**  
 Champion Natural Carbonic  
 Acid Gas Co. (Mineral).X  
 Excelsior Spring Co. (Min-  
 eral) .....B  
 Geyser Spring Co. (Mineral)  
 D  
 Hathorn & Co. (Mineral) ..A  
 Patterson Mineral Spring  
 (Mineral) .....X  
 Saratoga Carlsbad Spring  
 Co. (Table Mineral)....X  
 Saratoga Vichy Spring Co.  
 (Table; Mineral) .....B  
 Saratoga Victoria Spring  
 (Table; Mineral) .....D  
**OHIO.—Cincinnati**  
 Arctic Ice Co. (Distilled)  
 B  
**TEXAS—El Paso**  
 Houck & Dieter Co. (Soda)  
 A  
**VA.—Buffalo Lithia Springs**  
 Goode, Thos. F. (Table)  
 AAA  
**WIS.—Milwaukee**  
 Zwietusch, Otto (Soda) ...A  
**WIS.—Waukesha**  
 Bethesda Mineral Spring Co.  
 (Mineral) .....A

**WATERERS**

**ILL.—Chicago**  
 Chicago Wheel & Mfg. Co.  
 (Stock) .....C  
**ILL.—Freeport**  
 Stover Mfg. Co. (Stock)  
 AA  
**IOWA—Des Moines**  
 Carter Windmill & Tank Co.  
 (Hog) .....F  
**N. Y.—New York City**  
 Koven & Bro., L. O., 50  
 Cliff (Stock) .....A  
**OHIO—Dayton**  
 Central Basket Wks. (Hog)  
 G

**WATTMETERS**

See also Meters

**CONN.—Waterbury**  
 Bristol Co. (Recording) ..D  
**ILL.—Chicago**  
 Electric Appliance Co., 94  
 W. Van Buren (Interogat-  
 ing Alternating Current)  
 B  
**ILL.—Peoria**  
 Diamond Meter Co. (Re-  
 cording) .....C  
**ILL.—Springfield**  
 Sangamo Electric Co. (Al-  
 ternating Current) .....D  
**IND.—Fort Wayne**  
 Fort Wayne Electric Works  
 (Alternating Current)  
 AAA  
**IND.—Lafayette**  
 Duncan Electric Mfg. Co...B  
**MASS.—Great Barrington**  
 Stanley Instrument Co. (Al-  
 ternating Current) ....AA

**WATTMETERS (Con.)**

**MO.—St. Louis**  
Wagner Electric Mfg. Co.,  
2015 Locust .....AA  
**N. H.—Penacook**  
Whitney Electrical Instru-  
ment Co. ....D  
**N. J.—Waverly Park**  
Weston Electrical Instru-  
ment Co. ....A  
**N. Y.—New York City**  
Empire Electrical Instru-  
ment Co., 656 Hudson..E  
General Inc. Arc. Light Co.,  
570 1st Av. ....A  
**N. Y.—Schenectady**  
General Electric Co. (Pre-  
payment Recording) .....AAAA

**OHIO—Akron**  
Akron Electrical Mfg. Co.  
(Recording).....D  
**PA.—Philadelphia**  
Keystone Electrical Instru-  
ment Co., 9th & Montgom-  
ery .....B  
**PA.—Pittsburg**  
Westinghouse Electrical  
Mfg. Co. (Alternating) .....AAAA

**WAX**

See also Paraffine

**CAL.—Hueneme**  
Levy, A. (Bees) .....A  
**CAL.—San Diego**  
Levi, Sifon (Bees) .....B  
**CAL.—San Francisco**  
Guggenlime & Co., 118 Da-  
vis (Bees) .....A  
Rosenberg Bros. & Co., 211  
Calif. (Bees) .....A  
**ILL.—Chicago**  
Clark, F. C. (Paraffine) .....D

Dennison Mfg. Co. (Sealing) .....AAAA  
Devoe & Reynolds Co., 178  
Randolph (Floor) .....AAAA  
Redlich Mfg. Co. (Sealing) .....E  
Sanford Mfg. Co. (Sealing) .....A

**IND.—Columbia City**  
Pontius, Geo. A. (Sealing) .....D

**MASS.—Boston**  
Baker & Co., Charles F.  
(Burnishing) .....A  
Bowdlear & Co., W. H.  
(Bees; Bleached; Sheet;  
White Sealing) .....B  
Wiley Waxene Co., 92 Sud-  
bury (Floor; Bayberry) .....E

**N. J.—Newark**  
Dovell Son Mfg. Co., R. B.  
(Sealing) .....D  
Pomeroy Co., I. (Sealing) .....F

**N. J.—Rahway**  
Harrison Mfg. Co. (Sealing) .....F

**N. Y.—Albany**  
Holt Co., Jared (Leather) .E

**N. Y.—Brooklyn**  
Wiarda & Co., John C.  
(Bees; White) .....AA

**N. Y.—New York City**  
Brunn, A. W., 2 Stone (Ce-  
resine; Carnauba) .....X

Columbia Wax Works, 85  
Crosby (Bees) .....D  
Cooper & Co., Charles  
(Bees; Bleached) .....AA

Davidson Co., Thaddeus (Seal-  
ing) .....C  
Dennison Mfg. Co. (Sealing) .....AAAA

Fuerst Bros. & Co., 2 Stone  
(Bees) .....B  
Israel & Bro., 490 Canal  
(Bees) .....A

Loeb & Co., Herman (Paraf-  
fine) .....B  
Marx & Rawalle (Sealing) .....AA

Miller Co., Frank (Shoe-  
makers') .....A  
Natl. Gum & Mica Co. .A  
Reed & Hewlett (Bees) .B

Soloman & Bro., 216 Pearl  
(Bees) .....AA

**WAX (Con.)**

Smith & Nichols (Bees;  
Bleached; White; Paraf-  
fine) .....A  
Standard Oil Co. (Paraffine)  
AAAA  
Strohmeyer & Arpe Co.  
(Bees) .....A  
Tidewater Oil Co. (Paraf-  
fine) .....AAAA  
Zinsser & Co., W. (Sealing)  
A

**N. Y.—Syracuse**  
Will & Baumer Co. (Bees;  
Bleached; Ironing Thread;  
Sheet) .....AA

**OHIO—Cincinnati**  
British-American Sealing  
Wax Co. (Sealing) .....D

Moore Oil Co., Chas. H. (Pa-  
raffine) .....A  
Muth Co., F. W., Front &  
Walnut (Bees) .....D

Obermayer Co., S. (Bees) .....AA  
Wells & Co., S., 211 Vine  
(Bees) .....A

**OHIO—Circleville**  
Circleville Sealing Wax Co.  
(Sealing) .....D

**OHIO—Cleveland**  
Monitor Oil Co. (Paraffine)  
Standard Oil Co. (Paraffine)  
AAAA

**OHIO—Dayton**  
Dicks & Wiggim (Sealing)  
C

**OHIO—Tarlton**  
Kelch, J. R. (Sealing) ...D  
**PA.—Allegheny**  
Chamberlin & Johnson (Bot-  
tle; Sealing) .....D

**PA.—Chester**  
Manufacturers' Paraffine  
Co. (Paraffine) .....B

**PA.—Easton**  
Baker & Adamson Chemi-  
cal Co. (Paraffine) .....A

**PA.—Freedom**  
Freedom Oil Works Co. (Pa-  
raffine) .....A

**PA.—Petrolia**  
Petrolia Ref'g. Co. (Paraf-  
fine) .....H

**PA.—Philadelphia**  
Continental Mfg. Co. (Seal-  
ing) .....D  
Crew-Levick Co. (Paraffine)  
AAA

Dennison Mfg. Co. (Sealing)  
(Sealing) .....AAAA  
Stevenson Bros. & Co.  
(Sealing) .....B

**PA.—Pittsburg**  
Waverly Oil Wrks. (Paraf-  
fine) .....AA

**PA.—Titusville**  
Penna. Paraffine Works  
(Paraffine) .....B

**TENN.—McMinnville**  
Mead & Ritchey (Bees) ..D

**WEANERS**  
**CON.—New Britain**  
Landers, Frary & Clark  
(Calif.) .....AAA

**ILL.—Chicago**  
Barbee Wire & Iron Works  
(Calif.) .....B

Pratt Mfg. Co., Wm. E., 91  
Lake (Calif.) .....C

**MASS.—Worcester**  
Hamblin & Russell Mfg. Co.  
(Wire Calif.) .....B

**WEATHER-BOARDING**  
**MO.—St. Louis**  
Harry Steel Works, O. K.  
(Steel) .....B

**N. Y.—New York City**  
Wheeling Corrugating Co.  
(Iron) .....AAAA

**TENN.—Loudon**  
Ward, A. W. ....D

**WEBBING**  
**CONN.—Ansonia**  
Ansonia O. & C. Co. (Cotton

**WEBBING (Con.)**  
 Elastic; Non-Elastic) ...A  
**CONN.—Bridgeport**  
 Connecticut Web Co. (Cotton  
 Suspender; Garter) ...A  
**CONN.—Hamden**  
 New Haven Web Co. (Cotton  
 Suspender; Garter) ...A  
**CONN.—Middletown**  
 Russell Mfg. Co. (Cotton  
 Elastic Boot and Shoe) ...AAA  
**CONN.—Waterbury**  
 American Mills Co. (Elastic;  
 Non-Elastic Boot & Shoe) ...A  
**MD.—Baltimore**  
 United States Cotton Duck  
 Corp., Cont. Trust Bldg.  
 (Black Band; &c.) ...X  
**MASS.—Boston**  
 Boston Excelsior Co. (Furni-  
 ture) ...A  
 Franklin Rubber Co. (Elastic)  
 ...B  
 Hub Gore Makers Boot;  
 Shoe; Garter; Elastic) ...A  
 Ludlow Mfg. Associates  
 (Upholsters' Jute) ...AAA  
 Ziegler & Sons, A. (Elastic)  
 ...A  
**MASS.—Chelsea**  
 Boston Gore & Webb Mfg.  
 Co. (Boot; Shoe; Suspender)  
 ...D  
 Chadbourne & Moore (Shoe;  
 Gaiter; Elastic) ...A  
 Martin & Bro. Mfg. Co.  
 (Elastic; Non-Elastic  
 Boot; Shoe; Rein; Truss;  
 Silk) ...A  
**MASS.—E. Braintree**  
 Hub Gore Makers (Corsets;  
 Bandage; Elastic) ...A  
**MASS.—Easthampton**  
 Colton, Geo. S. (Elastic Garter;  
 Surgical) ...A  
 Easthampton Elastic Webb  
 Co. Elastic Garter) ...E  
 Easthampton Rubber Thread  
 Co. (Elastic) ...AA  
 Glendale Elastic Fabrics Co.  
 (Elastic) ...A  
 Nashawannuck Mfg. Co.  
 (Elastic) ...AA  
**MASS.—Hudson**  
 Taylor & Sons, Thos. (Elastic)  
 ...F  
**MASS.—Littleton**  
 Copant, Houghton & Co.  
 (Elastic) ...B  
**MASS.—Lowell**  
 Harriman Mfg. Co., 175  
 Hale (Elastic Suspender)  
 ...B  
 Perkins & Johnson (Elastic;  
 Non-Elastic) ...E  
**MASS.—Milford**  
 Lapworth & Sons, Wm.  
 (Narrow Elastic) ...B  
**MASS.—No. Abington**  
 Woodward, A. C. (Boot;  
 Shoe) ...D  
**MASS.—Shirley**  
 Edgarton Mfg. Co., C. A.  
 (Suspender) ...B  
**MASS.—Springfield**  
 Hutchins Narrow Fabric Co.  
 (Elastic; Cotton; Non-  
 Elastic) ...C  
 Springfield Webbing Co.  
 (Non-Elastic Boot and  
 Shoe) ...B  
**MASS.—Worcester**  
 Thayer Mfg. Co., L. D. ...C  
**N. Y.—Buffalo**  
 Buffalo Weaving & Belting  
 Co. (Cotton; Belt; Elastic;  
 Belting Cloth; Razor  
 Strap) ...A  
**N. Y.—Lockport**  
 Empire Mfg. Co. ...B  
**New York City**  
 Canfield Rubber Co. (Elastic)  
 ...X  
 Hoffman-Corr Mfg. Co., 107  
 Duane (Cotton) ...AA  
 Marks, A. A. (Deformity;  
 Appliance; Elastic; Non-  
 Elastic) ...AA

**WEBBING (Con.)**  
**OHIO—Mansfield**  
 Mansfield Elastic Webb Co.  
 (Suspender) .....B  
**PA.—No. Wales**  
 Russell Mfg. Co. (Elastic  
 Non-Elastic) .....AAA  
**PA.—Philadelphia**  
 Adamson & Co., Joseph  
 (Elastic; Non-Elastic) ...A  
 Bilger Nicholas (Cotton;  
 Worsted; Linen; Jute;  
 Non-Elastic) .....C  
 Loeb, Lipper & Co. (Non-  
 Elastic) .....A  
 Sidebotham, Jno. ....A  
 Sullivan & Sons Mfg. Co.,  
 J. (Non-Elastic) .....AA  
**R. I.—Hamilton**  
 Hamilton Web Co. (Elastic;  
 Non-Elastic; Boot; Shoe;  
 Worsted) .....A  
**R. I.—Nooseneck Hill**  
 Hamilton Webb Co. (Boot;  
 Shoe; &c.) .....A  
**R. I.—Pawtucket**  
 Hope Webbing Co. ....AA  
 Kenyon Mfg. Co., John J.  
 (Boot; Shoe) .....B  
 Smith Webbing Co. (Narrow  
 Elastic; Non-Elastic) ...C  
**R. I.—Providence**  
 Fletcher Mfg. Co. Cotton)  
 ...AA  
 Hope Mfg. Co. (Elastic;  
 Non-Elastic; Cotton Belt;  
 Boot; Shoe) .....AAA  
**R. I.—Richmond**  
 Columbia Narrow Fabric Co.  
 (Silk; Cotton Elastic;  
 Non-Elastic) .....C

## WEBS

**CONN.—Ansonia**  
 Ansonia Co., O. & C. (Loom)  
 ...AA  
**CONN.—Bridgeport**  
 Connecticut Web Co. (Loom)  
 ...A  
**IND.—Indianapolis**  
 Atkins & Co., E. C. (Butcher;  
 Billet Saw; Felly  
 Twining) .....AAAA  
 Barry Saw Co. (Chair; Felly;  
 Turning Saw) .....C  
**MASS.—Fitchburg**  
 Simonds Mfg. Co. (Turning  
 Felloe) .....AAA  
**N. J.—Newark**  
 National Saw Co. (Butcher;  
 Billet; Saw Chair; Felly;  
 Futtock Twining Saw) ...B  
**N. Y.—New York City**  
 Jennings Co., C. E., 42 Murray  
 (Turning Felloe) ...B  
 Millers Falls Co., 28 Warren  
 (Felloe; Turning) ...AA  
**PA.—Philadelphia**  
 Diaston & Sons, Henry (Futtock;  
 Turning) ...AAAA

## WEDGES

**CAL.—San Francisco**  
 Doble Co., Abner (Steel;  
 Coal; Woodchoppers';  
 Stone) .....A  
**CONN.—Collinsville**  
 Collins Co. (Steel; Coal;  
 Woodchoppers) .....AAAA  
**CONN.—Mt. Carmel**  
 Woodruff & Sons Co., Walter  
 W. (Axe; Steel) ...A  
**CONN.—New Haven**  
 Dann Bros. & Co. (Wooden)  
 ...B  
**CONN.—Noank**  
 Palmer & Son Ship Bldg &  
 Marine Ry. Co., Robert  
 (Treenail) .....X  
**ILL.—Chicago**  
 Pratt Mfg. Co., 91 Lake  
 (Axe) .....X  
**IND.—Evansville**  
 Evansville Tool Works  
 (Coal; Woodchoppers; Felling  
 Stone; &c.; Steel) ...A

**WEDGES (Con.)**

**MASS.—Boston**  
Harvey, H. H., 606 Atlantic  
Av. (Woodchoppers';  
Stone; Steel for Quarry  
Work; Woodman; Coal) D

**Hawkrider Bros.** .....AA

**MICH.—Detroit**  
Anderson & Sons, W. C.  
(Steel) .....C

**N. Y.—Brooklyn**  
United States Bung Mfg.  
Co., 50 S. 2d (Treenall) A

**N. Y.—New York City**  
Estes & Sons, E. B., 45  
John (Wooden) .....AA

**OHIO—Carnal Fulton**  
Fulton Tool Wrks. (Steel) B

**OHIO—Findlay**  
Findlay Axe & Tool Co.  
(Steel; Iron) .....A

**PA.—Corry**  
McInnes Steel Co. (Steel) C

**PA.—Philadelphia**  
Plumb, Fayette R. (Inc.)  
Frankford (Steel; Coal;  
Woodchoppers') .....AA

**PA.—Pittsburg**  
Hubbard & Co., Murtland  
Bldg. (Steel) .....AA

**Iron City Tool Works, 32d**  
& Smallman (Steel; Coal;  
Woodchoppers'; Stone) ..A

**Klein-Logan Co., So. 13th &**  
**Breed (Steel)** .....A

**Lanz & Sons, M. (Steel)** AA

**Oliver Iron & Steel Co. Oil**  
**Finished Steel)** ....AAAA

**Pittsburg Tool & Drop Forge**  
**Co., Arrott Bldg. (Miners'**  
**Steel)** .....D

**PA.—Ridgeway**  
Standard Axe & Tool Works  
(Sidelink Saw Steel) ..D

**VT.—Barre**  
Trow & Holden ..... B

**W. VA.—Wheeling**  
Warwood Tool Co. (Steel) B

**WEEDERS**

See also Agr. Imps

**CONN.—Southport**  
Jelliff & Co., C. O. (Garden) D

**ILL.—Freeport**  
Arcade Mfg. Co. (Garden) A

**ILL.—Ottawa**  
Porter Co., J. E. (Garden) A

**IND.—Cambridge City**  
National Drill Co. ....A

**IOWA—Fort Madison**  
Iowa Farming Tool Co. (On-  
ion; Garden) .....A

**MICH.—Greenville**  
Greenville Implement Co. .A

**MICH.—Jackson**  
Aspinwall Mfg. Co. ....B

**Withington & Cooley Mfg.**  
**Co. (Garden)** .....AA

**MICH.—Lansing**  
Bement's Sons, E. (Steel  
Frame; Spring Teeth; Ad-  
justable Handle; Shaft) X

**N. J.—Grenloch**  
Bateman Mfg. Co. (Garden) A

**N. Y.—Batavia**  
Wiard Plow Co. (Adjust-  
able) .....AA

**N. Y.—Cambridge**  
Lovejoy & Son, H. H. ..D

**N. Y.—Frankfort**  
Continental Tool Co. (Hand;  
Garden) .....A

**N. Y.—Munnsville**  
Munnsville Plow Co. ....B

**N. Y.—New York City**  
Sargent & Co., 151 Leonard  
(Garden) .....AAAA

**Smith & Hemenway Co.,**  
**296 B'way (Garden)** ...D

**N. Y.—Utica**  
Eureka Mower Co. ....A

**Standard Harrow Co.** ....A

**WEEDERS (Con.)**

**OHIO—Berea**

Dunham & Son, J. W. ....B

**OHIO—Canton**

Gibbs Mfg. Co. (Potato) ..A

American Fork & Hoe Co.  
(Garden) .....AAAA

**OHIO—Columbus**

Brown, Hinman & Hunting-  
ton Co. (Hand; Garden) A

**OHIO—Salem**

Clark Co., W. J. (Garden) A

**OHIO—Springfield**

American Drill Co. ....D

**OHIO—Toledo**

Toledo Plow Co. ....X

**PA.—Philadelphia**

Allen & Co., S. L., 1107 Mar-  
ket (Garden) .....AA

**PA.—York**

Hallock & Sons, D. Y. (Anti-  
Clog) .....B

**Keystone Farm Machine**

Co. (Straight Bar or Ad-  
justable; Walking or Sul-  
ky; Adjustable Garden) B

**VT.—Wallingford**

Wallingford Mfg. Co. (Gar-  
den) .....X

**WIS.—Janesville**

Janesville Machine Co. .AA

**WIS.—Madison**

Fuller & Johnston Mfg. Co. AAA

**WEIGHERS**

See also Agr. Imps

**CONN.—Hartford**

Pratt & Whitney Co. (Auto-  
matic) .....AAAA

**IND.—Columbus**

Reeves & Co. (Grain) AAAA

**IND.—Richmond**

Robinson & Co. (Grain) ..AA

**MASS.—North Wilbraham**

Cutler Co. (Automatic) ..A

**MICH.—Battle Creek**

Advance Thresher Co. (Au-  
tomatic) .....AAAA

**N. Y.—Schenectady**

Westinghouse Co. (Grain) AA

**OHIO—Marion**

Huber Mfg. Co. (Automatic) AAA

**PA.—Waynesboro**

Geiser Mfg. Co. (Grain) ..AAAA

**WIS.—Fort Atkinson**

Cornish, Curtis & Greene  
Mfg. Co. (Milk) .....A

**WIS.—Racine**

Case Threshing Machine Co.  
(Automatic) .....AAAA

**WEIGHTS**

**CAL.—San Francisco**

Selby Smelting & Lead Co.,  
416 Montgomery (Lead;  
Sash) .....AAA

**CONN.—Meriden**

Bradley & Hubbard Mfg.  
Co. (Paper) .....AAAA

**Meriden Britannia Co. (Pa-  
per)** .....AAAA

**ILL.—Chicago**

Blatchford & Co., E. W., 70  
N. Clinton (Lead Sash) AAAA

**Braumoeller & Sons, Henry**  
(Sash) .....B

**Chicago Scale Co., 292 Jack-  
son Boul. (Test)** .....A

**Fairbanks, Morse & Co.** AAAA

**Globe Iron Works (Sash)** B

**Raymond Lead Co., 51 W.**  
**Lake (Sash)** .....AA

**ILL.—Chicago Heights**

King & Andrews Co. (Cast  
Iron Counter; Iron Sash) B

**IND.—Evansville**

Mesker & Co., Geo. L. (Cast  
Iron Sash) .....AA

**IND.—Fort Wayne**

Central Foundry Co. (Door;

**WEIGHTS (Con.)**  
 Window) .....F  
**IND.—Indianapolis**  
 Over Ewald, 426 So. Penn.  
 (Round; Square Iron;  
 Lead Sash) .....C  
**IND.—South Bend**  
 Sandage Steel Skein Co.  
 (Hitching) .....X  
**KY.—Owensboro**  
 Guenther & Sons, W. A.  
 (Sash) .....A  
**MD.—Baltimore**  
 Bates Sons, Jas. (Sash) ..B  
 Levering Bros. (Counter  
 Balance; Elevator; Sash)  
 C  
 Robertson Mfg. Co., Jas.  
 (Lead Sash) .....A  
**MASS.—Boston**  
 Austin & Eddy, 117 Broad  
 (Sash) .....C  
 Burditt & Williams Co., 18  
 Dock Square (Sash) ...B  
 Chadwick Boston Lead Co.  
 (Lead Sash) .....AAA  
**MASS.—Chelsea**  
 Low Tile Co. (Paper) ....F  
**MASS.—Salem**  
 Salem Elevator Works  
 (Counter Balance; Elevator)  
 B  
**MASS.—Worcester**  
 Wheeler Foundry Co. (Sash)  
 D  
**MICH.—Detroit**  
 Detroit Lead Pipe & Sheet  
 Lead Works (Sash) ....A  
**MO.—St. Louis**  
 Kupferle, Jno. C. (Iron;  
 Lead Sash; Hitching)  
 AAA  
 Pleuger & Henger Mfg. Co.  
 (Hitching) .....A  
 St. Louis Sash & Door Works  
 Dock & Maine (Sash) ...A  
 Western Foundry & Sash  
 Weight Co. (Hitching  
 Cast Iron Sash) .....D  
**NEBR.—Omaha**  
 Paxton & Verling Iron  
 Works, 17th & U. P. Ry.  
 (Iron Sash) .....AA  
**N. H.—Lancaster**  
 Thompson Mfg. Co. (Sash)  
 B  
**N. H.—Manchester**  
 Campbell, John (Hitching)  
 H  
**N. J.—Jersey City**  
 Williams & Son, E. A., 105  
 Plymouth (Lead Sash;  
 Iron Sash) .....AA  
**N. Y.—Brooklyn**  
 Kings County Iron Foundry,  
 N. 13th & Berry (Elevator;  
 Lead; &c.; Sash) .....D  
**N. Y.—Buffalo**  
 Buffalo Scale Co. (Elevator  
 Scale) .....AA  
**N. Y.—Horseheads**  
 Weller Hdw. & Foundry Co.  
 (Hitching) .....D  
**N. Y.—Manlius**  
 Cheney & Son, S. (Hitching;  
 Cast Sash) .....A  
**N. Y.—New Rochelle**  
 Becker, Christian (Scale)  
 D  
**N. Y.—New York City**  
 Benedict Julius (Est. of)  
 548 W. 55th (Iron Sash)  
 B  
 Colwell Lead Co. (Lead  
 Sash) .....AA  
 Fairbanks Co. (Scale; Test)  
 AAAA  
 Judd & Co., H. L. Paper  
 AA  
 Kohlbusch, Herman (Scale)  
 B  
**N. Y.—New York City**  
 Leissberger & Son, Marks,  
 397 W. 12th (Lead Sash)  
 B  
 National Lead Co., 100 Wil-  
 liam (Lead Sash) ..AAAA  
 Ross & Bro., W. A. (Counter  
 Balance; Elevator  
 Sash) .....B  
 Sargent & Co., 151 Leonard  
 Paper) .....AAAA  
 United States Foundry &  
 Scales Co. (Iron; Lead

**WEIGHTS (Con.)**  
 Sash) .....F  
**N. Y.—Rochester**  
 Rochester Lead Works, 382  
 Exchange (Lead Sash) ..B  
**N. Y.—Watervliet**  
 Coovert Mfg. Co. (Hitching)  
 A  
**OHIO—Akron**  
 Enterprise Mfg. Co. (Paper;  
 Hitching) .....A  
**OHIO—Ashtabula**  
 Barber Mfg. Co. (Cast Iron  
 Sash) .....C  
**OHIO—Canton**  
 Gibbs Mfg. Co. (Horses'  
 Toe) .....A  
**OHIO—Cincinnati**  
 Knecht Co., Victor (Hitch-  
 ing) .....B  
 Tatum Co., Sam'l C. (Paper)  
 B  
**OHIO—Cleveland**  
 Gibson & Price Co., 375 St.  
 Clair (Lead Sash) ....A  
**OHIO—Columbus**  
 Simpson Iron Co., West End,  
 Buttles Av. (Cast Iron  
 Sash) .....F  
**OHIO—Coshocton**  
 Keagy & Lear Machine Co.  
 (Sash) .....C  
**PA.—Elizabethtown**  
 Buchs Sons Co., A. (Hitch-  
 ing) .....A  
**PA.—Harrisburg**  
 Hickok Mfg. Co., W. O.  
 (Cast Iron Sash) ....AA  
**PA.—Philadelphia**  
 Brown & Co., E. E., Mc  
 Keon & Meadow (Iron  
 Sash) .....D  
 Koch & Fox, 22d & Glen-  
 wood Av. (Elevator  
 Hitching Blocks; Lead  
 etc., Sash) .....D  
 Lewis & Bros., Co., Jno.  
 T., 231 So. Front (Lead  
 Sash) .....AAA  
 Philadelphia Novelty Mfg.  
 Co. (Paper) .....D  
**PA.—Pittsburg**  
 Standard Scale & Supply  
 Co. (Ltd.) (Scale; Test)  
 X  
**PA.—Wrightsville**  
 Wrightsville Hardware Co.  
 (Paper) .....B  
**S. C.—Spartanburg**  
 Morgan Wood & Iron Wks.  
 (Sash) .....D  
**TENN.—So. Pittsburg**  
 Blacklock Foundry (Hitch-  
 ing) .....C  
**TEXAS—Fort Worth**  
 Fort Worth Iron & Steel  
 Mfg. Co. (Sash) .....A  
**WIS.—Milwaukee**  
 Kieckhefer Elevator Co., A.  
 (Elevator) .....C  
 Windsor Mfg. Co., 570  
 Clinton (Lead Sash) ...B  
**WIS.—Racine**  
 Racine Malleable &  
 Wrought Iron Co. (Sash)  
 A

## WELDERS & WELDING

**ILL.—Moline**  
 Williams, White & Co.  
 (Tire) .....A  
**MASS.—Lynn**  
 Thomson Electric Welding  
 Co. (Electric) .....AA  
**MICH.—Detroit**  
 Welded Steel Barrel Cor-  
 poration (Electric) AAAA  
**OHIO—Cleveland**  
 Fix's Sons, S. Leonard &  
 Winter (Steam Flue) ..D  
 Standard Welding Co.  
 (Iron; Steel Pressed;  
 Electric) .....AA

## WELTS

**MAINE—Portland**  
 Cox & Son, A. F. (Shoe)  
 A

**WELTS (Con.)****MASS.—Boston**  
Union Welting Co. (Shoe) F**MASS.—Lynn**  
Houghton Heel & Leather Co. (Shoe) X**N. Y.—Rochester**  
Williams, Hoyt & Co. (Shoe) A**WHALEBONE****New York City**  
Kaempfer, Max., 392 B'way A**WHEEL-BARROWS**

See Barrows

**WHEELS**

See Hardware; Carriage &amp; Woodwork; Carriage; also Gears; Turbines.

Kilby Locomotive &amp; Machine Works (Logging Car; Mine Car) A

**ALA.—Birmingham**  
Decatur Car Wheel & Mfg. Co. (Car) AAA**CAL.—San Francisco**  
Dooble Co., Abner, 200 Fremont (Tangential Water) A

Hendy Machine Works, Joshua (Turbine Water) AA

Risdon Iron & Locomotive Works (Car; Chilled Cast Car Propeller) AAAA  
Steiger & Kerr Stove & Foundry Co. (Chilled Cast Car) B**CAL.—Stockton**  
Holt Mfg. Co. (Carriage; Sarven; Wagon Wooden Hub) AA**CAL.—Sutter Creek**  
Knight & Co., (100 to 2500 h. p. Water) O**COLO.—Denver**  
Davis Iron Works Co., F. M., 8th & Lorimer (Car Self-Oiling) AA

Denver Engineering Works Co., Blake &amp; 30th (Self-Oiling) A

Mine &amp; Smelter Supply Co. (Self-Oiling) AAAA

**CONN.—Bridgeport**  
Bridgeport Safety Emery Wheel Co. (Buffing; Emery Corundum; Polishing) F

Grant Mfg. &amp; Machine Co. (Counter &amp; Register) E

Rowell & Co., W. G. (Bronze Trolley) D  
Springfield Mfg. Co. (Buffing; Emery; Polishing) B**CONN.—Collinsville**  
Hartigan, W. R. (Wooden Caster; Roller Skate) H**CONN.—Deep River**  
Williams & Marvin Mfg. Co. (Caster) D**CONN.—Hartford**  
Billings & Spencer Co. (Sprocket Tracing) AA**CONN.—Killingly**  
Williamsville Mfg. Co. (Polishing) A**CONN.—Lime Rock**  
Barnum-Richardson Co. (Car; Hand & Push Car; Mine Car) AAA**CONN.—New Haven**  
Barnes Tool Co. (Marine; Steering) B**CONN.—Norwalk**  
Norwalk Brass Co. (Propeller) D**CONN.—Southington**  
Peck, Stow & Wilcox Co. (Well) AAAA**CONN.—South Windham**  
Radical Thread Buff Co. (Buffing & Polishing) X**CONN.—Torrington****WHEELS (Con.)**

Union Hardware Co. (Caster) AA

**CONN.—Waterbury**  
Holmes, Booth & Haydens Co. (Trolley) AAAA**CONN.—Windsor Locks**  
Clark Co., Geo. P. (Rubber Tired; Rubber Covered Truck; Pneumatic Tired; Carriage Iron Truck; Truck & Stand) C**DEL.—Elsmere**  
Diamond State Fibre Co. (Fly; Gear, Hard Fibre) B**DEL.—Wilmington**  
American Vulcanized Fibre Co. (Gear, Hard Fibre) AAAA

Delaware Hard Fibre Co. (Gear, Hard Fibre) A

Harlan &amp; Hollingsworth Co. (Chilled Cast Car) X

Kartavert Mfg. Co., Md. Av. &amp; Beach (Gear Hard Fibre) X

Lobdell Car Wheel Co. (Car; Chilled Bridge; Hand &amp; Push Car; Logging Car; Mine Car; Self-Oiling Street Car; Truck &amp; Stand Chilled Cast Car) AAAA

Pusey &amp; Jones Co. (Propeller &amp; Gearing) AAA

**GA.—Atlanta**  
Atlanta Car Wheel & Mfg. Co. (Chilled Car; Mine Car; Chilled Street Car) A

DeLoath Mill Mfg. Co. (Turbine Water) AA

**ILL.—Aurora**  
American Well Works (Bull) AA

Wilcox Mfg. Co. (Ball Bearing) B

**ILL.—Chicago**  
Allis-Chalmers Co., Home Ins. Bldg. (Car; Fly; Mine Car; Sectional Turbine Water) AAAA

American Engineering Specialty Co. (Mine Car) B

American Steel &amp; Wire Co. of N. J., Rookery Bldg. (Trolley) AAAA

Archer Iron Works, 34 Pl. &amp; Western Av. (Metal, all kinds; Mine Car) D

Austin Mfg. Co., F. C., Manhattan Building, (Bull; Mine Car) C

Besly &amp; Co., Charles H., 15 Clinton (Polishing) AA

Borend &amp; Selleck Co., 48 Lake (Sprocket) B

Caldwell &amp; Son Co., H. W., 17th &amp; Western Av. (Sprocket) AA

Cassady-Fairbank Mfg. Co. (Tracing) C

Chicago Wheel &amp; Mfg. Co., 39 W. Randolph (Corundum Carborundum; Dental; Emery; Roll Grinding Emery Razor; Polishing &amp; Buffing; Sewing Machine Grinding) C

Covel Mfg. Co. (Emery) C

Ewart Mfg. Co. (Sprocket) A

Fairbanks, Morse &amp; Co. (Chilled Cast Car) AAAA

Gardner Sash Balance Co., 164 Dearborn (Ball Bearing for all Purposes) C

Griffin Wheel Co., 138 Jackson Boul. (Car; Mine Car; Street Car; Chilled Cast Car) AAAA

Holsting &amp; Conveying Machinery Co., 44 N. Elizabeth (Sprocket) E

Link Belt Machinery Co., 39 &amp; Stewart Av. (Fly; Sprocket, for Ewart Link Belting) AAA

Marine Iron Works (Propeller) B

Porter &amp; Berg, 309 Dear-

**WHEELS (Con.)**

born (Trolley & Supplies) . . . D  
 Rosback, F. P. (Tracing) . . . E  
 Skillin & Richards Mfg. Co.,  
 147 Fulton (Sprocket) . . . C  
 Sullivan Machinery Co., 135  
 Adams (Driving) . . . AAAAA  
 Webster Mfg. Co., 1075 W.  
 15th (Sprocket) . . . AA  
 Willard & Co., Charles P.  
 (Propeller) . . . D

ILL.—Freeport  
 Arcade Mfg. Co.  
 (Tracing) . . . A

ILL.—Galesburg  
 Frost Mfg. Co. (Sprocket)  
 A

ILL.—Harvey  
 Buda Foundry & Mfg. Co.  
 (Steel) . . . AA

ILL.—Havana  
 Havana Metal Wheel Co.  
 (Metal) . . . A

ILL.—Joliet  
 Bates Machine Co. (Fly)  
 AA

ILL.—Litchfield  
 Litchfield Foundry & Ma-  
 chine Co. (Mine Car) . . . A

ILL.—Marseilles  
 Marseilles Mf- Co.  
 (Sprocket) . . . A

ILL.—Mt. Vernon  
 Mt. Vernon Car Mfg. Co.  
 (Car) . . . AAA

ILL.—Pern  
 Pern Plow & Wheel Co.  
 (Metal) . . . AA

ILL.—Pullman  
 Union Foundry Works  
 (Chilled Cast Car) . . . A

ILL.—Quincy  
 Bush, Clement (Metal) . . . E  
 Electric Wheel Co. (Metal;  
 Steel) . . . A

*Steel Wheels to fit any  
 wagon or cart; made any  
 size, with any width of  
 tires. We also make  
 Handy Wagons with low  
 wheels and wire tires;  
 wooden wagons with steel  
 wheels; or steel wagons  
 with steel wheels; log  
 wagons, and heavy truck  
 wagons of all kinds for  
 horses or traction engine  
 power; steel axles of any  
 size or shape.*

Empire Mfg. Co. (Metal) . . . D  
 Little Metal Wheel Co., J.  
 R. (Metal) . . . O

Quincy Corn Planter Co.  
 (Metal) . . . D

ILL.—St. Charles  
 Moline Malleable Iron Co.  
 (Sprocket) . . . A

IND.—Fort Wayne  
 Bass Foundry & Machine  
 Co. (Chilled Cast Car) . . . X

Olds Wagon Works  
 (Wagon) . . . X  
 Rastetter & Son, Louis  
 (Wire) . . . B

IND.—Indianapolis  
 Atkins & Co., E. C. (Edger)  
 AAAAA

Indianapolis Drop Forging  
 Co. (Sprocket) . . . X  
 Rockwood Mfg. Co. (Paper;  
 Buffing & Polishing) . . . A

IND.—Laporte  
 Niles & Scott Co. (Metal;  
 Steel Truck; Wagon; Ag-  
 ricultural Implement;  
 Barrow; Iron & Wooden;  
 Iron Hub) . . . AA

IND.—Michigan City  
 Haskell & Barker Car Co.  
 (Chilled Cast Car) . . . AAAAA

IND.—Mishawaka  
 Dodge Mfg. Co. (Fly;  
 Sprocket) . . . AAAA

Studebaker Bros. Mfg. Co.  
 (Logging Car) . . . AAAAA

IND.—Terre Haute  
 Eagle Snow Works Co.  
 (Mine Car) . . . O

**WHEELS (Con.)**

IOWA—Burlington  
 Murray Iron Works Co.  
 (Iron) . . . A

IOWA—Davenport  
 Bettendorf Metal Wheel Co.  
 (Agricultural Implement  
 Metal; Wagon) . . . AAAAA

IOWA—Dubuque  
 Dubuque Turbine & Roller  
 Mill Co. (Turbine Water)  
 B

KANS.—Fort Scott  
 Fort Scott Foundry & Ma-  
 chine Co. (Chas. Eller,  
 Prop.) (Bull) . . . H

KANS.—Leavenworth  
 Great Western Mfg. Co.  
 (Sprocket; Gear) . . . AA

KANS.—Manhattan  
 Blue Valley Mfg. Co. (Iron;  
 Truck) . . . F

KY.—Louisville  
 Louisville Car Wheel &  
 Railway Supply Co., 308  
 5th (Chilled Cast Car) . . . A

MAINE—Portland  
 Laughlin Co., Thos. (Ma-  
 rine; Steering) . . . A

Portland Co. (Chilled Iron;  
 Driving; Gear) . . . AA

MD.—Baltimore  
 Baltimore Car Wheel Co.,  
 Patterson Av. & Payson  
 (Car; Driving; Street Car  
 Chilled Cast Car; Steel  
 Tired Car; Interchange-  
 able Street Car; Steel  
 Truck) . . . B

Maryland Car Wheel Works,  
 44 South (Car) . . . A

Poole Engineer & Machine  
 Co. (Fly; Sprocket; Wa-  
 ter; Rope & Wire Rope  
 Turbine Water; Gear) . . . AA

MASS.—Amesbury  
 Bailey & Co., S. B. (Pneu-  
 matic Tired; Carriage) . . . A

MASS.—Boston  
 American Steam Gauge &  
 Valve Mfg. Co. (Reduc-  
 ing) . . . A

Anderson Mfg. Co., Albert  
 & J. M., 287 A. (Trolley)  
 A

Boston Belting Co. (Rubber  
 Covered Truck) . . . AAAAA

Boston Gear Works  
 (Sprocket) . . . B

Burnham & Duggin Railway  
 Appliance Co., 89 State  
 (Never Slip, Snow Plow)  
 X

Codman, F. L. & J. C.  
 (Polishing) . . . A

Cutter, Wood & Stevens Co.  
 (Polishing) . . . B

Dunning Co., Edw. L., 64  
 Federal (Trolley) . . . F

Lockwood Mfg. Co. (Inc.),  
 85 Summer (Propeller) . . . X

Page Newall & Co., 139  
 Milk (Steel Tired Car;  
 Imp't'd) . . . X

Sewing Machine Supplies  
 Co. (Tracing) . . . B

Star Brass Mfg. Co., 103 E.  
 Dedham (Reducing Trol-  
 ley) . . . A

MASS.—Brookton  
 Snell & Atherton (Stitch)  
 O

MASS.—Chester  
 Hamilton Emery & Corun-  
 dum Co. (Emery) . . . O

MASS.—Fall River  
 Kilburn, Lincoln & Co.,  
 (Inc.) (Turbine Water) . . . A

MASS.—Fitchburg  
 Dean Machine Co., Herbert  
 C. (Reducing) . . . E

Goodnow Foundry Co., L.  
 H. (Fly) . . . O

MASS.—Greenfield  
 Wells Bros. Co. (Tire  
 Measuring) . . . A

Wiley & Russell Mfg. Co.  
 (Tire Measuring) . . . AA

MASS.—Holyoke  
 Holyoke Machine Co.  
 (Turbine Water) . . . AA

MASS.—Lawrence  
 Archibald Wheel Co. (Ball



**WHEELS (Con.)**  
 & Roller Bearing Truck  
 & Stands; Iron Hub)...A

**MASS.—Leeds**  
 Northampton Emery Wheel  
 Co. (Buffing; Corundum  
 Emery; Polishing).....A

**MASS.—Orange**  
 Chase Turbine Mfg. Co.  
 (Turbine Water; Gear).....A

Hunt Machine Co., Rodney  
 (Turbine Water).....A

**MASS.—Pittsfield**  
 Jones & Sons Co., E. D.  
 (Turbine Water).....B

**MASS.—Springfield**  
 Bullock Mfg. Co. (Polish-  
 ing).....A

Hampden Corundum Wheel  
 Co. (Corundum Emery).....X

Wason Mfg. Co. (Car; Driv-  
 ing; Chilled Cast Car;  
 Steel Tired Car).....AA

**MASS.—Waltham**  
 Waltham Emery Wheel Co.  
 (Corundum; Emery)....B

**MASS.—Westfield**  
 Vitrified Wheel Co. (Corun-  
 dum; Emery; Polishing  
 Roll Grinding).....C

**MASS.—Worcester**  
 National Mfg. Co. (Clay-  
 workers').....A

Norton Emery Wheel Co.  
 (Buffing; Dental; Emery;  
 Corundum; Polishing)AA

Reed & Curtis Machine  
 Screw Co. (Screw).....D

**MICH.—Bay City**  
 Bay City Iron Co.  
 (Propeller).....D

Garland Co., M. (Sprocket)  
 C

MacKinnon Mfg. Co. (Spec-  
 ialty. Small Yacht Pro-  
 peller).....B

**MICH.—Detroit**  
 Buhl Malleable Co.  
 (Sprocket).....A

Detroit Emery Wheel Co.  
 (Emery; Corundum)....B

Great Lakes Engineering  
 Works (Fly; Propeller)A

Hodges Bros. (Propeller).....AA

Russel Wheel & Foundry  
 Co. (Car).....AA

Star Corundum Wheel Co.  
 (Buffing & Polishing)....E

Strellinger Co., Chas. A.  
 (Corundum).....A

**MICH.—Dowagiac**  
 Lee, Robt. N. (Wire)....H

**MICH.—Grand Rapids**  
 Butterworth & Lowe (Log-  
 ging Car; Chilled Cast  
 Car).....A

Wolverine Motor Works  
 (Propeller).....B

**MICH.—Hancock**  
 Portage Lake Foundry &  
 Machinery Co. (Chilled  
 Car).....D

**MICH.—Kalamazoo**  
 Newton Steel Wheel Co.  
 (Steel).....F

**MICH.—Lansing**  
 Lansing Wheelbarrow Co.  
 (Car; Hand & Push Car;  
 Logging Car; Mine Car  
 Metal; Rubber Tired;  
 Iron; Self-Oiling; Rubber  
 Covered Truck; Pneuma-  
 tic Tired; Carriage; Met-  
 al Wagon).....AAA

**MICH.—Manistee**  
 Manistee Iron Works Co.  
 (Car).....C

Overpack, S. C. (Logging  
 Car 9 to 10 feet).....D

**MICH.—Montague**  
 Montague Iron Works Co.  
 (Propeller).....C

**MICH.—Port Huron**  
 Port Huron Engine &  
 Thresher Co. (Sprocket)  
 AAA

**MICH.—Saginaw**  
 Bartlett & Co., A. F. (Mine  
 Car).....A

**WHEELS (Con.)**  
 Wickes Bros. (Sprocket)  
 AAA

**MICH.—St. Joseph**  
 Truscott Boat Mfg. Co.  
 (Propeller for Pleasure  
 Crafts).....A

**MICH.—Three Rivers**  
 Roberts Car Wheel Co.  
 (Pressed Steel Hand;  
 Push Car).....B

Sheffield Car Co. (Wrought  
 Steel; Cast Car; Hand;  
 Push Car; Mine Car; Log-  
 ging Car; Steel Truck).B

**MINN.—Minneapolis**  
 Minneapolis Steel & Ma-  
 chinery Co. (Sprocket;  
 Warm).....AAA

**MINN.—St. Paul**  
 St. Paul Fdry Co. (Chilled  
 Cast Car; Car).....AA

**MO.—St. Charles**  
 St. Charles Car Co. (Car;  
 Chilled Cast Car; Mine  
 Car; Steel Truck).AAAA

**MO.—St. Louis**  
 American Car & Fdry Co.,  
 706 Chestnut (Mine Car;  
 Street Car).....AAAA

Central Union Brass Co.,  
 811 N. 2d (Trolley)....E

Green's Car Wheel Mfg.  
 Co., 3018 N. B'way (Car  
 Steel Tired Car; Chilled  
 Cast; Car).....A

Kupferle, John C. (Well)  
 AA

Leudinghaus - Espenschild  
 Wagon Co. (Wagon)....AA

Medart Patent Pulley Co.,  
 3500 De Kalb Av. (Fly  
 Lumber Truck Logging  
 Car Sprocket).....AAA

Pleuger & Henger Mfg. Co.  
 11th & Hebert (Well)....A

St. Louis Car Wheel Co.,  
 421 Olive (Car; Street  
 Car; Chilled Cast; Car)  
 AAA

Western Electrical Supply  
 Co. (Self-Oiling Trolley)  
 X

**N. H.—Concord**  
 Ford & Kimball (Car;  
 Chilled Cast Car).....B

Hoet Bros. Mfg. Co. (Car-  
 riage Sarven; Wagon;  
 Wooden Hub).....B

**N. H.—Laconia**  
 Laconia Car Co. Wks. (Car  
 Steel Tired Car; Chilled  
 Cast; Car).....AA

**N. H.—Manchester**  
 Baldwin Co., James  
 (Valve).....AAAA

Campbell, John (Dumb  
 Walter).....H

Felton & Son Co., S. A.  
 (Polishing).....C

Forsyth, Austin K.  
 (Emery).....H

**N. H.—Penacook**  
 Concord Axle Co. (Plain;  
 Roller Bearing).....A

**N. H.—Pike**  
 Pike Mfg. Co. (Carborun-  
 dum; Dental; Emery;  
 Emery Razor).....A

**N. J.—Bound Brook**  
 Granwhite Lubricating Co.  
 (Trolley).....B

**N. J.—Harrison**  
 Hyatt Roller Bearing Co.  
 (Truck).....X

**N. J.—High Bridge**  
 Taylor Iron & Steel Co.  
 (Car; Mine Car; Sproc-  
 ket; Steel Tired Car;  
 Metal; Steel; Skip;  
 Chilled Cast; Car; Steel  
 Tired Driving).....AAAA

**N. J.—Jersey City**  
 Brady Brass Co., 204 10th  
 (Trolley).....D

Willias & Son, E. A.  
 (Trolley).....AA

**N. J.—Lambertville**  
 Lambertville Spoke Mfg.  
 Co. (Wagon).....A

**WHEELS (Con.)**

**N. J.—Newark**  
 Gould & Eberhardt (Gear) .....A  
 Hanson & Van Winkle Co.,  
 219 Market (Buffing Pol-  
 ishing) .....AA  
 Jones & Co., Phineas (Car-  
 riage) .....A  
 Osborne & Co., C. S. (Trac-  
 ing) .....B  
 Sommer's Son, John (Cas-  
 ter) .....A  
 Storm Mfg. Co. (Ice; Sleet  
 Cutting Trolley) .....B  
**N. J.—Trenton**  
 Home Rubber Co. (Brew-  
 ers) .....AAAA  
 Thropp Sons Co., Jno. E.  
 (Propeller) .....A  
**N. Y.—Albany**  
 Thatcher & Co., Geo. H.  
 (Car) .....AAA  
**N. Y.—Baldwinsville**  
 Morris Machine Wks. (Pro-  
 peller) .....AA  
**N. Y.—Brooklyn**  
 Columbia Machine Wks.,  
 & Novelty Iron Co., 167  
 Chestnut (Trolley) .....A  
 Pioneer Iron Works,  
 153 William (Steel  
 Truck) .....A  
 Schaffer & Rudenberg Mfg.  
 Co. (Reducing) .....D  
**N. Y.—Buffalo**  
 Bickford & Francis Belt-  
 ing Co., 53 Exchange  
 (Buffing; Polishing) .....A  
 Brown Car Wheel Wks.,  
 Howard & Thomas (Car;  
 Steel Truck; Chilled Cast  
 Car) .....AA  
 Buffalo Forge Co. (Disk;  
 Water) .....AAA  
 Griffin Machine Wks., P.  
 H. (Car) .....X  
 Lunen Bearing Co., 1155  
 Sycamore (Trolley) .....C  
 Magnus Metal Co., 830 El-  
 licott Sq. (Trolley) .....AAAA  
 Mey Chain & Belting En-  
 gineering Wks., 14 Perry  
 (Chain Sprockets) .....F  
 New York Car Wheel Co.,  
 Germán Ins. Bldg. (Car;  
 Driving; Hand; Push Car;  
 Mine Car; Street Car;  
 Truck Chilled Cast Car;  
 Iron Driving; Overhead  
 Crane) .....AA  
 Noye Mfg. Co., John T.  
 (Sprocket; Gear) .....X  
 Reading Car Wheel Co., El-  
 licott Sq. (Car) .....A  
 Squier Mfg. Co., Geo. L.  
 (Turbine Water) .....AAA  
 Trout, H. G. (Propeller) .....B  
**N. Y.—Hillburn**  
 Ramapo Iron Wks. (Car;  
 Driving) .....AAA  
**N. Y.—Horseheads**  
 Weller Hardware & Fdry  
 Co. (Well) .....D  
**N. Y.—Ithaca**  
 Williams Bros. (Bull) .....AA  
**N. Y.—Jamestown**  
 Engineering & Power Co.  
 (Reducing) .....E  
**N. Y.—Mount Morris**  
 Genesee Valley Mfg. Co.  
 (Turbine Water) .....B  
**New York City**  
 Ashcroft Mfg. Co., 85 Lib-  
 erty (Reducing) .....A  
 Best, Levi (Corundum;  
 Emery) .....C  
 Bushnell Co., Jno. S., 126  
 Liberty (Reducing) .....X  
 Estes & Sons, E. B. (Wood-  
 en Caster, Roller Skate;  
 Seam Valve) .....AA  
 Garvin Machine Co. (Gear)  
 .....AA  
 Gesswein Co., F. W., 39  
 John (Buffing; Polish-  
 ing) .....A  
**N. Y.—New York City**  
 Goodyear Rubber Co. (Rub-  
 ber; Covered Truck)  
 .....AAAA  
 Koppel, Arthur, 66 Broad

**WHEELS (Con.)**

(Car) .....A  
 McCabe Hanger Mfg. Co.,  
 425 W. 25th (Ball Bear-  
 ing) .....B  
 Mead Mfg. Co., Jno. A., 11  
 B'way (Sprocket) .....AA  
 Miles-Bement-Pond Co., 111  
 B'way. (Polishing) .....AAA  
 New York Belting & Pack-  
 ing Co. (Emery) .....AAA  
 Peckham Mfg. Co., 26 Cort-  
 landt (Car; Street Car  
 Chilled Cast; Car Inter-  
 changeable; Street Car)  
 .....B  
 Pelton Water Wheel Co.,  
 143 Liberty (Water) .....AA  
 Pierce Well Engineering &  
 Supply Co. (Bull) .....D  
 Prosser & Son, Thos., 15  
 Gold (Steel Tired Car;  
 Steel Truck) .....A  
 Railway Steel Spring Co.,  
 71 Broadway (Steel Tired  
 Car; for Electric Railway;  
 Steel Truck) .....A  
 Reichheim & Co., E. P.  
 (Jewelers' Felt) .....A  
 Robertson & Sons Co., Jas.  
 L., 204 Fulton (Reducing)  
 .....D  
 Sargent & Co., 151 Leonard  
 (Well) .....AAAA  
 Sullivan, Jno. W., 385 South  
 (Propeller) .....B  
 Thompson & Co., Richard,  
 126 Liberty (Reducing)  
 .....F  
 Tingue, Brown & Co., 99  
 Chambers (Buffing; Pol-  
 ishing) .....D  
 Zucker & Levett & Loeb Co.,  
 528 W. 25th (Buffing;  
 Polishing) .....A  
**N. Y.—Niagara Falls**  
 Carborundum Co., (Carbo-  
 rundum; Dental Emery  
 Roll Grinding) .....A  
**N. Y.—Ramapo**  
 Ramapo Foundry & Wheel  
 Works (Chilled Cast Car;  
 Driving; Car) .....X  
**N. Y.—Rome**  
 Adams & Son, S. (Turbine  
 Water) .....G  
**N. Y.—Schenectady**  
 General Electric Co. Trol-  
 ley) .....AAAA  
**N. Y.—Seneca Falls**  
 Rumsey & Co. (Ltd.) (Well)  
 .....A  
**N. Y.—Shortsville**  
 Shortsville Wheel Co. (Hard  
 Rubber Tired; Carriage;  
 Wagon) .....B  
**N. Y.—Syracuse**  
 Central City Brass & Mfg.  
 Co., 120 Burnet Av. (Trol-  
 ley) .....B  
 Franklin Mfg. Co., H. H.  
 (Finished Casting Hand;  
 Dental) .....A  
 Stearns & Co., E. C. (Bull)  
 .....AA  
**N. Y.—Utica**  
 Munson Bros. Co. (Turbine  
 Water) .....A  
 Weston-Mott Co. (Steel  
 Wire; Steel Rims; Wire;  
 Agricultural Implements;  
 Carriage Invalid Chair;  
 Hand Car; Barrow; Pneu-  
 matic Tired Carriage) .....A  
**N. C.—Charlotte**  
 Mecklenburg Iron Works  
 (Turbine Water) .....X  
**N. C.—Greensboro**  
 Sergeant Mfg. Co. (Turbine  
 Water) .....D  
**OHIO—Akron**  
 Whitman & Barnes Mfg. Co.  
 (Sprocket) .....AAAA  
**OHIO—Barnesville**  
 Watt Mining Car Wheel Co.  
 (Car; Mine Car; Self-Oil-  
 ing; Chilled Cast Car) .....A  
**OHIO—Bucyrus**  
 American Clay Working Ma-  
 chine Co. (Clayworkers')  
 .....X  
**OHIO—Canton**  
 Aultman Co. (Sprocket, also

**WHEELS (Con.)**

with Crutch) ..... AAAA  
 Timken Roller Bearing Axle  
 Co. (Ball or Roller Bear-  
 ing) ..... A  
**OHIO—Cincinnati**  
 Blymyer Iron Works Co.  
 (Overshot Water) ..... B  
 Electric Railway Equip-  
 ment Co., 431 E. Front  
 (Trolley) ..... B  
 Greenwald Co., I. & E., 720  
 E. Pearl (Sprocket) ... A  
 Mowry Car Wheel Works  
 Co., 2401 Eastern Av.  
 (Chilled Cast Car) ..... B  
 Royer Wheel Co. (Childrens'  
 Carriage; Sarven; Wagon)  
 X  
**OHIO—Cleveland**  
 Atlas Bolt & Screw Co.  
 (Hand; Push Car; Mine  
 Car; Ball or Roller Bear-  
 ing Tracing; Truck) ... AA  
 Bartlett & Snow Co., C. O.,  
 French & Columbus  
 (Sprocket) ..... A  
 Bowler Foundry Co. (Chill-  
 ed Mine Car; Chilled Cast  
 Car) ..... B  
 Federal Mfg. Co., American  
 Trust Bldg. (Tracing; Au-  
 tomobile Steering; Au-  
 tomobile Sprocket) ... AAAA  
 Fulton Foundry Co. (Chilled  
 Cast Car; Driving; Street  
 Car) ..... C  
 Kirk, Latty Mfg. Co.  
 (Wire) ..... A  
 Osborn Mfg. Co. (Polishing)  
 B  
 Otis Steel Co. (Ltd.) (Steel  
 Tired; Driving) ..... A  
 Standard Car Wheel Co.,  
 Bessemer Av. & Todd  
 (Car. Chilled Street Car)  
 X  
 Van Dorn & Dutton Co.,  
 1796 E. Madison Av.  
 (Trolley) ..... B  
**OHIO—Columbus**  
 Case Mfg. Co. (Sprocket;  
 Traveling Crane) .... A  
 Jeffrey Mfg. Co. (Sprocket)  
 AAAA  
 Kilbourne & Jacobs Mfg.  
 Co. (Car; Steel Truck  
 Vehicle; Iron; Carriage  
 Rubber Covered Truck;  
 Wheel Scraper; Wagon  
 Barrow; Caster) ... AAAA  
 Midgley Mfg. Co. (Tubular  
 Steel for Automobiles,  
 Vehicles, Etc.) ..... B  
**OHIO—Dayton**  
 Barney & Smith Car Co.,  
 (Chilled Cast Car) AAAA  
 Dayton Globe Iron Works  
 Co. (Turbine Water) ... B  
 Dayton Malleable Iron Co.  
 (Fifth) ..... AAA  
 Dayton Mfg. Co. (Trolley)  
 A  
 Meeker Mfg. Co. (Ball Bear-  
 ing Carriage) ..... D  
 Raymond Co., Charles W.  
 (Clay Workers) ..... A  
**OHIO—Defiance**  
 Turnbull Wagon Co. (Ag-  
 ricultural Implement;  
 Wooden) ..... AA  
**OHIO—Geneva**  
 Geneva Metal Wheel Co.  
 (Metal) ..... AA  
**OHIO—Lima**  
 Coss & Stinebaugh (Bull) E  
 Lima Locomotive & Machine  
 Co. (Car; Chilled Cast  
 Car) ..... AAAA  
**OHIO—Mt. Vernon**  
 Cooper Co., C. & G. (Fly)  
 AA  
**OHIO—Nelsonville**  
 Nelsonville Foundry & Ma-  
 chine Co. (Capless Car;  
 Chilled Cast Car) ..... B  
**OHIO—New Lexington**  
 Star Mfg. Co. (Mine Car) B  
**OHIO—New London**  
 Arnold-Creager Co. (Barrow;  
 Clay Workers; Metal  
 Agil Impls. Wagon) .. B

**WHEELS (Con.)**

**OHIO—Niles**  
 Niles Mine & Mill Supply  
 Co. (Mine Car) ..... B  
**OHIO—Piqua**  
 Piqua Handle & Mfg. Co.  
 (Steam Valve) ..... A  
**OHIO—Springfield**  
 Leffel & Co., Jas. (Water;  
 Turbine & Sectional Tur-  
 bine Water; Impulse  
 Water; Mining Water) AA  
 Safety Emery Wheel Co.  
 (Emery) ..... A  
 Trump Mfg. Co. (Turbine  
 Water; Mining & Twin  
 Water; Sectional Turbine  
 Water) ..... A  
 Webster & Pergs Tool Co.  
 (Aluminum Reducing) C  
**OHIO—Swanton**  
 Baker Co., A. D. (Metal) B  
**OHIO—Tiffin**  
 Sterling Emery Wheel Mfg.  
 Co. (Emery; Corundum  
 Polishing) ..... A  
**OHIO—Toledo**  
 Gendron Wheel Co. (Iron;  
 Steel Wire) ..... AA  
 Heartley, Geo. W. (Child-  
 ren's Carriage; Wheelbar-  
 row; Implements, Etc.) D  
 Toledo Metal Wheel Co.  
 (Wire; Metal) ..... AA  
**OREGON—Portland**  
 Portland Iron Works  
 (Sprocket) ..... A  
**PA.—Allegheny**  
 Carlin's Sons, Thos.  
 (Street Car) ..... A  
 Penna. Car Wheel Co., 499  
 Preble (Chilled Cast Car)  
 AA  
 Porter Foundry & Machine  
 Co. (Fly) ..... A  
**PA.—Allentown**  
 Allentown Foundry & Ma-  
 chine Works (Turbine  
 Water) ..... A  
 Mosser & Son, Wm. F.  
 (Turbine Water) ..... A  
**PA.—Bausman**  
 Bausman, D. H. (Steel  
 Water) ..... C  
**PA.—Bloomsburg**  
 Bloomsburg Car Mfg. Co.  
 (Chilled Cast Car) ... A  
**PA.—Braddock**  
 Braddock Machine & Mfg.  
 Co. (Mine Car & Supplies)  
 A  
**PA.—Chambersburg**  
 Wolf Co. (Inc.) (Sprocket)  
 AA  
**PA.—Chester**  
 American Steel Foundries  
 (Mine Car) ..... AAAA  
 Chester Steel Castings Co.  
 (Car; Driving & Chilled  
 Cast Car; Propeller; Steel  
 Tired Car; Gear) ... AA  
 Delaware River Iron Ship  
 Building & Engine Works  
 (Propeller) ..... AAA  
 Seaboard Steel Casting Co.  
 (Propeller) ..... AAA  
**PA.—Coatesville**  
 Ridgway & Son Co., Craig  
 (Turbine Water) ..... A  
**PA.—Connellsville**  
 Connellsville Machine & Car  
 Co. (Mine Car; Chilled  
 Cast Car) ..... A  
**PA.—Corry**  
 Trill, W. L. (Reducing) .. F  
**PA.—Erie**  
 National Foundry Co.  
 (Car) ..... A  
 Reed Mfg. Co. (Cutter) .. A  
**PA.—Fleetwood**  
 Schaeffer-Wanner & Co.  
 (Turbine Water) ..... B  
**PA.—Fullerton**  
 Lehigh Car Wheel & Axle  
 Works (Car; Drawing;  
 Mine Car; Self-Oiling  
 Steel Tired Car; Steel  
 Truck; Street Car) AAAA  
**PA.—Johnstown**  
 Lorain Steel Co. (Trolley)  
 AAAA  
**PA.—Kutztown**  
 Kutztown Foundry & Ma-

**WHEELS (Con.)**

chine Co. (Turbine Water) A

**PA.—Lancaster**Lancaster Peerless Emery  
Wheel Co. (Emery) .... D**PA.—McKee's Rocks**

Penna Malleable Co. (Car) A

**PA.—Mechanicsburg**

Wilcox Mfg. Co., D. M.

(Fifth) ..... A

**PA.—Muncy**

Sprout; Waldron &amp; Co.

(Water) ..... A

**PA.—Nazareth**

Nazareth Foundry &amp; Ma-

chine Co. (Sprocket) .... B

**PA.—North East**

Eureka Tempered Copper

Works (Trolley) ..... A

**PA.—Osceola Mills**

Pie, Justin J. (Est. of)

(Mine Car) ..... B

Stine &amp; Son, S. B. (Mine

Car) ..... B

**PA.—Philadelphia**

Abrasive Material Co.

(Corundum; Emery) .... A

Ajax Metal Co., 46 Rich-

mond (Trolley) .... AAA

Brill Co., J. G., 62nd &amp;

Woodland Av. (Car; Street

Car; Chilled Cast Car)

AAAA

Cramp &amp; Sons Ship &amp; En-

gine Bldg. Co. William

(Propeller) ..... AAAA

Cresson Co., Geo. V., 18th

&amp; Allegheny (Fly; Worm

Sprocket) ..... AA

Etting, Edw. J., Land Title

Bldg. (Car) ..... B

Midvale Steel Co., (Chilled

Cast Car) ..... AAAA

Pressed Steel Mfg. Co.,

Bridge Av. &amp; Willow

(Ball) ..... D

Southwark Foundry &amp; Ma-

chine Co. (Fly) .... AAA

Standard Roller Bearing

Co., 15th &amp; Girard Av.

(Ball &amp; Roller Bearing)

AA

Standard Steel Works, 1502

Market (Steel Tired Car;

Metal; Chilled Cast Car)

AAAA

Wharton &amp; Co., Wm. Jr.

(Inc.) (Car) ..... AAA

White Dental Mfg. Co., S.

S. (Corundum) .... AAAA

Wood &amp; Co., R. D. (Tur-

bine Water) ..... AAAA

**PA.—Pittsburg**

Armstrong Cork Co. (Buff-

ing; Polishing) .... AAAA

Central Car Wheel Co.,

Frick Bldg. (Chilled Iron

Car) ..... B

Dixon Co., H. L. (Power

(Pottery) ..... A

Jones &amp; Laughlin Steel Co.

(Fly; Steel Truck Car)

AAAA

Milholland Co., J. &amp; J. B.

(Sectional Turbine) .... A

Nuttall Co., R. D., Lafayette

&amp; Garrison Place (Trolley)

A

Phillips Mine &amp; Supply Co.

(Mine Car Self-Oiling) AA

Pittsburg Steel Foundry Co.

(Car) ..... AA

Scaife Foundry &amp; Machine

Co., 28th &amp; Smallman

(Fly; Sprocket) ..... B

Simonds Mfg. Co., 25th

&amp; Liberty (Trolley Worm

for Electric Railwar.

Etc.) ..... B

Westinghouse Electric &amp;

Mfg. Co. (Trolley) AAAA

**PA.—Reading**

Penn. Hardware Co. (Well)

AA

Reading Hardware Co.

(Well) ..... AAAA

**PA.—Sayre**

Cavuga Mfg. Co. (Chilled

Cast Car) ..... B

**PA.—Scranton**

Scranton Forging Co. (Fifth)

A

Union Steam Specialty Co.

**WHEELS (Con.)**

(Reducing) ..... A

**PA.—South Bethlehem**

Bethlehem Foundry &amp; Ma-

chine Co. (Sprocket) .. O

**PA.—Stroudsburg**

Tanite Co. (Emery) .... A

**PA.—Towanda**

Frost's Sons, J. O. (Trolley)

B

**PA.—Union City**

Novelty Wood Work Co.

(Caster) ..... B

**PA.—Weissport**

Lehigh Valley Emery Wheel

Co. (Emery; Corundum) B

**PA.—Wilkesbarre**

Vulcan Iron Works (Car;

Fly; Mine Car; Worm;

Bull; Friction; Gear)

AAAA

**PA.—Wrightsville**

Susquehanna Casting Co.

(Well) ..... AA

Wrightsville Hardware Co.

(Well) ..... B

**PA.—York**

Smith Co., S. Morgan

(Turbine Water) .. AAA

**R. I.—Bristol**

Herreshoff Mfg. Co.

(Bronze; Propeller) .... A

**R. I.—Pawtucket**

Thayer's Son Ellis (Buff-

ing; Polishing) ..... X

**R. I.—Providence**

American Emery Wheel

Works (Corundum; Emery

Roll Grinding) ..... B

Builders Iron Foundry AA

((Buffing; Polishing) AA

Diamond Machine Co. (Buff-

ing; Wooden; Emery;

Household Emery; Polish-

ing) ..... B

**R. I.—Westerly**

Stillman Wayland, F.

(Card Grinder) ..... H

**TENN.—Chattanooga**

Chattanooga Car &amp; Foundry

Co. (Street Car) ..... A

Wheland Machine Works

(Turbine Water) ..... A

**TENN.—Memphis**

Chickasaw Iron Works

(Steel Truck; Friction) A

**TEXAS—Fort Worth**

Davis Locomotive Wheel

Co. (Car) ..... B

**TEXAS—Houston**

Dickson Car Wheel Co.

(Car) ..... AA

**TEXAS—Marshall**

Marshall Car Wheel &amp;

Foundry Co. (Car) .... A

**VT.—Barre**

Whitcomb Bros. (Wrought

Iron &amp; Steel Granite Pol-

ishing) ..... X

**VT.—Bennington**

Scott Olin (Turbine Water)

A

**VT.—Brattleboro**

Smith Co., S. A. (Children's

Carriage) ..... AAA

**VT.—Fair Haven**

Dalrymple, Geo. (Turbine

Water) ..... B

**VT.—Montpelier**

Lane Mfg. Co. (Turbine

Water; Mining Water

Gear) ..... A

**VT.—St. Albans**

St. Albans Foundry &amp; Implt.

Co. (Chilled Cast Car) .. D

**VA.—Norfolk**

Whitehurst Co., R. W.

(Steel Truck) ..... B

**VA.—Petersburg**

Petersburg Iron Works Co.

(Looming Car) ..... D

**VA.—Richmond**

Tredegar Co. (Chilled Cast

Car) ..... AAA

**WASH.—Spokane**

Union Iron Works (Inc.)

(Mine Car; Self-Oiling) B

**W. VA.—Fairmont**

Helmick Foundry &amp; Machine

Co. (Self-Oiling) .... D

**WIS.—Milwaukee**

Bavley &amp; Sons Co., Wm.

(Truck) ..... X

**WHEELS (Con.)**  
 Chain Belt Co. (Sprocket) B  
 Falk Co., Ft. 30th (Drawing) ..... AAA  
 Filer & Stowell Co. (Fly; Sprocket) ..... AAA  
 Kleckhefer Elevator Co., A. (Iron Truck) ..... C  
 Melnecke & Son, A. (Spinning) ..... AAA  
 Nordberg Mfg. Co., 476 Virginia (Fly) ..... AAA  
 Sheriff's Mfg. Co., 124 Barclay (Propeller) .... B  
**WIS.—Racine**  
 Winship Mfg. Co. (Tanners' Wash) ..... E

## WHETSTONES

See Stones

## WHIFFLE-TREES

See Woodwork; Carriage

## WHIPS

**CONN.—Meriden**  
 Manning, Bowman & Co., (Culinary) ..... AA  
**CONN.—New Britain**  
 Landers, Frary & Clark (Culinary) ..... AAA  
**CONN.—Torrington**  
 Turner & Seymour Mfg. Co. (Culinary) ..... A  
**CONN.—Unionville**  
 Humphrey, H. W. (Culinary) ..... D  
**ILL.—Chicago**  
 Chicago Rawhide Mfg. Co. (Farm; Rawhide) ..... A  
**MD.—Baltimore**  
 Day Son & Co., O. F. (Carriage) ..... C  
 Millikin & Co., P. B. (Carriage; Coach; Farm; Rawhide; Riding) ..... E  
 Sinclair-Scott Co., (Culinary) ..... E  
**MASS.—Westfield**  
 American Whip Co. (Carriage) ..... AAA  
 Cargill, Cook & Co. (Carriage) ..... B  
 Independent Whip Co. (Carriage) ..... C  
 United States Whip Co. (Carriage; Riding; Wagon Coach; Drivers; Fancy Farm Rattan; Rawhide Whalebone Dog) ..... AAA  
**MASS.—Worcester**  
 National Mfg. Co. (Culinary) ..... A  
 Wire Goods Co. (Culinary) ..... A  
**MO.—St. Louis**  
 Loeblein Collar & Whip Co., B. (Carriage) ..... B  
 Straus Saddlery Co., Jacob (Drivers) ..... A  
 Zelnicker Supply Co., W. A. (Ox) ..... X  
**N. J.—Newark**  
 Peters Harness & Saddlery Co. (Carriage; Riding) .C  
**N. Y.—Buffalo**  
 Buffalo Glove & Whip Mfg. Co. (Carriage) ..... A  
**N. Y.—Genova**  
 Chapman, C. A. (Egg) .. E  
**New York City**  
 Follmer, Clogg & Co. (Riding) ..... AAA  
 Silver & Co. (Inc.) (Culinary) ..... E  
 Smith, Worthington & Co. (Carriage) ..... AA  
 Lalance & Grosjean Mfg. Co. (Culinary) ..... AAAA  
 Stontenborough X (Culinary) ..... D  
**N. Y.—Rochester**  
 Woodbury Whip Co. (Carriage Coach; Rawhide Farm; Riding) ..... A  
**N. Y.—Troy**  
 Parks & Parks (Culinary) D  
**N. Y.—Windsor**  
 Coburn Whip Co. (Carriage:

**WHIPS (Con.)**  
 Coach; Drivers; Farm; Fancy; Rattan; Rawhide; Riding Wagon; Whalebone) ..... AAA  
**OHIO—Cincinnati**  
 Day & Co., J. H. (Culinary) A  
**OHIO—Osborn**  
 Ohio Whip Co. (Carriage) C  
**OHIO—Sandusky**  
 Knight, H. H., 209 Monroe D

## WHISKEY

See Liquors

## WHISKS

See Brooms

## WHISTLES

**CAL.—San Francisco**  
 Garratt & Co., W. T., 142 Fremont (Steam) ..... AA  
**CONN.—Bridgeport**  
 Belknap Mfg. Co. (Steam) O  
 Kinsley Mfg. Co., 20 South Av. (Chime Single Bell Chime; Steam) ..... D  
**CONN.—Waterbury**  
 Waterbury Brass Co. (Toy) AAAA  
**CONN.—Waterville**  
 American Pin Co. (Toy) AA  
**ILL.—Chicago**  
 Crane Co. (Steam; Alarm) AAAA  
 Scott Valve Co., 32 W. Randolph (Steam) ..... D  
**ILL.—Waukegon**  
 Thomas Brass & Iron Co. (Chime; Steam) ..... A  
**MD.—Baltimore**  
 Register Sons Co., J., 49 W. Holliday (Steam) ..... A  
**MASS.—Boston**  
 American Steam Gauge & Valve Mfg. Co. (Chime; Steam) ..... A  
 Ashton Valve Co., 271 Franklin (Steam) ..... A  
 Crosby Steam Gauge & Valve Co., 95 Oliver (Chime; Steam; Locomotive; Gong) ..... AA  
 Star Brass Mfg. Co., 103 E. Dedham (Chime) ..... A  
 Walworth Mfg. Co., 132 Federal (Steam; Alarm) AAAA  
 Woodman Mfg. & Supply Co. R., 63 Oliver (Conductors; Starters) ..... X  
**MASS.—Worcester**  
 Union Water Meter Co. (Steam; Gong Steam) .. B  
**MICH.—Detroit**  
 Detroit Shipbuilding Co. (Steam) ..... AAAA  
**MICH.—Saginaw**  
 Wickes Bros. (Steam) .AAA  
**MO.—St. Louis**  
 Zelnicker Supply Co., W. A. (Steam) ..... X  
**N. J.—Belleville**  
 Eastwood Wire Mfg. Co. (Chime; Steam) ..... A  
**N. J.—Camden**  
 Fullmer & Co., A. J. (Steam) ..... A  
**N. J.—Newark**  
 Celluloid Co. (Toy) ..... B  
**N. Y.—Brooklyn**  
 Hauck & Son, Chas. J. (Toy) ..... B  
 Schaffer & Budenberg Mfg. Co. (Chime; Steam) .. D  
**N. Y.—Buffalo**  
 Sherwood Mfg. Co., 34 Wash'n (Steam) ..... B  
**N. Y.—Elmira**  
 Swift Lubricator Co. (Steam) ..... B  
**N. Y.—Lynbrook**  
 Sherman Bros. (Tin) .... E  
**New York City**  
 Ashcroft Mfg. Co., 85 Liberty (Chime; Steam) A  
 Eaton, Cole & Burnham Co., 253 Bway (Chime; Steam) AAAA

**WHISTLES (Con.)**

Fairbanks Co., 416 Broome  
(Steam) .....AAAA  
Gleason-Peters Air Pump Co.  
Mercer & Houston (Air) D  
McNab & Harlin Mfg. Co.,  
58 John (Steam) ....AAA  
Nelson, Charles, 439 E.  
10th (Steam) .....D  
Ostrander & Co., W. R.  
(Carriage Pneumatic  
Alarm: Speaking Tube) A  
**OHIO—Canton**  
Berger Mfg. Co. (Speaking  
Tube) .....AA  
**OHIO—Cincinnati**  
Central Brass Works, 322  
W. Pearl (Steam) ....D  
Fewless Leen Brass & Iron  
Co., 456 E. 2d (Chime) D  
Lunkenheimer Co., Beek-  
man & Waverly (Chime;  
Steam Alarm) .....AA  
Powell Co., Wm. (Chime;  
Steam) .....A  
Queen City Brass & Iron  
Works (Single Bell Chime  
Steam) .....B  
**OHIO—Cleveland**  
Brightman Machine Co.  
(Steam) .....D  
Chase Machine Co. (Fog) B  
Farnan Brass Works Mrs.  
M. A., 25 Center (Steam)  
A  
**OHIO—Dayton**  
Buckeye Iron & Brass Works  
(Steam) .....AA  
**OHIO—Mansfield**  
Ohio Brass Co. (Steam) AA  
**OHIO—Springfield**  
Springfield Brass Co., 82 So.  
Limestone (Steam) ....E  
**PA.—Chester**  
Vulcan Works (Chime;  
Steam) .....B  
**PA.—Erie**  
Hays Mfg. Co. (Steam) ..A  
Jarecki Mfg. Co. (Steam)  
AAAA  
**PA.—Philadelphia**  
Belfield & Co., H., 435 N.  
Broad (Steam) .....AA  
Horatman Co., Wm. H.  
(Carriage Pneumatic)  
AAAA  
Lonergan Co., J. E., 211  
Race (Chime; Steam) AA  
**PA.—Pittsburg**  
Kelly & Jones Co., 135  
Water (Steam) .....AA  
Mansfield Mfg. Co., 57 1st  
Av. (Steam) .....B  
Pittsburg Brass Mfg. Co.,  
107 Wood (Steam) .....D  
**R. I.—Central Falls**  
Mossherg Wrench Co.  
(Alarm) .....O

**WHITE**

See also Zinc

**New York City**  
Devoe, F. W. & C. T. Reyn-  
olds Co. (Paris) .....AAAA  
Taintor Mfg. Co., H. F.  
(Paris) .....B

**WHITING**

**MAINE—Hallowell**  
Fuller Sons, Geo. ....C  
**FLA.—Pensacola**  
Currie & Co., Chas. E. A  
**MD.—Baltimore**  
Thomas Paint Mfg. Co. X  
**MASS.—Boston**  
Briges & Co., John .....D  
Stickney & Co., J. W., 79  
Milk .....B  
Stickney Tirrell & Co. B  
**N. Y.—Newburg**  
Higginson Mfg. Co. ....A  
**New York City**  
American Whiting & Putty  
Mfg. Co., 200 Water ..B  
Dunham, Thos. C. 68 Murray  
D  
Fox & Co., M. Ewing, 136th  
& Rider Av. ....D

**WHITING (Con.)**

Grote, Geo. W., 605 W. 39th  
D  
Hammill & Gillespie, 240  
Front .....A  
Knappmann & Co., Wm., 29  
Liberty .....C  
Taintor Mfg. Co., H. F.,  
200 Water .....B  
**PA.—Philadelphia**  
Kelley Bros. & Spielman  
Inc. Swanson & Moore. B  
Nevins Samme, 109 So. 2d. D  
Southwark Mfg. Co., Mifflin  
& Swanson .....A

**WICKER WORK**

See Furniture

**WICKETS**

**GA.—Atlanta**  
Atlanta Wire & Iron Wks.  
(Brass) .....F  
**ILL.—Chicago**  
Barber Wire & Iron Works  
(Wire) .....B  
**N. Y.—Brooklyn**  
Forman, R. J., 127 Court  
(Wire) .....E  
**New York City**  
Gilbert & Bennett Mfg. Co.  
(Wire) .....AAA  
**N. Y.—Syracuse**  
Syracuse Wire Wks. (Brass;  
Bronze; Iron) .....D  
**OHIO—Springfield**  
Rogers Iron Works (Desk)  
B

**WICKS**

**CAL.—San Francisco**  
Doyle & Co., H. (Lamp) ..O  
**CONN.—Ansonia**  
Ansonia, O & C. Co. (Lamp,  
etc.) .....AA  
**CONN.—Central Village**  
Collins, G. S. (Lamp; Stove  
Candle, etc.) .....X  
**CONN.—Westport**  
Lees Mfg. Co. (Candle;  
Lamp; Braided; Miners')  
A  
**IND.—Madison**  
Eagle Cotton Mills Co.  
(Cotton) .....AA  
**KY.—Maysville**  
January & Wood Co. (Cot-  
ton; Lamp; etc.) .....A  
**MD.—Baltimore**  
Green & Co., Amon (Cotton)  
AA  
Hooper & Sons, Wm. E.  
(Lamp; Cotton; Ball  
Candle; etc.) .....AAAA  
United States Cotton Duck  
Corp'n. (Lamp; Stove;  
etc.) .....X  
**MASS.—Boston**  
Fletcher Mfg. Co. (Lamp;  
Candle; Cotton; Cotton  
Ball; Miners) .....AAA  
Pierce, F. H., 402 Boyl-  
ston (Felt Lamp) ....X  
**MASS.—Fall River**  
Estes & Son, John H.  
(Candle) .....A  
**MASS.—Westport**  
Westport Mfg. Co. (Cotton)  
AA  
**MO.—St. Louis**  
Leschen & Sons Rope Co.  
(Candle) .....AA  
**N. J.—Cedar Grove**  
Bowden, Anthony (Lamp;  
etc.) .....B  
**N. J.—Newark**  
New Jersey Wick Co.  
(Lamp; Stove, etc.) ...B  
**New York City**  
Cole & Co., G. W., 141  
B'way. (Incandescent Bi-  
cycle Lamp) .....D  
Fletcher Mfg. Co., 72 Leon-  
ard (Lamp; Cotton Ball;  
Miners Stove; etc.) .AAA  
Jonhs, H. W., Manville Co.  
(Asbestos) .....AAAA  
Lees Co., W. Sherman, 320  
B'way (Lamp; Candle  
Miners; Cotton Ball; etc.)  
F

**WICKS (Con.)**

Massasoit Mfg. Co., 56 Leonard (Cotton Ball Lamp, etc.) .....AA  
 Standard Oil Co., (Lamp) .....AAAA  
 Travers & Son, J. P. (Candle; Cotton) .....D  
**N. C.—Cleveland Mills**  
 Cleveland Cotton Mills (Inc.) (Lamp; etc.) .AA  
**OHIO—Cincinnati**  
 Atkins & Pearce Mfg. Co., 5th & Eggleston (Lamp) .....D  
 Novelty Dye Works (Lamp) .....C

**PA.—Erie**

Watson Co., H. F. (Asbestos) .....AAA

**PA.—Philadelphia**

Hoffman-Corr Mfg. Co. (Lamp) .....A  
 Sidebotham, Jno. (Cotton)A  
**E. I.—Providence**  
 Fletcher Mfg. Co. (Lamp; Cotton; Cotton Ball Miners; Candle) .....AAA

**WIGS**

**ILL.—Chicago**  
 Street Co., Wm. R., 34 Monroe (Theatrical) .....E

**MASS.—Boston**

Burgess & Son, B. H. ....F  
**New York City**  
 Batchelor & Co., W. A. ..F  
 Conen, Robert, 116 3rd Av. G  
 Henner, Wm., 1456 Bway. E  
 Lietz, Chas. L., 39 W. 28th D  
 Meyer, Chas. ....D

**WILLOW WARE**

See Furniture

**WINCHES & WINDLASSES**

**CAL.—San Francisco**  
 Kisdon Iron & Locomotive Works .....AAA

**COLO.—Denver**

Mine & Smelter Supply Co. ....AAA

**CONN.—New Britain**

Brady, T. H. (Windlasses; Arc Lamp) .....AAAA

**ILL.—Chicago**

Allis-Chalmers Co., Home Ins. Bldg. ....AAAA  
 Klemm, E. R., 103 Monroe E

Vulcan Iron Works, 59 Milwaukee Av. ....AA

**IOWA—Waterloo**

Kelly & Taneyhill .....G

**MAINE—Bath**

Hyde Windlass Co. ....B

**MAINE—Portland**

Laughlin, Thomas .....A

**MD.—Baltimore**

Ryan-McDonald Mfg. Co. ....A

44 South (Derrick) ..A

**MASS.—Boston**

Edson Mfg. Co. (Chandelier) .....E

Harvey, H. H., 608 Atlantic Av. (for Quarries) B

**MASS.—Newburyport**

Russell & Sons, Albert ..C

**MICH.—Grand Haven**

Dake Engine Co. (Steam; Windlasses) .....A

**MINN.—St. Paul**

American Hoist & Derrick Co. ....A

**MISS.—Meridian**

Soule Steam Feed Works C

**MO.—St. Louis**

Brecht Butchers' Supply Co., G. V., 1201 Cass Av. (Slaughterhouse) ....AAA

**N. Y.—Buffalo**

Contractors Plant Mfg. Co., 129 Erie .....E

**N. Y.—Frankfort**

Acme Road Machinery Co. ....C

**WINCHES (Con.)**

**New York City**  
 Lidgerwood Mfg. Co., 96 Liberty .....AAA  
 Marine Mfg. & Supply Co., 158 South .....D  
 Pollock, Alexandra, 203 West .....AA  
**N. Y.—Niagara Falls**  
 Dobbie Foundry & Machine Co. ....B  
**N. Y.—Orangeburg**  
 Empire Engine & Motor Co. (Pneumatic) .....B

**N. Y.—Schenectady**

General Electric Co. (Electric Deck) .....AAAA

**OHIO—Cincinnati**

Creshead Engineering Co. (Arc Lamp Windlasses)D

**OHIO—Cleveland**

Brown Holsting Machinery Co., 1345 St. Clair (Winches) .....AAAA  
 Chase Machine Co., 111 Elm B

Globe Iron Works (American Ship Building Co.) ....AAA

Round & Son, D 2287 Bway. ....C

**OHIO—Columbus**

Case Mfg. Co. (Winches) ....AA

**PA.—Allegheny**

Carlin's Sons, Thos. (Boat Lowering; Tanners') ..A

**PA.—Pittsburg**

Scalfe Foundry & Machine Co., 28th & Smallman..B

**PA.—South Bethlehem**

Bethlehem Foundry & Machine Co. ....C

**PA.—Warren**

Textile Finishing Machinery Co. ....X

**R. I.—Providence**

American Ship Windlass Co. (Barge Winches; Boat Lowering; Yacht; Centerboard; Gypsy) .....A  
 Providence Steam Trap Co. D

**WINDERS**

See also Spools; also Machy

**CONN.—Meriden**

Meriden Machine Tool Co. D

**CONN.—South Windham**

Smith & Winchester Co. A

**CONN.—Stonington**

Atwood-Morrison Co. ...AA

**CONN.—Waterbury**

Waterbury Machine Co. (Sheet Metal; Trolley Wire) .....B

**MASS.—Boston**

Stoddard, Haserick, Richards & Co., 152 Congress ....AAA

Universal Winding Co., 95 South (Cone; Hosiery).A

**MASS.—Lowell**

Lowell Machine ShopAAAA

**MASS.—Westfield**

Foster Machine Co. (Cone Skein) .....A

**MASS.—Whitinsville**

Whitin Machine Works .....AAAA

**MASS.—Worcester**

American Card Clothing Co. (Bobbin) .....AAA

Cleveland Machine Wks., (Jas. H. Whittle) (Bobbin) .....A

**N. J.—Paterson**

Atherton Machine Co. ....B

Eastwood Co., Benjamin..A

Paterson Machine Works, 46 Warren .....F

Royle & Sons, John (Cop)A

Simp Electric & Machine Co., 1 Mill .....E

Watson Machine Co. ....A

Wrigley, John .....X

**N. Y.—Coboes**

Cambell & Clute .....A

Kennedy, Thomas .....E

**WINDERS (Con.)**

**N. J.—Fulton**  
 Dills Machinery Works ..C  
 New York City  
 Lyall, J. & W., 83 Leonard (Cop) .....AA  
**N. Y.—Peekskill**  
 Anderson, Homer (Magnet, for Unwinding and Rewinding Electric Magnets) H

**N. Y.—Troy**  
 Tompkins Bros. (Bobbin) B

**PA.—East Downingtown**  
 Downingtown Mfg. Co. (Ltd) B

**PA.—Germantown**  
 Findley, Geo. W. (Hosiery) E

**PA.—Philadelphia**  
 Allen, A. W., 2427 Mascher (Yarn) .....D  
 Altemus, Jacob K., 2816 N. 4th (Bobbin) .....D

Branson Machine Co., 506 American (Hand) ....A  
 Diamond Textile Machine Works, 2nd & Diamond (Bobbin, Cop Quill) ...A

Fairmount Machine Co. 2106 Wood (Bobbin, Cop Quill) .....A

Furbush & Son Machine Co., M. A. (Bobbin) .....A

Lever, Oswald, Lehigh Av. & Mascher (Bobbin, Cop) D

Shaum & Uhlinger, N. 2nd & Glenwood Av. (Cop, Quill) .....AA

Smith Woolen Machinery (Bobbin; Fillet) .....A

**R. I.—Pawtucket**

Easton & Burnham Machine Co. (Skein) .....B

Howard & Bullough American Machine Co. (Ltd.) (Cone) .....AA

Payne & Co., Geo. W. (Hosiery) .....A

**R. I.—Providence**

Franklin Machine Co. (Ball) .....A

Providence Machine Co. AAA

Rhode Island Braiding Machine Co. (Bobbin) ...B

Textile Finishing Machinery Co., 17 Exchange Pl. AAAA

**WINDLASSES**

See Winches

**WINDMILLS**

See Mills; Agr. Implements

**CAL.—Los Angeles**

Stearns Mfg. Co. ....E

**CAL.—Oakland**

Rose & Son, F. M., 222 San Pablo Av. (Steel) ....E

**CAL.—San Francisco**

Deere Implement Co., 209 Market .....A

Jackson Machine Works, Byron, 411 Market ....A

Pacific Pump & Windmill Co. ....A

Woodin & Little, 312 Market .....A

**CONN.—Seymour**

Church, Stephen B. ....D

**ILL.—Aurora**

American Well Works (Iron) .....AA

**ILL.—Batavia**

Appleton Mfg. Co. ....A

Batavia Windmill Co. (Wood) .....B

Challenge Windmill & Feedmill Co. ....AAAA

Snow Mfg. Co. (Steel; Wood) .....E

U. S. Wind Engine & Pump Co. ....AA

**ILL.—Chicago**

Aermotor Co. W. 12th & Rockwell .....AAA

**WINDMILLS (Con.)**

Fairbanks, Morse & Co., Franklin & Monroe (Steel) AAAA

Sharples Co. ....C

Temple Pump Co., 15th Place .....A

**ILL.—Elgin**

Elgin Wind Power & Pump Co. ....B

**ILL.—Freeport**

Stover Mfg. Co. (Iron, etc.) A

Woodmanse Mfg. Co. ....B

**ILL.—Galesburg**

Colton & Co., G. D. ....D

Macy Bros. ....B

**ILL.—Harvey**

Austin Mfg. Co., F. C. AA

**ILL.—Henry**

Aera Mfg. Co. ....D

**ILL.—Joliet**

Lerch Windmill Co. ....G

**ILL.—Kewanee**

Peters Pump Co. ....A

**ILL.—Litchfield**

McDaniel & Son .....G

**ILL.—Marseilles**

Marseilles Mfg. Co. ....A

**ILL.—Moline**

Moline Pump Co. ....A

**ILL.—Mount Pulaski**

Mt. Pulaski Windmill Co. D

**ILL.—Peoria**

Avery Planter Co. ....A

Lockwood Tubular Well Machine Co. ....H

**ILL.—St. Charles**

Goodhue Rotary Grinder Co. ....D

**ILL.—Sandwich**

Enterprise Wind Mill Co. B

Sandwich Mfg. Co. ....AA

**ILL.—Somonauk**

California Windmill Co. .A

**ILL.—Streator**

Superior Co. ....F

**IND.—Anderson**

Anderson Malleable Iron & Mfg. Co. ....C

**IND.—Auburn**

Zimmerman Mfg. Co. ...B

**IND.—Bluffton**

Marcy Mfg. Co. ....H

**IND.—Butler**

Butler Co. (Steel; Wood) B

**IND.—Indianapolis**

Howe Engine Co. ....F

**IND.—Kendallville**

Flint & Walling Mfg. Co. (Steel) .....AA

**IND.—Mishawaka**

Perkins Windmill Co. ....A

**IOWA—Cedar Rapids**

Chandler Pump Co. ....A

Iowa Windmill & Pump Co. B

**IOWA—Clarinda**

Powers Mfg. Co. ....B

**IOWA—Des Moines**

Beckman Bros. ....B

Carter Windmill & Tank Co. ....G

Demnster Mfg. Co. ....B

**KANS.—Salina**

Lowell Windmill Mfg. Co. C

**KANS.—Wichita**

Walterschied Bros. ....C

**KY.—Louisville**

Caldwell Co., W. E. ....A

**MD.—Baltimore**

Baltimore Cooperage Co. B

**MASS.—Boston**

Jager Co., Chas. J., 174 High .....D

**MICH.—Galesburg**

Standard Mfg. Co. ....F

**MICH.—Ithaca**

Wells & Son, H. B. ....F

**MICH.—Kalamazoo**

Phelps & Bigelow Windmill Co. (Steel) .....B

Smith & Pomeroy .....B

Williams Mfg. Co. ....B

**MICH.—Lansing**

Maud's Windmill & Pump Co. ....B

**MICH.—Niles**

Freeland Mfg. Co. ....D

National Engineering Co. C

Crane Co. ....AAAA



**WINDMILLS (Con.)**

**MICH.**—**Weston**  
Vail & Smith .....E  
**MINN.**—**Albert Lea**  
Sharp Mfg. Co. ....C  
**MINN.**—**Faribault**  
Winter & Co., F. W. ....E  
**MINN.**—**Minneapolis**  
Northwestern Wind Engine  
Co., 110 3rd Av. ....AA  
**MO.**—**Kansas City**  
U. S. Water & Steam Sup-  
ply Co. ....A  
**NEBR.**—**Beatrice**  
Dempster Mill Mfg. Co. ...A  
**NEBR.**—**Fairbury**  
Fairbury Windmill Co. ...D  
**NEBR.**—**Nebraska City**  
Kregel, G. F. ....F  
**NEBR.**—**Omaha**  
U. S. Supply Co. ....B  
**N. Y.**—**Buffalo**  
Bagley Co., Elliott Sq. ...C  
Squier Mfg. Co., Geo. L.,  
420 Niagara ....A  
**N. Y.**—**East Williston**  
Schmidt, Geo. ....G  
**N. Y.**—**Holland**  
Tanner, D. F. ....E  
**New York City**  
Corcoran, A. J., 11 John B  
Phillips & Worthington, 136  
Liberty .....E  
Pierce Well Engineering &  
Supply Co., 136 Liberty C  
**OHIO**—**Canton**  
McLain Co., Jas. H. ...AA  
**OHIO**—**Genoa**  
Genoa Mfg. Co. ....D  
**OHIO**—**Greenville**  
Rosa Supply Co. ....C  
**OHIO**—**Massillon**  
Hess Snyder Co. ....AA  
**OHIO**—**Napoleon**  
Heller, Aller & Co. ....A  
**OHIO**—**Springfield**  
Mast, Foss & Co. (Iron  
Turbine) ....AA  
Springfield Machine Tool  
Co. ....B  
**TEXAS**—**Dallas**  
Southern Rock Island  
Plow Co. ....B  
**TEXAS**—**San Antonio**  
Collins Co., F. F. ....A  
**VA.**—**Richmond**  
Sydner Pump & Well Co. D  
**WIS.**—**Burlington**  
Banks & Son, T. ....D  
**WIS.**—**Evansville**  
Baker Mfg. Co. (Steel) ...A  
**WIS.**—**Fort Atkinson**  
Cornish, Curtis & Greene  
Mfg. Co. ....A  
**WIS.**—**Janesville**  
New Doty Mfg. Co. ....B  
**WIS.**—**Racine**  
Freeman & Sons Mfg. Co.,  
S. (Iron; Steel) ....A  
Winship Mfg. Co. ....C  
**WIS.**—**Sheboygan**  
Stehn Mfg. Co. ....D  
**WIS.**—**South Superior**  
Duplex Mfg. Co. ....A  
**WIS.**—**Waunau**  
Althouse, Wheeler & Co. A

**WINDOWS**

**CAL.**—**San Francisco**  
Butterworth, Thos. C., 15  
Polk (Memorial) ....X  
Excelsior Redwood Co. ...A  
**CAL.**—**Jacksonville**  
Richardson & Co., H. H.  
(Memorial) .....H  
**ILL.**—**Chicago**  
Eberhardt & Co., Hugo,  
1148 W. 12th (Memorial)  
E  
Flanagan & Biedenwey Co.,  
57-63 Illinois (Memorial)  
A  
Ford Bros., 151 5th Av.  
Knisely Bros., 28th & 5th  
Av. (Fire-proof; Wired  
Glass; Sheet Metal for  
Fire-proof Construction)A  
McCully & Miles Co., 76  
Wabash Av. (Memorial)  
X  
M'Farland & Co., J. C.,

**WINDOWS (Con.)**

27th & 5th Av. (Fire-  
proof; Wired Glass; Sheet  
Metal for Fire-proof Con-  
struction) .....B  
Miller & Bro., Jas. A., 129  
So. Clinton (Wired Glass;  
Sheet Metal for Fire-proof  
Construction) .....A  
Schuler & Mueller, Canal &  
Madison (Memorial) ...D  
Volghtmann & Co., 123 Ont-  
ario (Automatic Closing;  
Patent Fire-proof; Wired  
Glass; Sheet Metal for  
Fire-proof Construction)C  
Western Sand Blast Co., S.  
Clinton Av. & West Jack-  
son Boul. (Memorial) C  
**IND.**—**Goshen**  
I. X. L. & Goshen Pump  
Co. (Screen) .....B  
**IOWA**—**Dubuque**  
Farley & Loetscher Mfg.  
Co. ....AA  
**KY.**—**Louisville**  
Blum Art Glass Co., 308  
7th (Memorial) .....X  
**MASS.**—**Athol**  
Tyler, Arthur F. (Glazed)C  
**MASS.**—**Boston**  
Badger & Sons, E. B., 65  
Pitt (Fire-proof; Wired  
Glass; Sheet Metal for  
Fire-proof Construction)B  
Flagg & Co., L. G., Sud-  
bury Bldg. (Memorial) AA  
Hicks & Son, S. D., 9 Bow-  
ker (Sheet Metal for Fire-  
proof Construction) ....B  
Redding, Baird & Co., 83  
Franklin (Memorial) ...B  
Smith-Warren Co., 93 Fed-  
eral (Fire-proof; Wired  
Glass; Sheet Metal for  
Automatic Fire-proof Con-  
struction) .....D  
Spence, Moakler & Bell, 90  
Canal (Memorial) ....E  
**MICH.**—**Detroit**  
Friedrichs & Wolfrum, 107  
Gratiot Av. (Memorial)E  
**MINN.**—**St. Paul**  
St. Paul Roofing, Cornice &  
Ornament Co. (Fire-proof;  
Wired Glass; Sheet Metal  
for Fire-proof Construc-  
tion) .....B  
**MO.**—**St. Louis**  
Hafner Lothman Mfg. Co.  
(Glazed) .....A  
Huttig Sash & Door Co.  
(Glazed) .....A  
Kerwin Ornamental Glass  
Co., E. F., 925 N. 6th  
(Memorial) .....B  
Wallis, A. H., 2000 &  
2002 Locust (Memorial)D  
**N. J.**—**Camden**  
Metallic Mfg. Co., 110 Erie  
(Sheet Metal for Fire-  
proof Construction) ...F  
**N. J.**—**Newark**  
O'Halloran & Sons, Thos.,  
73 Chambers (Memorial)  
D  
Tabor Sash Co., 69 Polk  
(Sheet Metal for Fire-  
proof Construction) ....D  
**N. J.**—**Paterson**  
Payne, Geo. Hardy, 247  
Market (Memorial) ....F  
**N. Y.**—**Binghamton**  
Roberson & Son, A.  
(Glazed) .....AA  
**N. Y.**—**Brooklyn**  
Hecla Iron Works, N. 11th  
& Berry (Sheet Metal for  
Fire-proof Construction) AA  
Hellmann, R., 177 Pacific  
(Memorial) .....E  
Morgan Bros., 707 Gates  
Av. (Memorial) .....D  
Summers & Lamb, cor. Jay  
& Johnson (Memorial) F  
**New York City**  
Benziger Bros., 38 Barclay  
(Memorial) .....A  
Church Art Work Co., 253  
4th Av. (Memorial) ...B  
Decorative Stained Glass

**WINDOWS (Con.)**  
 Co., 46 Wash. Sq. (Memorial) .....F  
 Doughtery, James, 435 W. Bway. (Memorial) ....F  
 Grimm, A. C., 43 E. 10th (Memorial) .....F  
 Haynes Co., Geo., 71 8th Av. (Fire-proof; Wired Glass: Sheet Metal for Fire-proof Construction) B  
 Heinicke & Bowen, 24 E. 13th (Memorial) .....B  
 Maginn, Charles, 17 E. 14th (Memorial) .....G  
 Morgan & Son, John, 32 E. 9th (Memorial) .....C  
 Rae & Co., G. 436 W. Bway. (Memorial) ....G  
 Righter & Kolb, 156 5th Av. (Memorial) .....E  
 Sellers, Benj., 80 Bible House (Memorial) ....D  
 Splers, Richard N., 859 6th Av. (Memorial) .....E  
 Stottzenberg Co., 51 Barclay (Memorial) .....B  
 Tiffany Studios, 333 4th Av. (Memorial) .....AA  
**N. Y.—Syracuse**  
 Wood Glass Co., 226 N. Salem (Memorial) ....C  
**OHIO—Canton**  
 Berger Mfg. Co. (Sheet Metal for Fire-proof Construction) .....AA  
**OHIO—Cincinnati**  
 Riodan & Co., G. C., 133 E. 5th (Memorial) .....D  
 Witt & Brown, 215 W. 3rd (Fire-proof; Wired Glass) A  
 Witt Cornice Co., Bway. & 8th (Sheet Metal for Fire-proof Construction) ....B  
**OHIO—Cleveland**  
 Shakleton Co., 171 Prospect (Fire-proof; Wired Glass) F  
**OHIO—Dayton**  
 Stevens Art Glass Co., 28 S. St. Claire (Memorial) H  
**PA.—Philadelphia**  
 Century Stained Glass Co., 200 So. 11th (Memorial) E  
 Dukes Glass Works, Henry, 2129 Market (Memorial) D  
 Luntons Sons, David, Allegheny Av. & Tulip (Fire-proof; Wired Glass; Sheet Metal for Fire-proof Construction) ..AA  
 Meade Roofing & Cornice Co., 3717 Filbert (Sheet Metal for Fire-proof Construction) .....C  
 Quaker City Stained Glass Works, 504 Arch (Memorial) .....F  
 Reith, Wm., 134 N. 7th (Memorial) .....C  
 Thorn Co., J. S., 1227 Calowhill (Sheet Metal for Fire-proof Construction) A  
**PA.—Pittsburg**  
 Kim & Co., Geo. A., 318 1st Av. (Memorial) ....B  
**R. I.—Providence**  
 Clason Architectural Metal Co. (Fire-proof) .....C  
**WIS.—Milwaukee**  
 Phenix Mfg. Co. (Reversible) .....F  
 Van Horn, Daniel (Memorial) .....H

## WINES

See Liquors

## WIPERS

**N. J.—Bridgeton**  
 Cox Bros. & Co. (Can) ..E  
**N. Y.—Buffalo**  
 West Mfg. Co. (Can) ....D  
**N. Y.—Syracuse**  
 Hemingway Mfg. Co. (Can) A  
 Merrell-Soule Co. (Inc.) (Can) .....AA  
**PA.—Philadelphia**  
 American Silk Mfg. Co., 312

**WIPERS (Con.)**  
 Walnut (Bicycle; Machinery) .....F

## WIRE

See also Wires; Wire, Electric

**ALA.—Birmingham**  
 Alabama Steel & Wire Co. (Steel) .....AAAA  
**CAL.—Los Angeles**  
 Pacific Electrical Works (Insulated) .....A  
**CAL.—San Francisco**  
 California Wire Wks. (Barbed) .....X  
**CONN.—Ansonia**  
 Ansonia Brass & Copper Co. (Br. N. Y. City) (Annunciator; Brass & Copper; Insulated; Magnet Trolley; Weather-proof; Spooling; Suring; Electric House Light; Leading; Connecting; Telegraph; Brass Pinion; Pin) AAAA  
 Ansonia Co., O. & C. (Corset) .....A  
 Ansonia Electrical Co. (Annunciator or Office Magnet; Weather-proof; Copper; Magnet; Cotton Covered; Electric House; Electric Light) .....A  
 Connecticut Insulating Wire Co. (Annunciator or Office; Insulated; Magnet) F

**CONN.—Bridgeport**  
 Bridgeport Brass Co. (Annunciator; Brass; Copper; German Silver; Weather-proof; Electric House; Electric Light; Insulated; Leading & Connecting; Magnet; Telegraph; Special; Bronze) .....AA  
 Bridgeport Deoxidized Bronze & Metal Co. (Copper) .....B  
 Taylor, Thomas P. (Dress Star) .....B  
**CONN.—Bristol**  
 Barnes, Wallace Co. (Brass) .....C  
 Bristol Brass & Block Co. (Brass; German Silver) AAA

**CONN.—Derby**  
 Howe Mfg. Co. (Bent; Shaped; Pointed) .....A  
**CONN.—Georgetown**  
 Gilbert & Bennett Mfg. Co. (Fence; Galvanized Iron; Hair; Iron; Tinned; Twist) .....AA  
**CONN.—Meriden**  
 Todd, Henry B. (Threaded) X

**CONN.—New Haven**  
 McCluskey & Sons, H. & F. (Brass; Copper) .....F  
 National Steel & Wire Co. (Broom; Brush; Cable; Chain; Coppered; Gun Wrapping; Machinery; Market; Resistance; Rivet; Staple; Screw, etc.; Screen; Steel; Spooling) AAAA

National Wire Corporation (All Kinds) .....AA  
 New Haven Wire Mfg. Co. (All Kinds) .....C  
**CONN.—Norwich**  
 Ossawan Mills Co. (Picture; Artificial Flower; Hair; Spool) .....B  
 Turner Mfg. Co., E. P. (Spooled) .....X

**CONN.—Seymour**  
 Seymour Mfg. Co. (Brass; Copper; German Silver; Resistance) .....AA  
**CONN.—Torrington**  
 Coe Brass Mfg. Co. (Br. American Brass Co.; Waterbury) (Brass; Copper; German Silver; Resistance; Trolley; Weather-proof; Spooling) ..AAAA

**WIRE (Con.)**  
 Progressive Mfg. Co.  
 (Threaded) .....A  
**CONN.—Waterbury**  
 American Brass Co.  
 (Brass; Copper) .....AAAA  
 Benedict & Burnham Mfg.  
 Co. (Brass; Copper; Ger-  
 man Silver; Insulated;  
 Electric Light; Leading;  
 Connecting Magnet)AAAA  
 Blake & Johnson (Thread-  
 ed) .....A  
 Chase Rolling Mill Co.  
 (Brass; Copper) .....AAA  
 Hartley, Geo. (Cast Steel;  
 Watch; Clock, etc.;  
 Spring) .....D  
 Holmes, Booth & Haydens  
 Co. (Brass; Copper; Ger-  
 man Silver; Insulated;  
 Magnet; Resistance; Trol-  
 ley; Weather-proof; Elec-  
 tric House; Electric  
 Light; Leading; Connect-  
 ing; Magnet; Telegraph)  
 AAA  
 Plume & Atwood Mfg. Co.  
 (Brass; Copper; German  
 Silver; Electric House)  
 Randolph Clowes Co.  
 (Brass; Copper) .....AAA  
 Scovill Mfg. Co. (Alumi-  
 num; Brass; Copper; Ger-  
 man Silver; Resistance;  
 Spring) .....AAAA  
 Waterbury Brass Co.  
 (Brass; Bronze; Screw;  
 Copper; German Silver;  
 Resistance) .....?  
**DEL.—Marshallton**  
 Marshallton Iron & Steel  
 Co. (Corrugated; Black;  
 Painted) .....D  
**ILL.—Chicago**  
 American Steel & Wire Co.  
 (Am. Steel Corp., N. Y.  
 C.) (All Kinds) .....AAAA  
 Barbee Wire & Iron Works  
 (Fence) .....B  
 Besley Co., Chas. H.  
 (Bronze) .....AA  
 Chicago Insulated Wire Co.,  
 152 Lake (Annunciator;  
 Insulated; Magnet; Re-  
 sistance; Weather-proof)  
 B  
 Grand Crossing Tack Co.,  
 S. Chicago Av. & 79th  
 (Baling; Barbed; Iron;  
 Steel; Market; Fence) A  
 Illinois Steel Co. (Br. Fed-  
 eral Steel Co., N. Y. C.)  
 (Baling) .....AAAA  
 Illinois Wire Co., Monad-  
 nock (Steel) .....B  
 Kellogg Switchboard &  
 Supply Co., Green & Con-  
 gress (Magnet) .....AA  
 McDermid Mfg., 118 W.  
 Jackson Boul. (Magnet)C  
 Macomber & Whyte Rope  
 Co. (Brass; Copper; Mar-  
 ket; Iron; Steel Fence)E  
 Western Electric Co., 259  
 So. Clinton (Insulated;  
 Weather-proof; Electric  
 Light; Trading; Connect-  
 ing; Magnet; Telegraph)  
 AAAA  
**ILL.—Decatur**  
 Chambers-Bering-Kuinlan  
 Co. (Check Rower) .....A  
 Fairies Mfg. Co. (Check  
 Rower) .....A  
**ILL.—DeKalb**  
 Haish Mfg. Co. (Barbed)  
 A  
 Union Fence Co. (Fence)B  
**ILL.—East St. Louis**  
 New Process Steel & Wire  
 Co. (Barbed) .....A  
**ILL.—Joliet**  
 Adam, W. J. (Fence) ....B  
 Bates Machine Co. (Barb-  
 ing Machine) .....A  
**ILL.—Sandwich**  
 Sandwich Mfg. Co.  
 (Barbed) .....AA  
**ILL.—Sterling**  
 Dillon-Griswold Wire Co.  
 (Barbed; Annealed; Gal-  
 vanized; Bright; Market;

**WIRE (Con.)**  
 Steel) .....A  
 Northwestern Barb Wire  
 Co. (Barbed) .....A  
**IND.—Anderson**  
 Spring Steel Fence & Wire  
 Co. (Music; Needle; Rope;  
 Round Tempered) .....B  
**IND.—Crawfordsville**  
 Crawfordsville Wire & Nail  
 Co. (Steel; Barbed; Gal-  
 vanized Market; Iron;  
 Fence; Bond; Spring; Tel-  
 egraph; Telephone) ....B  
**IND.—Fort Wayne**  
 Fort Wayne Electrical Cor-  
 poration (Electric Light;  
 Magnet) .....AA  
**IND.—Jonesboro**  
 Indiana Rubber & Insula-  
 ted Wire Co. (Aerial; In-  
 sulated; Rubber Covered)  
 AA  
**IND.—Kokomo**  
 Kokomo Fence Machine Co.  
 (Fence) .....AA  
 Kokomo Steel & Wire Co.  
 (Barbed; Cable; Coiled  
 Spring; Doubled Crimped  
 Steel; Hercules made  
 from four wires; Market;  
 Braided; Steel) .....AAA  
**IND.—Marion**  
 Marion Insulated Wire &  
 Rubber Co. (Insulated)A  
**IND.—Muncie**  
 Kitzelman Bros. (Steel)..A  
**IND.—South Bend**  
 Miller Knoblock Elec. Mfg.  
 Co. (Insulated; Magnet)B  
**KY.—Ashland**  
 Norton Iron Works (Inc.)  
 (Market) .....AA  
**MASS.—Attleboro**  
 Williams & Co., H. M.  
 (Silver) .....D  
**MASS.—Boston**  
 Boston Gear Works (Brass  
 Pinion) .....B  
 Chadwick Lead Works  
 (Lead) .....AA  
 Eastern Electric Cable Co.,  
 61 Hampshire (Insulated;  
 Rubber Covered) .....A  
 Simplex Electrical Co., 75  
 Cornhill (Insulated; Wea-  
 ther-proof; Leading; Con-  
 necting) .....A  
**MASS.—Charlton**  
 Prouty Wire Co. (Card;  
 Iron) .....D  
**MASS.—Holyoke**  
 Brown & Sellers Co., 21  
 Ely (Fourdrinier) ....H  
 Buchanan & Bolt Wire Co.  
 (Fourdrinier) .....B  
 Prentiss & Co., Geo. W.  
 (All Kinds) .....AA  
**MASS.—New Bedford**  
 Taunton-New Bedford Cop-  
 per Co. (Copper) .....AAA  
**MASS.—Plymouth**  
 Bradford, Kyle & Co. (An-  
 nunciator or Office; In-  
 sulated; Magnet; Resist-  
 ance) .....B  
**MASS.—Taunton**  
 Atlas Tack Corporation  
 (Pointed) .....AAAA  
**MASS.—Worcester**  
 Morgan Spring Co. (All  
 Kinds) .....B  
 Parker Wire Goods Co.  
 (Spooled) .....E  
 Spencer Wire Co. (All  
 Kinds) .....A  
 Wire Gods Co. (Spooling;  
 Pointed; Cast Steel; Flor-  
 ists'; Iron; Steel; Market;  
 Fence; Picture) .....B  
 Worcester Wire Co. (All  
 Kinds) .....A  
 Wright Wire Co. ....AA  
**MICH.—Detroit**  
 Detroit Copper & Brass  
 Rolling Mills (Brass; Cop-  
 per; German Silver)  
 AAAA  
**MO.—St. Louis**  
 Broderick & Bascom Rope  
 Co., 809 Main (Strand)  
 AA  
 Leschen & Sons Rope Co.,

**WIRE (Con.)**

A., 920 N. 1st (Strand) AAA  
 Ludlow Saylor Wire Co. (Barbed; Fence) .....AA  
 New Process Mfg. Co. (Annealed; Plain; Market; Steel) .....X  
 St. Louis Electrical Supply Co., 118 Pine (Weather-proof) .....C  
 St. Louis Wire & Iron Co. (Barbed) .....D  
**N. H.—Lisbon**  
 New England Electric Works (Insulated; Magnet; Resistance) .....C  
**N. J.—Belleville**  
 Eastwood Wire Mfg. Co. (Brass; Copper; Steel)  
**N. J.—Elizabethport**  
 Waclark Wire Co. (Br. N. Y. C.) (Copper) .....A  
**N. J.—Harrison**  
 Dzilver-Harris Wire Co. (Brass; Copper; Insulated; Piano; Market; Resistance; Fine Wire Steel) B  
**N. J.—Jersey City**  
 Williams & Son, E. A. (Fuse Lead Encased)AAA  
**N. J.—Newark**  
 Baker & Co. (Platinum)AA  
 Bowers & Co., Jas. (Crinoline) .....A  
 Crabb & Co., W. (Steel) B  
 Croselmirre. C. F. (Platinum) .....B  
 Jenkinson & Co., R. C. (Threaded) .....A  
**N. J.—Riverside**  
 Riverside Metal Co. (Resistance; Electric) .....A  
**N. J.—Trenton**  
 Crescent Belting & Packing Co. (Insulated) .....A  
 Crescent Insulated Wire & Cable Co. (Annunciator or Office; Insulated; Magnet; Resistance; Weather-proof) .....A  
 Roebeling's Sons Co., John A. (All Kinds) .....AAAA  
 Trenton Iron Co. (Br. N. Y. City) (Coppered; Market; Piano; Music; Steel; Steel Spring; Steel, Telephone; Telegraph; Tinned; Trolley; Fence; Galvanized Iron; Iron, Weaving, Music) .....AA  
**N. Y.—Brooklyn**  
 Brooklyn Brass & Copper Co., Pearl & Front (Br. N. Y. C.) (Brass; Copper) ...A  
 Igoe Bros. (Market; Steel; Iron; Tinned) .....C  
 Miller & Van Winkle (Cast Steel; Flat; Round Tempered) .....A  
**N. Y.—Cortland**  
 Wickwire Bros. (Coppered; Bright; Galvanized; Steel; Tin; Iron; Fence; Market) .....AA  
**N. Y.—Hornellsville**  
 Hollow Cable Mfg. Co. (Fence Braided) .....B  
**New York City**  
 Bassett Co., Robert N. (Corset, Covered) ....AA  
 Bishop Gutta Percha Co., 422 E. 25th (Annunciator; Feeder; Gas Fixture; Insulated. All Kinds; Magnet; Solid; Flexible Rubber Covered; Electric House; Light; Leading; Connecting; Telegraph)B  
 Herman Boker & Co. (Nickel; Steel; Nickel Covered) AAA  
 Brixey, W. R., 203 Bway. (Aerial; Insulated; Kerite) .....B  
 Cable Excelsior Wire Mfg. Co., Wm. (Brass; Bronze; Copper; Broom; Brush; Iron; Steel) .....B  
 Carey Spring Works, 240 W. 29th (Flat; Round Tempered; Brass; Steel; Steel

**WIRE (Con.)**

Music; Tempered; Clock Spring; Spring) .....B  
 Creccent Steel Co. (Steel) AAAA  
**Dewitt Wire Cloth Co.**  
 (Brass; Copper) .....A  
 Hammacher Schlemmer & Co., 209 Bowery (Piano or Music) .....AAA  
 Hartman Mfg. Co. (Barbed) X  
 Hazard Mfg. Co., 50 Dey (Barbed; Insulated; Fence; Market; Telegraph; Brass; Copper) AAAA  
 Hendricks Bros., 49 Cliff (Copper; Trolley).....AAAA  
 Hobson, Houghton & Co., 98 John (Ltd.) (Needle) ..B  
 Hungerford Brass & Copper Co., 497 Pearl (Brass; Copper; Bottling; German Silver) .....AA  
 India Rubber & Gutta Percha Insulating Co., 15 Cortlandt (Aerial; Insulated; Rubber Covered) ..B  
 Kemp, H. W., 165 Spring (Aluminum) .....B  
 Lewisohn Bros. (Inc.) (Copper) .....AAAA  
 Manhattan Brass Co., 338 E. 23th (Brass; Copper; Bronze) .....A  
 Montauk Fire Detecting Wire Co., 100 Bway. (Fire Detecting; Insulating) D  
 Morrison, J. L. (Bookbinders) .....D  
 National Conduit & Cable Co., 41 Park Row (Insulated) .....AAAA  
 New York Insulated Wire Co., 114 Liberty (Insulated) .....B  
 Okonite Co. (Ltd.), 253 Bway. (Aerial; Insulated; Weatherproof) .....AA  
 Safety Insulated & Cable Wire Co., 114 Liberty (Feeder; Insulated; Electric House; Rubber Covered) .....AAA  
**N. Y.—Rome**  
 Rome Brass & Copper Co. (Brass; Copper; Spooling) AAAA  
 Spargo Wire Co., Jas. A., (Copper) .....O  
**N. Y.—Schenectady**  
 General Electric Co. (Copper; Insulated all Kinds; Magnet; Waterproof; Weatherproof; Electric Light; Leading & Connecting; Telegraph) AAAA  
**N. Y.—Syracuse**  
 Sanderson Bros Steel Co. (Br. Crucible Steel Co. Pittsburg, Pa.) (Needle) AAAA  
**OHIO—Cincinnati**  
 Globe Rolling Mill Iron & Steel Co. (Coppered; Copper; Fence; Iron; Steel) B  
**OHIO—Cleveland**  
 Cleveland Wire & Spring Co. (Heddle; Spring; Cast Steel Tempered) .....O  
 Frost Wire Fence Co. (Boiled Spring; Iron; Steel; Market; Fence)E  
 Mallin & Co., 34 Long (Cast Steel; Piano or Music; Epooling; Brass; Copper; Florists; Hair; Spool; Steel; Steel Music; Tinned) .....D  
**OHIO—Columbus**  
 International Fence & Fire Proofing Co. (Boiled Spiral Spring; Iron Steel; Market; Fence) .....A  
 Saurbrey, Geo. J., 259 E. Livingston Av. (Twisted in 1000 ft Bolls and cut to Lengths) .....H  
**OHIO—Cuyahoga Falls**  
 Cuyahoga Steel & Wire Co.,

**WIRE (Con.)**

(Brush and Broom; Coppered; Fence, etc.; Market; Steel; Tinned; Spooling) .....X

**PA.—Braddock**

Braddock Machine & Mfg. Co. (Barbing Machines) B  
Griswold Wire Co. (Annealed Market; Steel)..B

**PA.—Easton**

Stewart Wire Co. (Coppered; MMarket; Rivet; Staple Screw, etc.; Tinned) .....B

**PA.—Johnstown**

Cambria Steel Co. (Barbed; Baling; Nail; Needle; Tedder) .....AAAA

**PA.—McKees Rocks**

Kidd Bros & Burgher Steel Wire Co. (Polished Pinion; Steel; Polished Steel Needle; Awl; Dental; Gimlet; Screw; Special; Watch; Wood Bit; Screw Driver) .....B

**PA.—Malvern**

Bishop & Co., J. (Platinum) D

**PA.—Monaco**

Pittsburg Tool Steel Co. (Awl Cast Steel; Gimlet; Knurled; Needle; Pin; Screw; Screw Driven; Special; Tempered; Watch; Wood Bit) .....C

**PA.—New Brighton**

Townsend C. C. & E. P. (Steel; Iron; Market; Fence) .....AA

**PA.—Norristown**

Reading Screw Co. (Coppered; Gunwrapping; Market; Rivet; Staple Screw, etc.; Cast Steel; Iron; Steel; Fence) .....A

**PA.—Philadelphia**

Hamilton's Sons, Thos. 1352 Vienna (Steel) ...B

Moore, Alfred F., 200 N. 3rd Annunciator (Office; Gas Fixture; Insulated; All Kinds; Magnet; Resistance; Solid and Flexible Rubber; Covered; Weatherproof; also Slow Burning; Electric House; Electric Light; Leading and Connecting Telegraph) .....AAAA

Phillips Townsend & Co. ..E  
Phosphor Bronze Smetting Co., 2200 Wash'n (Phosphor. Bronze; Telegraph; Cord; Flat; Soft; Coppered; Annealed; Spring)..A  
Tatham & Bros. (Lead Encased) .....AAA

White Dental Mfg. Co. S. S., (Gold; Gun Screw; Platinum; Silver) AAAA

**PA.—Pittsburg**

Crucible Steel Co. of America, Frick B'd'g (Steel) .....AAAA

Hussey & Co., C. G. (Brass; Copper) .....AAA

National Cable & Wire Co. Westinghouse B'd'g (Insulated; Rubber Covered) A

Oliver Wire Co. (Barbed; Coppered; Galvanized; Iron; Market; Tinned) .....AAAA

Pittsburg Electrical & Machine Works (Electric; House) .....E

Pittsburg Reduction Co., Smith B'd'g (Bare & Insulated; Aluminum; Aluminum Bronze; Cable) .....AAA

Pittsburg Steel Co., Peoples' Sav. Bank B'd'g (Barbed; Cable; Market; Steel; Tinned) .....AAAA

Standard Underground Cable Co. (All Kinds) .....AAA

United States Wire & Nail Co., Lewis B. (Plain Steel) .....A

**WIRE (Con.)**

**PA.—Reading**  
Carpenter Steel Co., (Br. N. Y. City) (Piano or Music; High Grade Steel) .....AA

**PA.—Sharpsburg**

Globe Wire Co. (Steel)..A  
**R. I.—Bristol**  
National India Rubber Co. (Insulated Weatherproof) AAAA

**R. I.—Pawtucket**

Collyer Insulated Wire Co. (Annunciator; Insulated; Weatherproof) .....A

Fuller & Son, Geo. H. (Gold; Jewellers; Silver) .....A

Phillips Insulated Wire Co. (Insulated; Electric House; Electric Light)..A

Rhode Island Electric Wks. (Insulated; Magnet) ...B

**R. I.—Phillipsdale**

Washburn Wire Co. (All Kinds) .....AAAA

**R. I.—Providence**

American Electrical Works (All Kinds) .....AAAA

American Screw Co. (Pointed) .....AAAA

American Seamless Wire Co. (Jewelry) .....B

Bourn Rubber Co. (Insulated) .....A

Briggs & Sons Co., J. (Jewellers) .....A

Improved Seamless Wire Co. (Jewellers') .....B

Linton Co., P. & A. (Jewellers') .....B

Morgan Jewelry Co. (Jewellers') .....F

United Wire & Supply Co. (Jewellers') .....AA

Wall & Co., A. T. (All Kinds) .....C

**WIS.—Janesville**

Janesville Barb Wire Co. (Barbed) .....B

**WIRE:****ELECTRIC****CONN.—Ansonia**

Ansonia Elec. Co., The (Insulated) .....A

**CONN.—Wallinford**

New York Insulated Wire Co. (Insulated & Cables) B

**CONN.—Waterbury**

Holmes Booth & Hayden Co. (Cotton Insulated) .. AAAA

**N. J.—Passaic**

Okonite Co. (Insulated Electric) .....A

**N. J.—Trenton**

Roebbling's Sons, Co., Jno., A. (Insulated) .....AAAA

**N. H.—Lisbon**

New England Elec. Wks. (Magnet & Resistance) C

**New York City**

Berlin & Trosky (Bonnet) B

Martin & Co., Thos. (Bonnet) .....D

**N. Y.—Yonkers**

India Rubber & Gutta Percha Insulating Co. ..B

**PA.—Philadelphia**

Moore, Alf. F. (Insulated Electrical) .....AAAA

**PA.—Wilkesbarre**

Hazard Mfg. Co. (Insulated Electric) .....AAA

**R. I.—Pawtucket**

Collyer Insulated Wire Co. (Insulated Electric) ....B

Phillips Insulated Wire Co. (Insulated Electric) ....A

R. I. Electrical Wks. (Magnet) .....C

**R. I.—Providence**

Am. Electrical Wks. (Insulated Electric) AAAA

**WIRES****CONN.—Bethel**

Shepard & Son, Geo., A. (Hat) .....F

**CONN.—Chester**

Brooks & Sons, M. S.

**WIRE (Con.)**  
 (Drop; Guide) ..... B  
**CONN.—New Haven**  
 McCluskey & Sons, H. & T.  
 (Cylinders; Fourdrinier  
 Washer) ..... F  
 New Haven Wire Mfg. Co.  
 (Hat) ..... C  
**CONN.—New Windham**  
 Hartson Co., L. M.  
 (Drop) ..... E  
**IND.—Crawfordsville**  
 Crawfordsville Wire & Nail  
 Co. (Bond; Galvanized) B  
**MASS.—Attleboro**  
 Williams & Co., H. M.  
 (Ear) ..... D  
**MASS.—Fitchburg**  
 Davis & Son, Ezekiel  
 (Fourdrinier) ..... X  
**MASS.—Hopedale**  
 Draper Co. (Guide) ..... AAAA  
**MASS.—Lawrence**  
 Hall, F. A. & P. (Drop) P  
**MASS.—Springfield**  
 Bigelow Cheney Wire Works  
 (Fourdrinier) ..... A  
**MASS.—Worcester**  
 Wire Goods Co., 20 Union  
 (Guide) ..... B  
**New York City**  
 De Witt Wire Cloth Co.  
 (Fourdrinier) ..... A  
**R. I.—Pawtucket**  
 Blackstone Reed & Harness  
 Co. (Drop Guide) .... G  
**Fuller & Son, Geo. H.**  
 (Ear) ..... A  
**Jencks Mfg. Co., E.**  
 (Guide) ..... AA  
**R. I.—Providence**  
 American Supply Co.  
 (Guide) ..... AA  
**Heimberger & Lind (Ear) F**

## WITCHHAZEL

**CONN.—Clinton**  
 Pratt Chem. Co. .... A  
 Strickland, W. G. .... C  
**CONN.—Durham**  
 Dickinson & Co., E. E. ... A  
**CONN.—Essex**  
 Dickinson, Jr., P. M. ... D  
 Dickinson & Co., E. E. ... A  
 Lenifect Co. .... A  
**CONN.—Norwich**  
 Johnson & Co. .... A  
**ILL.—Chicago**  
 Atwood & Steele, 18 River  
 C  
**Puhl-Webb Co., 119 W.**  
 Randolph ..... C  
**MD.—Baltimore**  
 McCormick & Co. .... D  
**MASS.—Malden**  
 Gould & Bro., S. W. .... B  
**MO.—St. Louis**  
 Tilden Co., 1718 Olive.... A  
**N. H.—Hubbard**  
 Gould & Bros., S. W. .... B  
**N. J.—Newark**  
 Hallock, Denton & Co. .... B  
**N. Y.—New Lebanon**  
 Tilden Co. .... A  
**New York City**  
 Burton & Co., W., 75 Bar-  
 clay ..... B  
 Colonial Chem. Co., 4 War-  
 ren ..... A  
**Condon & Co., Thos. F., 220**  
 B'way ..... C  
**Leggett & Co., Francis H.**  
 AAAA  
**N. Y.—Utica**  
 Sheehan Fruit Syrup Co. ... D  
**OHIO—Newark**  
 Styron, Beggs & Co. .... A  
**PA.—Easton**  
 World Refg. Co. .... D

## WOOD

For Ground Wood, see Pulp  
 & Fibre

**CONN.—Bridgeport**  
 Wheel & Wood Bending Co.  
 (Bent) ..... B  
**CONN.—New Haven**  
 Dann Bros. & Co. (Bent to  
 Order) ..... B  
**IND.—Bremen**  
 Wright, John J. (Bent) ... B

**WOOD (Con.)**  
**New York City**  
 Estes & Sons, E. B., 45  
 John (Ball) ..... AA  
**OHIO—Akron**  
 Bakes-McMillan Co. (Pail;  
 Ball) ..... B

## WOODEN-WARE

**ALA.—Bridgeport**  
 Bridgeport Woodenware  
 Mfg. Co. .... B  
**ALA.—Mobile**  
 Partin Malcolm ..... D  
**CAL.—San Francisco**  
 Cupples Woodenware Co., S.  
 (Br.), 116 Cal. .... AAAA  
**Pacific Woodenware &**  
**Cooperage Co., 122 Davis**  
 B  
**Unna Co. of San Francisco,**  
 Harry, 113 Battery .... A  
**COLO.—Denver**  
 Craffey M. .... O  
 Post & Co., H. H. .... O  
**CONN.—New Haven**  
 Elm City Mfg. Co., 379  
 State ..... O  
 Bronson & Townsend Co. ... D  
**GA.—Atlanta**  
 Atlanta Woodenware Co. ... B  
**ILL.—Chicago**  
 Chicago Woodenware Co. ... E  
 Creamery Pack. Mfg. Co.  
 (Butter Tubs & Boxes)  
 AAAA  
 Cupples Woodenware Co.,  
 Sam'l, 55 So. Water  
 AAAA  
**Escanaba Woodenware Co.**  
 (Wood Dishes, etc.) ... A  
**Higbie, F. K., 35 So. Wa-**  
**ter (Mfr's Agts. Pails,**  
**etc.)** ..... D  
**King & Co., C. L., 13 La**  
**Salle** ..... A  
**Mann Bros., 6 Wabash Av.**  
 AA  
**Menasha Woodenware Co.,**  
**25 W. Erie** ..... AA  
**Schmitt, Bromann & Co.,**  
**80 W. Randolph** ..... B  
**Sefton Mfg. Co., J. W.**  
**241 S. Jeff. (Oyster**  
**Pails)** ..... AA  
**ILL.—Elgin**  
 Elgin Butter Tub Co.  
 (B. Tubs) ..... B  
**ILL.—Moline**  
 Dimock, Gould & Co. ... AA  
**ILL.—Peoria**  
 National Cooperage &  
 Woodenware Co. .... B  
**ILL.—Rockford**  
 Palmer Co., H. H.  
 (Churns) ..... D  
**IND.—Anderson**  
 Sefton Mfg. Co., J. W.  
 (Pails) ..... AA  
**IND.—Eaton**  
 Standard Washboard Co. ... O  
**IND.—Indianapolis**  
 Tucker & Dorsey Mfg. Co.,  
 State Av. & Bates ... A  
**Udell Wks., 28 1-2 Barnes**  
 A  
**IND.—Martinsville**  
 Davis Cooperage Co. (Kegs;  
 Tubs; Half Barrels) ... B  
**IOWA—Clinton**  
 Clinton Paper Co. .... B  
**IOWA—Davenport**  
 Brammer Mfg. Co., H. F.  
 B  
**IOWA—Dubuque**  
 Dubuque Woodenware &  
 Lumber Co. .... A  
**KY.—Louisville**  
 Gould & Co., L., 145 E.  
 Jeff. (Mfrs. & Mfrs.  
 Agts.) ..... D  
**MAINE—Biddeford**  
 Biddeford & Natick Mfg.  
 Co. .... D  
**MAINE—Portland**  
 Kendall & Whitney ..... B  
**MAINE—West Baldwin**  
 Harding, F. D. .... D  
**MAINE—West Paris**  
 Mann, Lewis M. (Pails) ... C

**WOODENWARE (Con.)****MD.—Baltimore**

Southern Veneer Package Co. ....C

Wysham Co., 16 W. Lombard .....D

**MASS.—Ashley**

Flint, L. E. (Tubs).....D

**MASS.—Baldwinsville**

Holman &amp; Hanis (Pails; Tubs, etc.) .....D

**MASS.—Boston**

Haskell, W. A., 37 John.D

Shepard, Clark &amp; Co., 83 Com'l .....C

**MASS.—Lowell**

Clark, John A.....D

**MASS.—West Acton**

Hall Bros. (Pails).....B

**MASS.—Winchendon**

Clark, Wilder P. (Candy; Lard; Fish &amp; Jelly Pails; Oyster Tubs).....A

Murdock &amp; Co., E.....B

Woodcock Mills (Candy; Lard; Fish &amp; Jelly Pails; Oyster Tubs) .....A

**MICH.—Bay City**

Bousfield &amp; Co. ....A

**MICH.—Bellaire**

Richardi &amp; Bechtold...B

Richardi, H. ....B

**MICH.—Cadillac**

Cummer Mfg. Co.....D

**MICH.—Copemish**

Chapman &amp; Sargent Co. . (Bowls) .....D

**MICH.—Crystal Falls**

Crystal Falls Woodenware Co. ....C

**MICH.—Decatur**

Hinkley &amp; Co., Robt. (Measures) .....D

**MICH.—Escanaba**

Escanaba Woodenware Co. (Clothes Pins; Broom Handles; Dishes, etc.)A

Nat'l Cooperage &amp; Woodenware Co. ....AA

**MICH.—Frankfort**

East Shore Woodenware Co. ....B

**MICH.—Grand Haven**

Kilbourn &amp; Co., Silas (Fish &amp; Syr. Pk'gs) .....AA

**MICH.—Grand Rapids**

Mich. Barrel Co. (Measures) .....A

**MICH.—Kalkaska**

Freeman Mfg. Co.....C

**MICH.—Ludington**

Ludington Woodenware Co. C

**MICH.—Petoskey**

Lovelace &amp; Birkett.....A

**MICH.—Saginaw**

Palmerton Woodenware Co., F. G.....AA

Saginaw Mfg. Co.....A

**MICH.—St. Joseph**

Colby Hinkley Co. (Br.) (Fr. Pack.) .....B

Ward Kent Co. (Br.) (Fr. Boxes) .....A

**MICH.—South Haven**

Pierce-Williams Co. (Fr. Pkgs.) .....C

**MICH.—Traverse City**

Oval Wood Dish Co. (Dishes) .....B

Weils-Higman Co. (Br.) (Fr. Pkgs.) .....A

**MICH.—West Bay City**

Beutal Cooperage &amp; Woodenware Co. ....B

**MINN.—Minneapolis**

Bousfield Woodenware Co. A

Donaldson Co., Wm., Nicollet Av., S. E. Cor. 6th AA

McVoy Tub, Pail &amp; Package Co., 11th Av. &amp; Water, N. E. (Mfrs. Tubs; Pails, etc.) .....C

**MO.—Chillicothe**

Jackson Woodenware Co., T. E. ....D

**MO.—Kansas City**

Jackson Woodenware Co., T. E., Bd. Trade Bldg. D

**WOODENWARE (Con.)****MO.—St. Louis**

Crunden-Martin Woodenware Co., 309 So. Main A

Cupples Woodenware Co., S. ....AAAA

St. Louis Woodenware Wks., Ft. St. George AA

**N. H.—East Jaffrey**

Annett Mfg. Co.....C

**N. H.—Enfield**

Bradford, J. (Agt.).....C

Wilson, Wm. ....D

**N. H.—Keene**

Beaver Mills (Pails; Tubs; Pkgs.) .....A

Griffin &amp; Dana (Pails)....D

**N. H.—Marlboro Depot**

Fuller, L. A. ....D

**N. H.—Milford**

Pelice &amp; Co., W. E.....D

**N. H.—Nashua**

Nashua Novelty Wks....B

**N. H.—Rindge**

Wellington, E. ....D

**N. H.—Troy**

Butterick &amp; Co., E. (Pails) .....D

Farrar, C. D. ....D

**N. H.—Westport**

Marsh, J. ....D

**N. H.—West Swanzey**

Whitcomb Mfg. Co.....B

**N. Y.—Albany**

Doran, J. J.....D

**N. Y.—Brooklyn**

Cooper &amp; McKee.....A

Lins &amp; Sons, H., 4 Wash. Av. Wallabout Mkt...A

**N. Y.—Buffalo**

Kirkholder &amp; Rausch, 165 Mich. ....C

**N. Y.—Conklingville**

Sumner, A. A.....AA

**N. Y.—Cuba**

Bates Mfg. Co., W. A. (Pails; Drelly) .....C

**N. Y.—French Mountain**

Reed &amp; Co., J.....D

**N. Y.—Harrisville**

Universal Woodenware Co. D

**N. Y.—Newark**

Arcadia Mfg. Co.....D

**New York City**

Barron &amp; Co., J. S., 202 W. B'way .....A

Cavanagh Bros. &amp; Knapp, 111 Reade .....C

Cordley &amp; Hayes, 172 Duane .....AAA

Cupples Woodenware Co., Sam'l. 359 G'wich.AAAA

Earley's Sons Co., J., 127 Reade .....A

Fink, D., 676 Hudson ..B

Goldberg, C. H. &amp; E. S., 114 Reade .....B

Jansen, Edward .....A

Kornahrens, H., 111 Murray .....B

Lane, L., 41 Harrison...B

Lovell Mfg. Co., 54 Warren .....AA

Mace &amp; Co., L. H., 111 E. Houston .....B

Saginaw Mfg. Co., (Br.) 44 Pey (Mfrs.).....A

Stokes &amp; Co., Wm., A., 30 Warren .....C

**N. Y.—Potsdam**

Thatcher &amp; Co., H. D. (Lard Pails &amp; Butter Pkgs.) .....A

**N. Y.—Saratoga Springs**

Gulltenan, M. ....C

**N. Y.—Sidney**

Sidney Novelty Co.....B

**N. Y.—Syracuse**

Thurwachter &amp; Sons, L. L. C

**N. Y.—Troy**

Warren &amp; Co., J. M.AAAA

**N. Y.—Waverly**

Amer. Basket &amp; Mfg. Co. A

**N. C.—Fayetteville**

Fayetteville Woodenware Co. ....C

**OHIO—Chagrin Falls**

Bullard &amp; March.....A

**OHIO—Cincinnati**

**WOODENWARE (Con.)**

Ault Woodenware Co., 6th & Carr (Mops) .....A  
 Curry Woodenware Co., 22 E. 2nd .....B  
**OHIO—Cleveland**  
 Am. Washboard Co., 1747 E. Mad. ....AA  
 Arnold Woodenware Co., 188 Water .....B  
**OHIO—Columbus**  
 Columbus Mdee Co. ....B  
 Tracy-Welks Co. ....A  
**OHIO—Conneaut**  
 Record Mfg. Co. (Butter Tubs) .....B  
**OHIO—Delta**  
 Oval Wood Dish Co. ....AA  
**OHIO—Mantua Station**  
 Hine & Cook (Palls) ....A  
**OHIO—Marysville**  
 Lentz & Sons, C. F. (B. Tubs) .....D  
**OHIO—Perryburg**  
 Chapman & Sargent Co. ..B  
**OHIO—Sidney**  
 Anderson & Carothers (Churns) .....C  
**OHIO—Toledo**  
 Amer. Woodenware Mfg. Co. ....D  
**OHIO—Wapakoneta**  
 Brown & Co., M. (Churns) .....A  
 Standard Churn Co. (Churn Mfrs.) .....A  
**ORE.—Portland**  
 Zan Bros. ....B  
**PA.—Allentown**  
 Grimley, J. M. ....B  
 Yeager & Co., L. H. ....AA  
 Ziegler & Co., A. J. ....B  
**PA.—Altoona**  
 Prutzman & Co., H. S. ..B  
**PA.—Bellaire**  
 Mickle, S. K. (Forks; Rakes) .....D  
**PA.—Bradford**  
 Union Dish Co. (Dishes; Toothpicks) .....D  
**PA.—Bristol**  
 Morgan & Co., A. (Washboards) .....D  
**PA.—Clearfield**  
 Clearfield Woodenware Co. ....D  
**PA.—Erie**  
 Erie Pail Factory (Ltd.) (Palls) .....B  
**PA.—Norristown**  
 Scheetz, Remondus .....A  
**PA.—Philadelphia**  
 Hammond & Son, J. T. ..B  
 Landis & Co., 420 Market .....A  
 Neeld & Co., W., 600 Market .....C  
**PA.—Pittsburg**  
 Knorr, W. L., 1108 Penn. Av. ....B  
**PA.—Port Allegheny**  
 Lav & Balcom Mfg. Co. (Butter Dishes) .....D  
**PA.—Scranton**  
 Brown, F. P. ....D  
**R. I.—Providence**  
 Morse, F. W. ....D  
**TENN.—Chattanooga**  
 Trotter Bros. ....A  
**TENN.—Nashville**  
 Weil Bros. ....D  
**VT.—Brandon**  
 Newton & Thompson Mfg. Co. ....B  
**VA.—Richmond**  
 Richmond Wood Wrkg Co. ....B  
 Richmond Cedar Works .....AAA  
**WASH.—Seattle**  
 Cooper & Levy .....B  
 Schwabacher Bros. & Co. (Inc.) .....AA  
 Seller & Co., M. ....B  
**WASH.—Spokane**  
 Meese & Co., G. ....D  
**WIS.—Berlin**  
 Luther & Co., H. ....D  
**WIS.—Dundas**  
 Dundas Woodenware Co. ....D  
**WIS.—Fond-du-Lac**  
 Rowen Mfg. Co. ....B

**WOODENWARE (Con.)**

**WIS.—Kiel**  
 Kiel Woodenware Co. ....O  
**WIS.—Menasha**  
 Menasha Woodenware Co. ....AA  
**WIS.—Milwaukee**  
 Hoch & Loeber Co., 121 Clybourn .....B  
**WIS.—Sheboygan**  
 Dillingham Mfg. Co. ....A  
**WIS.—Two Rivers**  
 Two Rivers Mfg. Co. ....AA

**WOODWORK: BUILDERS**

**ALA.—Birmingham**  
 Brewer, W. P. (Door; Window Frames; Outside Blinds) .....A  
 Warrior Mfg. Co. (Sashes; Doors; Blinds) .....A  
**ALA.—Florence**  
 Florence Wagon Wrks. (Porch Columns) .....A  
**ARK.—Appleton**  
 Yow, R. F. (Casings) ....D  
**ARK.—Brinkley**  
 Brinkley Car Wks. & Mfg. Co. (Outside Blinds) D  
**ARK.—Lester**  
 Lester Mill Wrks. (Casings) .....A  
**ARK.—Little Rock**  
 Abeles & Co., C. T. (Sashes; Doors; Blinds) .....A  
**ARK.—Marianna**  
 L'Anguille Lumber Co. (Sashes; Doors; Blinds) A  
**ARK.—Pine Bluff**  
 Bluff City Lumber Co. (Sashes; Doors; Blinds) AAA  
**CAL.—Los Angeles**  
 Kerchoff-Cuzner Mill & Lumber Co. (Sashes; Doors; Blinds) ....AAA  
 Raphael Co., H. (Sashes; Doors; Blinds) ....AA  
 Smith, Jno. A. (Venetian Blinds) .....H  
**CAL.—Sacramento**  
 Friend & Terry Lumber Co. (Sashes; Doors; Blinds) A  
**CAL.—San Francisco**  
 California Door Co., 18 Drumm (Sashes; Doors; Blinds) .....AA  
 Hammond Lumber Co., Hayward Bldg. (Sashes; Doors; Blinds) .....A  
 Hinds & Co., Edw. B., 328 Howard (Inside Sliding Venetian Blinds) .....B  
 Scott & Van Arsdale Lumber Co. (Sashes; Doors; Blinds) .....AAAA  
 Sierra Lumber Co., 320 Sansome (Sashes; Doors; Blinds) .....A  
 Wilson & Bro., 22 Drumm (Sashes; Doors; Blinds) AA  
**CAL.—San Jose**  
 Chase Lumber Co., S. H. (Sashes; Doors; Blinds) A  
 Santa Clara Valley Mill & Lumber Co. (Sashes; Doors; Blinds) ....AA  
**CAL.—Santa Clara**  
 Pacific Mfg. Co. (Sashes; Doors; Blinds) ....AA  
**COLO.—Delta**  
 Stockham & Hillman Co. (Sashes; Doors; Blinds) A  
**COLO.—Denver**  
 Bingham & Co., H. W. (Sashes; Doors; Blinds) A  
 English Lumber Co., R. W. (Sashes; Doors; Blinds) A  
 Hallack & Howard Lumber Co. (Sashes; Doors; Blinds) .....AA  
 McPhee & McGinnity (Sashes; Doors; Blinds)



**WOODWORK (Con.)**

AAAA  
Sayre-Newton Lumber Co.  
(Sashes; Doors; Blinds) AAA  
COLO.—Pueblo  
Newton Lumber Co. (Out-  
side Blinds) .....AAAA  
CONN.—Bridgeport  
Miller Lumber Co. (Sashes;  
Doors; Blinds) ....AAA  
CONN.—New Britain  
Rogers & Co., D. N. (Hard-  
wood; Veneered Doors) A  
CONN.—Torrington  
Hotchkiss Bros. Co. (Sash-  
es; Doors; Blinds) ..AA  
CONN.—Waterbury  
Waterbury Lumber & Coal  
Co. (Sashes; Doors;  
Blinds) .....D  
DEL.—Wilmington  
Simmons & Bro., S. G.  
(Sashes; Doors; Blinds) A  
FLA.—Apalachicola  
Cypress Lumber Co. (Sash-  
es; Doors; Blinds) ...AA  
FLA.—Palatka  
Selden Cypress Door Co.  
(Sashes; Doors; Blinds) A  
GA.—Augusta  
Augusta Lumber Co. (Sash-  
es; Doors; Blinds) ....A  
Perkins Mfg. Co. (Sashes;  
Doors; Blinds) .....A  
GA.—Dalton  
Farrar Lumber Co. (Sashes;  
Doors; Blinds) .....A  
GA.—Gainesville  
Queen City Planing Mill Co.  
(Sashes; Doors; Blinds) A  
GA.—Macon  
Willingham Sash & Door Co.  
(Sashes; Doors; Blinds) A  
GA.—Savannah  
Bacon & Sons, A. S. (Sash-  
es; Doors; Blinds) ....A  
Southern Pine Co. (Sashes;  
Doors; Blinds) .....AAA  
GA.—Washington  
Washington Mfg. Co.  
(Sashes; Doors; Blinds) A  
IDAHO—Boise City  
Shaw Lumber Co. (Sashes;  
Doors; Blinds) .....A  
ILL.—Bellefonte  
Reis, M. & H. (Sashes;  
Doors; Blinds) .....A  
ILL.—Bloomington  
Harwood & Bro., W. S.  
(Sashes; Doors; Blinds) A  
ILL.—Blue Island  
Schmitt Bros. (Sashes;  
Doors; Blinds) .....A  
ILL.—Chicago  
California Mfg. Co., 922 S.  
Troy (Porch Columns) ..B  
Chicago Sash, Door & Blind  
Mfg. Co., 48 W. North A  
Chicago Veneered Door Co.,  
Chamber of Com. (Hard-  
wood; Veneered Doors) D  
Dodge & Co., H. B., 108 La  
Salle (Inside Sliding; Ve-  
netian Blinds) .....H  
Foster, Munger & Co., 20th  
& S. Sangamon (Inside  
Folding; Venetian Blinds;  
Porch Columns) .....A  
Gauger & Co., John A., 22d  
& Laflin (Sashes; Doors;  
Blinds; Porch Columns) AA  
Means & Co., Chas. H., 1113  
Belmont Av. (Sashes;  
Doors; Blinds) .....AA  
Morgan Sash & Door Co.,  
So. Union & W. 22d  
(Sashes; Doors; Blinds) A  
Nollau & Wolff Mfg. Co.,  
45 Fullerton (Sashes;  
Doors; Blinds) .....A  
Palmer, Fuller & Co., 2244  
Lumber (Sashes; Doors;  
Inside; Outside Folding

**WOODWORK (Con.)**

Blinds; Porch Columns) B  
Radford Sash & Door Co.,  
192 W. 22d (Sashes;  
Doors; Inside Folding  
Blinds) .....A  
Roberts & Co., E. L., W.  
22d & Union Pl. (Sashes;  
Doors; Inside; Outside  
Folding Blinds; Door;  
Window Frames; Porch  
Columns) .....A  
Schroth & Ahrens, 635 S.  
Halsted (Sashes; Doors;  
Blinds) .....A  
South Side Lumber Co., 22d  
& Ashland Av. (Sashes;  
Doors; Blinds) .....A  
True & True Co., Blue Is-  
land & Lincoln Aves.  
(Sashes; Doors; Blinds) A  
ILL.—East St. Louis  
Goedde & Co., B. (Sashes;  
Doors; Blinds) .....A  
ILL.—Galena  
Hoskins & Co., Wm. (Sash-  
es; Doors; Blinds) ....A  
ILL.—Jacksonville  
Andrews & Sons, R. P.  
(Sashes; Doors; Blinds) AA  
ILL.—Lagrange  
Lord Lumber Co. (Hard-  
wood; Veneered Doors) B  
ILL.—Mattoon  
Andrews Bros. (Sashes;  
Doors; Blinds) .....AA  
ILL.—Moline  
Dimock, Gould & Co.  
(Sashes; Doors; Blinds) AA  
ILL.—Peoria  
Cutright & Russell (Sashes;  
Doors; Blinds) .....A  
ILL.—Peru  
Zimmerman & Co., C.  
(Sashes; Doors; Blinds) A  
ILL.—Rock Island  
Rock Island Lumber & Mfg.  
Co. (Outside Blinds) AA  
Rock Island Sash & Door  
Wks. (Sashes; Doors;  
Blinds) .....AA  
ILL.—Springfield  
Vredenburg Lumber Co.  
(Sashes; Doors; Blinds) A  
IND.—Cicero  
Cicero Lumber Co. (Sashes;  
Doors; Blinds) .....A  
IND.—Fort Wayne  
Gilmartin, Edw. (Sashes;  
Doors; Blinds) .....A  
IND.—Goshen  
Goshen Sash & Door Co.  
(Sashes; Doors; Blinds) A  
I. X. L. & Goshen Pump Co.  
(Blinds, Hardwood; Ve-  
neered Doors) .....B  
IND.—Indianapolis  
Eldridge Lumber Co., E. H.  
(Hardwood; Veneered  
Doors) .....C  
Greer-Wilkinson Lumber Co.  
(Sashes; Doors; Blinds) AA  
Indianapolis Mfrs. & Car-  
penters Union (Sashes;  
Doors; Blinds) .....A  
Michigan Lumber Co. (Sash-  
es; Doors; Blinds) ...AA  
IND.—Kokomo  
Armstrong-Landon Co.  
(Sashes; Blinds; Hard-  
wood; Veneered Doors) A  
IND.—Lafayette  
Biggs Pump Co., L. F.  
(Porch Columns) .....A  
Taylor Lumber Co., Hy.  
(Sashes; Doors; Blinds) A  
IND.—Seymour  
Carter-Travis Co. (Hard-  
wood; Veneered Doors) D  
IOWA—Burlington  
Gilbert-Hedge Lumber Co.

**WOODWORK (Con.)**

(Sashes; Doors; Blinds) A

**IOWA—Carroll**

Joyce Co., W. T. (Sashes; Doors; Blinds) .....A

**IOWA—Cedar Rapids**Harris & Cole Bros. (Porch Columns) .....AA  
Williams & Hunting Co. (Outside Blinds) .....B**IOWA—Clinton**

Curtis Bros. &amp; Co. (Inside Sliding Blinds; Sashes; Doors; Columns) .....AA

**IOWA—Council Bluffs**

Hoagland, Geo. A. (Sashes; Doors; Blinds) .....AA

**IOWA—Davenport**McClelland Co. (Sashes; Doors; Blinds) .....A  
Roberts Co., U. N. (Sashes; Doors; Blinds) .....AA**IOWA—Dubuque**Carr, Ryder & Adams Co. (Sashes; Doors; Blinds) AA  
Farley & Loetcher Mfg. Co. (Outside Blinds; Hardwood; Veneered Doors; Sashes) .....AA**IOWA—Fort Madison**

Atlee, S. &amp; J. C. (Sashes; Blinds; Doors) .....AAA

**OHIO—Independence**

Independence Lumber Co. (Sashes; Doors; Blinds) A

**IOWA—Lyons**

Disbrow &amp; Co., M. A. (Sashes; Hardwood; Veneered Doors; Blinds) ..A

**IOWA—Muscatine**

Huttig Mfg. Co. (Sashes; Hardwood; Veneered Doors; Outside Blinds) AA

Roach &amp; Musser Sash &amp; Door Co. (Sashes Hardwood; Veneered Doors; Blinds) .....AAA

**IOWA—Sioux City**

Queal &amp; Co., J. H. (Sashes; Doors; Blinds) .....AAA

**IOWA—Spencer**

Floete Lumber Co. (Sashes; Doors; Blinds) .....A

**IOWA—Waterloo**

Nauman Co. (Sashes; Doors; Blinds) .....A

**KANS.—Atchison**

Carlisle-Pennel Lumber Co. (Sashes; Doors; Blinds) A

**KANS.—Independence**

Rock Island Lumber &amp; Mfg. Co. (Sashes; Doors; Blinds) .....AA

**KANS.—Kansas City**Badger Lumber Co. (Sashes; Doors; Blinds) .....AAA  
Byrne Lumber Co., John M. (Sashes; Doors; Blinds) A**KANS.—McPherson**

Lake Superior Lumber Co. (Sashes; Doors; Blinds) A

**KANS.—Parsons**

Clark &amp; Bates Lumber Co. (Sashes; Doors; Blinds) A

**KANS.—Wichita**

United Sash &amp; Door Co. (Sashes; Doors; Blinds) AA

**KY.—Louisville**

Bell &amp; Coggeshall Co. (Sashes; Doors; Blinds) A

Lortz &amp; Frey Planing Mill Co. (Hardwood; Veneered Doors) .....B

**KY.—Paducah**

Langstaff-Orm Mfg. Co. (Sashes; Doors; Blinds) AA

**LA.—Franklin**

Hanson Lumber Co., Albert (Sashes; Doors; Blinds) AA

**LA.—Lutcher**

Lutcher &amp; Moore Cypress Lumber Co. (Sashes;

**WOODWORK (Con.)**

Hardwood; Veneered Doors; Blinds) .....AAAA

**LA.—New Iberia**

Iberia Cypress Co. (Sashes; Doors; Blinds) .....AA

**LA.—New Orleans**Berwick Lumber Co. (Sashes; Doors; Blinds) .....AA  
Lambow & Noel Lumber Co. (Sashes; Doors; Blinds) A

L'hote Lumber Mfg. Co. (Sashes; Doors; Blinds) AA

**LA.—Patterson**

Cypress Tank &amp; Mfg. Co. (Hardwood; Veneered Doors; Porch Columns) B

Trellue Cypress Lumber Co. (Sashes; Doors; Blinds) AA

**LA.—Ramos**

Ramos Lumber &amp; Mfg. Co. (Ltd.) (Outside Blinds; Door; Window Frames) AA

**LA.—Shreveport**

Victoria Lumber Co. (Sashes; Doors; Blinds) .....A

**MAINE—Augusta**

Lawrence, Newhall &amp; Page Co. (Sashes; Doors; Blinds; Porch Columns) AA

**MAINE—Bangor**

Morse &amp; Co. (Sashes; Doors; Blinds) .....A

**MAINE—Belfast**

Matthews Bros. (Blinds). B

**MAINE—Portland**Berlin Mills Co. (Sashes; Doors; Blinds) .....AAAA  
Burrows Co., E. T. (Car; Train Blinds) .....AA**MD.—Baltimore**Baltimore Blind Co., 18 W. Camden (Outside Venetian Blinds) .....F  
Baltimore Sash & Door Co., (Sashes; Doors; Blinds) A

Duker &amp; Co., Otto (Sashes; Doors; Blinds) .....AA

Hiss Co., Philip (Inside Blinds) .....X  
Sloan & Bro., Geo. F. (Sashes; Doors; Blinds) A**MD.—Havre de Grave**

Dubois, John E. (Sashes; Doors; Blinds) .....AAAA

**MASS.—Athol**

Tyler, Arthur F. (Outside; Inside; Venetian Blinds; Door; Window Frames) C

**MASS.—Boston**

Carlisle, E. A. &amp; Pope Co., 2 Sudbury (Sashes; Doors; Blinds) .....A

Cypress Lumber Co., 153 Milk (Sashes; Hardwood; Veneered Doors; Blinds) AA

Hastings &amp; Co., A. W., 142 Friend (Sashes; Doors; Blinds) .....A

Stearns Lumber Co., A. T., 166 Devonshire (Sashes; Hardwood; Veneered Doors; Blinds; Capitals; Porch Columns) .....AA

MASS.—Fall River  
Borden Cook & Co. (Sashes; Doors; Blinds) .....AMASS.—Holyoke  
Merrick Lumber Co. (Sashes; Doors; Blinds) AMASS.—Lawrence  
Briggs & Allyn Mfg. Co. (Sashes; Doors; Blinds) A

Lawrence Lumber Co. (Sashes; Doors; Blinds) A

MASS.—Lynn  
Brockway - Smith Corp. (Sashes; Doors; Blinds) AMASS.—So. Hadley  
Howard, Gaylord & Co.

**WOODWORK (Con.)**

(Sashes; Doors; Blinds)

A

**MASS.—Springfield**

Walker &amp; Co., T. M. (Sashes; Doors; Blinds) ...AA

**MASS.—Taunton**

Taunton Lumber Co. (Sashes; Doors; Blinds) ...AA

Williams &amp; Co., A. G. (Sashes; Doors; Blinds)

A

**MASS.—Worcester**

Rice &amp; Griffin Mfg. Co. (Hardwood; Veneered Doors) .....C

**MICH.—Bay City**

Lamont, Matthew (Hardwood Veneered Doors) ..B

**MICH.—Calumet**

Armstrong-Thielman Lumber Co. (Sashes; Doors; Blinds) .....A

**MICH.—Detroit**

Heubner Mfg. Co. (Hardwood; Veneered Doors)

D

Kotcher, C. W. (Sashes; Doors; Blinds) .....AA

Sibley Lumber Co., F. M. (Sashes; Doors; Blinds)

A

Vinton Co. (Sashes; Doors; Blinds) .....A

Weber &amp; Co., J. F. (Sashes; Doors; Blinds) .....AA

**MICH.—Grand Rapids**

Fuller &amp; Rice Lumber &amp; Mfg. Co. (Sashes; Doors; Blinds) .....AA

Ocker &amp; Ford Mfg. Co. (Hardwood; Veneered Doors) .....B

**MICH.—Kalamazoo**

Dewing &amp; Sons (Sashes; Doors; Blinds; Porch Columns) .....AAA

Kalamazoo Interior Finish Co. (Hardwood; Veneered Doors) .....C

**MICH.—Lansing**

Rikered Lumber Co. (Hardwood; Veneered Doors)

D

**MICH.—Lapeer**

Tuttle &amp; Burritt (Hardwood; Veneered Doors)

F

**MICH.—Manistique**

Western Lumber Co. (Sashes; Doors; Blinds) ..AA

**MICH.—Marquette**

Read &amp; Co., F. W. (Sashes; Doors; Blinds) .....AA

**MICH.—Marysville**

Mills, N. &amp; B. (Sashes; Doors; Blinds) .....A

**MICH.—Muskegon**

Gray Mfg. Co. (Hardwood; Veneered Doors) .....C

McGraft &amp; Son (Sashes; Doors; Blinds) .....A

Mann-Watson Co. (Porch Columns) .....AAA

**MICH.—Newaygo**

Kennicott, Edw. (Moulded Base Boards; Porch Balusters) .....D

**MICH.—Saginaw**

Avery &amp; Co. (Sashes; Doors; Blinds) .....AAA

Bliss &amp; Van Aiken (Sashes; Doors; Blinds) .....AAA

Booth &amp; Boyd Lumber Co. (Sashes; Doors; Blinds)

A

Mershon Co., Wm. B. (Sashes; Doors; Blinds)

A

Schuette &amp; Co., Wm. (Sashes; Doors; Blinds) ...AA

**MICH.—St. Joseph**

Compound Door Co. (Hardwood; Veneered)

B

**MINN.—Cloquet**

Northern Lumber Co. (Sashes; Doors; Blinds)

AAAA

**MINN.—Duluth**

Scott-Graff Lumber Co. (Sashes; Doors; Blinds)

AA

**MINN.—Minneapolis**

Bardwell-Robinson Co.

C

**WOODWORK (Con.)**

(Sashes; Doors; Outside Blinds) .....AA

Curtis &amp; Yale Co. (Sashes; Doors; Blinds) .....AA

Fulton &amp; Libbey Co. (Sashes; Doors; Blinds) ...AA

Nelson-Tuthill Lumber Co. (Sashes; Doors; Blinds)

AA

Smith &amp; Wyman (Sashes; Doors; Outside Blinds; Door; Window Frames)

AA

Wabash Screen Door Co. (Sashes; Doors; Blinds)

AA

MINN.—St. Paul

Brooks Bros. (Sashes; Doors; Blinds) .....AAAA

McGraft &amp; Son (Porch Columns) .....A

Osgood &amp; Blodgett (Sashes; Doors; Blinds) .....A

St. Croix Lumber Co. (Sashes; Doors; Blinds)

AAA

MINN.—Stillwater

Stillwater Mfg. Co. (Sashes; Doors; Blinds) .....A

MINN.—Thief River Falls

Thief River Falls Lumber Co. (Sashes; Doors; Blinds) .....AAA

MINN.—Winona

Empire Lumber Co. (Sashes; Blinds; Doors) .....A

Laird-Norton Co. (Sashes; Doors; Outside Blinds)

AAAA

Schrott &amp; Ahrens Co. (Sashes; Doors; Blinds) .....A

Winona Lumber Co. (Sashes; Doors; Blinds) ...AA

MISS.—Jackson

Enoch's Lumber &amp; Mfg. Co. (Sashes; Doors; Blinds)

A

MO.—Kansas City

Roach &amp; Klenzie Sash &amp; Door Co. (Sashes; Doors; Blinds) .....A

Western Sash &amp; Door Co. (Sashes; Doors; Blinds)

A

MO.—St. Joseph

Huttig-Moss Mfg. Co. (Sashes; Hardwood; Veneered Doors; Blinds) AA

MO.—St. Louis

Crescent Planing Mills Co. (Sashes; Doors; Blinds) A

Fox Bros. Mfg. Co. (Sashes; Doors; Blinds) .....A

Frye Mfg. Co., Wm. T. (Sashes; Doors; Blinds)

AA

Ganahl Lumber Co., J. J. (Sashes; Doors; Blinds) A

Gaus &amp; Sons Mfg. Co., Hy. (Sashes; Doors; Blinds) A

Hafner Mfg. Co. (Sashes; Doors; Inside; Outside Blinds) .....A

Huttig Sash &amp; Door Co. (Sashes; Doors; Outside Blinds) .....A

Mechanics Planing Mill Co. (Sashes; Hardwood; Veneered Doors; Blinds) ..A

Phoenix Planing Mill Co. (Sashes; Blinds; Columns; Doors) .....A

Riddle, Rehbein Mfg. Co. (Sashes; Doors; Blinds) A

St. Louis Sash &amp; Door Wks. (Sashes; Doors; Blinds) A

MONT.—Butte

Anaconda Copper Mining Co. (Sashes; Doors; Blinds)

AAAA

Big Black Foot Milling Co. (Sashes; Doors; Blinds)

AAA

Carroll Lumber Co., J. T. (Sashes; Doors; Blinds)

A

Western Lumber Co. (Sashes; Doors; Blinds)

AAA

NEBR.—Lincoln

Curtis &amp; Bartlett Co. (Sashes; Doors; Blinds; Porch Columns) .....A

**WOODWORK (Con.)**

Searle & Chapin Lumber Co.  
(Sashes; Doors; Blinds) A  
**NEBR.—Omaha**  
Bullard Hoagland & Bene-  
dict (Sashes; Doors;  
Blinds) .....AA  
Cady Lumber Co. (Sashes;  
Doors; Blinds) .....A  
Chicago Lumber Co.  
(Sashes; Doors; Blinds)  
.....AAA  
Dietz Lumber Co., C. N.  
(Sashes; Doors; Blinds)  
.....A  
Disbrow & Co., Inc., M. A.  
(Outside Blinds) .....A  
Hampton Lumber Co.  
(Sashes; Doors; Blinds)  
.....AA  
Watkins & Co., J. B., South  
Omaha (Sashes; Doors;  
Blinds) .....AA  
**NEV.—Verdi**  
Verdi Lumber Co. (Sashes;  
Doors; Blinds) .....AA  
**N. H.—Manchester**  
Head & Dowst Co. (Sashes;  
Doors; Blinds) .....A  
**N. H.—Nashua**  
Roby & Swart Mfg. Co.  
(Sashes; Doors; Blinds)  
.....A  
Tolles & Co., J. H. (Sashes;  
Doors; Blinds) .....A  
**N. J.—Asbury Park**  
Buchanan & Smock Lumber  
Co. (Sashes; Doors;  
Blinds) .....A  
**N. J.—Atlantic City**  
Somers Lumber Co. (Sashes;  
Doors; Blinds) .....A  
**N. J.—Bayonne**  
Booth & Bro., A. W.  
(Sashes; Doors; Blinds) A  
**N. J.—Camden**  
Coles & Co., C. B. (Sashes;  
Doors; Blinds) .....A  
**N. J.—Elizabeth**  
Heldritter, F. L. & A.  
(Sashes; Doors; Blinds)  
.....AA  
**N. J.—Newark**  
Hedden & Sons, V. J.  
(Sashes; Doors; Blinds)  
.....AA  
Schrafft, A. (Blinds; Door;  
Window Frames) .....C  
**N. J.—Paterson**  
New Jersey Blind Co. (In-  
side Sliding; Venetian  
Blinds) .....D  
**N. J.—Trenton**  
Leuckel & Co., A. K.  
(Sashes; Blinds; Doors) A  
**N. J.—Woodbury**  
Woodbury Mill & Lumber  
Co. (Hardware; Veneered  
Doors) .....C  
**N. Y.—Addison**  
Park, Winton & True  
(Sashes; Doors; Outside  
Blinds) .....A  
**N. Y.—Albany**  
Burton Co., Wm. H. (Hard-  
wood; Veneered Doors), D  
**N. Y.—Binghamton**  
Bartlett & Co. (Sashes;  
Doors; Blinds) .....AA  
Hobson & Son, A. (Hard-  
wood; Veneered Doors)  
.....AA  
Roberson & Son, A. (Inside;  
Outside; Sliding Blinds;  
Doors; Window Frames)  
.....AA  
**N. Y.—Brooklyn**  
Bossert & Son, Louis (Inside  
Sliding Blinds; Hardwood;  
Veneered Doors) .....AAAA  
Cropsey & Mitchell, Cropsey  
Av. & Bay 35th (Sashes;  
Doors; Blinds) .....AA  
Girard, Son & Co., G. H.,  
257 Greenpoint Av.  
(Sashes; Doors; Blinds)  
.....A  
Hardy, Voorhees & Co.,  
Met. Av. & Newton Creek  
(Sashes; Doors; Blinds)  
.....AA  
Loomis Co., John S., Baltic  
& Nevins (Sashes; Doors;  
Blinds) .....A

**WOODWORK (Con.)**

Meisel, Danowitz & Co., 55  
Eckford (Sashes; Doors;  
Blinds) .....A  
Orr & Co., J. C., 45 Java  
(Sashes; Doors; Blinds)  
.....AAAA  
White, Potter & Paige Mfg.  
Co., 415 Willoughby Av.  
(Sashes; Doors; Blinds)  
.....A  
**N. Y.—Buffalo**  
Boller & Sons, Chas.  
(Sashes; Doors; Outside  
Blinds) .....A  
Churchyard, Jos. J. (Blinds)  
.....X  
Dohn, Fisher & Beyer  
(Sashes; Doors; Blinds)  
.....AA  
Elias & Bro., G. (Sashes;  
Doors; Blinds) .....AA  
Hager & Sons Co., E. M.  
(Sashes; Doors; Blinds)  
.....A  
Henrichs Sons, Wm.  
(Sashes; Doors; Blinds)  
.....A  
Montgomery Bro. & Co.  
(Hardwood; Veneered  
Doors) .....AA  
**N. Y.—Cazenovia**  
Thayer Co., T. W. (Sashes;  
Doors; Blinds) .....A  
**N. Y.—Cohoes**  
Griffin, A. J. (Inside; Out-  
side Blinds) .....A  
**N. Y.—Corning**  
Drake & Co. (Sashes; Doors;  
Blinds) .....AA  
**N. Y.—Cornwall Landing**  
Mead & Taft (Sashes;  
Doors; Blinds) .....A  
**N. Y.—Elmira**  
Doane & Jones Lumber Co.  
(Sashes; Doors; Blinds;  
Porch Columns) .....A  
Spaulding & Co. (Sashes;  
Doors; Blinds) .....AA  
**N. Y.—Gloversville**  
Burr Bros. (Sashes; Doors;  
Blinds) .....A  
**N. Y.—Hornellsville**  
McConnell Mfg. Co. (Sashes;  
Hardwood; Veneered  
Doors; Inside; Outside  
Sliding Blinds; Window  
Frames) .....AA  
**N. Y.—Hudson**  
Traver & Son, W. H.  
(Sashes; Doors; Blinds)  
.....A  
**N. Y.—Jamestown**  
Watson Mfg. Co. (Inside  
Folding; Inside Sliding;  
Venetian Blinds) .....D  
**N. Y.—Kingston**  
Palens Sons, Hy. W.  
(Sashes; Doors; Blinds)  
.....A  
**N. Y.—Mechanicville**  
Orcutt & Co., J. B. (Sashes;  
Doors; Blinds) .....A  
**N. Y.—Middleport**  
Rowley & Eddy (Sashes;  
Doors; Blinds) .....A  
**N. Y.—Mt. Vernon**  
Hartmann Bros. Mfg. Co.  
(Exterior Columns) ....R  
**N. Y.—New Rochelle**  
Mahlstedt Lumber & Coal  
Co., J. A. (Sashes; Doors;  
Blinds) .....A  
**New York City**  
Carl, Jno. H., 510 1st Av.  
(Hardwood; Veneered  
Doors) .....D  
Currier Co., E. Bradley, 119  
W. 23d (Inside Folding;  
Inside Sliding Blinds;  
Hardwood; Veneered  
Doors) .....O  
Kertscher & Co., 13 Law-  
rence (Hardwood; Ven-  
eered Doors) .....A  
Morstatt & Son, 227 W. 29th  
(Inside Folding; Inside  
Sliding Blinds) .....A  
Nesbit Co., D. M., 116 Nas-  
sau (Sashes; Doors;  
Blinds) .....A  
Tide Water Bldg. Co., 517  
W. 30th (Sashes; Doors;

# WOODWORK (Con.)

Blinds) .....A  
 Wilson Mfg. Co., Jas. G., 3  
 W. 29th (Sashes; Doors;  
 Venetian Blinds) .....A  
**N. Y.—North Tonawanda**  
 Charlton, J. & F. (Sashes;  
 Doors; Blinds) .....AA  
 Thompson, Hubman & Fish-  
 er (Sashes; Doors; Blinds)  
 A  
**N. Y.—Patchogue**  
 Bailey & Sons, E. (Sashes;  
 Doors; Blinds) .....AAA  
**N. Y.—Poughkeepsie**  
 Lumb & Son, Geo. W.  
 (Sashes; Doors; Blinds)  
 AA  
**N. Y.—Rochester**  
 Ocurr & Rugg Co. (Sashes;  
 Doors; Blinds) .....AA  
**N. Y.—Roslyn**  
 Hicks & Co., Jno. D.  
 (Sashes; Doors; Blinds)  
 AA  
**N. Y.—Sandy Hill**  
 Griffin Lumber Co. (Sashes;  
 Doors; Blinds) .....A  
**N. Y.—Scheneectady**  
 Peckham, Wolf & Co.  
 (Sashes; Doors; Blinds)  
 A  
**N. Y.—Syracuse**  
 Merriam Mfg. Co. (Sashes;  
 Doors; Blinds) .....A  
**N. Y.—Utica**  
 Kellogg & Sons Co., Ohas.  
 C. (Sashes; Doors; Blinds)  
 AA  
**N. Y.—Whitesboro**  
 Denton & Waterbury  
 (Sashes; Doors; Blinds) A  
**N. C.—Charlotte**  
 Withers, B. F. (Sashes;  
 Doors; Blinds) .....A  
**N. C.—Giles**  
 Warlick Lumber Co. (Inside  
 Moulded) .....D  
**N. C.—High Point**  
 Snow Lumber Co. (Sashes;  
 Doors; Blinds) .....A  
**N. C.—Wilmington**  
 Fore & Foster Planing Mill  
 & Sash Blind Mfg. Co.  
 (Sashes; Doors; Blinds)  
 A  
**N. DAK.—Wahpeton**  
 McCulloch Lumber Co.  
 (Sashes; Doors; Blinds) A  
**OHIO—Akron**  
 Akron Lumber Co. (Sashes;  
 Doors; Blinds) .....A  
**OHIO—Alliance**  
 Weybrecht's Sons, J. F.  
 (Hardwood; Veneered  
 Doors; Porch Columns), B  
**OHIO—Bellaire**  
 Dubois & McCoy (Sashes;  
 Doors; Blinds) .....A  
**OHIO—Bellefontaine**  
 Leonard & Sons, A. (Sashes;  
 Doors; Blinds) .....A  
**OHIO—Bridgeport**  
 Scott Lumber Co. (Sashes;  
 Doors; Blinds) .....A  
**OHIO—Cadiz**  
 Long & Sons, E. M. (Sashes;  
 Doors; Blinds) .....A  
**OHIO—Cincinnati**  
 Boskin & Brechelt, 3408  
 Warsaw Av. (Sashes;  
 Doors; Blinds) .....A  
 Griffith & Son, Jas., Read-  
 ing Rd. (Sashes; Doors;  
 Blinds) .....A  
 Pease Co., Fredonia Av.  
 (Sashes; Hardwood; Ve-  
 neered Doors; Venetian  
 Blinds) .....A  
**OHIO—Cleveland**  
 Nahus, John, 181 Lake Av.  
 (Sashes; Doors; Blinds) A  
 National Box Co., 105 Jeff  
 (Porch Columns) .....B  
 Nicola Bros. Co., New Eng-  
 land Bldg. (Sashes;  
 Doors; Blinds) .....AA  
 Potter, Teare & Co., 7 Car-  
 ter (Sashes; Doors;  
 Blinds) .....AA  
 Saginaw Bay Co., 714 Sen-  
 eca (Sashes; Doors;  
 Blinds) .....AAA  
 Standard Door & Sash Co.

# WOODWORK (Con.)

200 Euclid Av. (Sashes;  
 Doors; Blinds) .....AAA  
 Teachout Co., A., 42 Mich  
 (Sashes; Doors; Blinds) A  
**OHIO—Columbus**  
 Hildreth & Martin Lumber  
 Co. (Sashes; Doors;  
 Blinds) .....A  
**OHIO—Dayton**  
 Dayton Lumber & Mfg. Co.  
 (Sashes; Doors; Blinds) A  
 Requarth Co., F. A.  
 (Blinds; Porch Columns)  
 B  
 Rouzer Co., John, 78 S.  
 Wyandot (Sashes; Doors;  
 Blinds) .....A  
**OHIO—Fostoria**  
 Eureka Planing & Lumber  
 Co. (Sashes; Doors;  
 Blinds) .....A  
**OHIO—Hamilton**  
 Bender Bros. & Co., J. F.  
 (Sashes; Doors; Blinds) A  
**OHIO—Hillsboro**  
 Enterprise Planing Mill Co.  
 (Hardwood; Veneered  
 Doors) .....B  
**OHIO—Ironton**  
 Ironton Wood Mantel Co.  
 (Hardwood; Veneered  
 Doors) .....E  
**OHIO—Kenton**  
 Callam Co., John (Sashes;  
 Doors; Blinds) .....A  
**OHIO—Mansfield**  
 Ford & Co., S. N. (Sashes;  
 Doors; Blinds) .....A  
**OHIO—Marietta**  
 Becker Mill Co. (Porch Col-  
 umns) .....A  
**OHIO—Massillon**  
 Brown Lumber Co. (Sashes;  
 Doors; Blinds) .....A  
**OHIO—Middletown**  
 Caldwell & Iseminger  
 (Hardwood; Veneered  
 Doors) .....B  
**OHIO—Norwalk**  
 Bostwick-Goodell Co. (Ven-  
 etian Blinds) .....C  
**OHIO—Sandusky**  
 Schoepffe Mfg. & Lumber  
 Co. (Sashes; Doors;  
 Blinds) .....A  
**OHIO—Toledo**  
 Maclaren, Sprague Lumber  
 Co. (Sashes; Doors;  
 Blinds) .....A  
 Spangler Co., Frank (Capit-  
 als; Columns) .....D  
**OHIO—Youngstown**  
 Heller Bros. Co., 346 S.  
 Phelps (Sashes; Doors;  
 Blinds) .....A  
**OHIO—Zanesville**  
 Herdman Door & Lumber  
 Co. (Sashes; Doors;  
 Blinds) .....A  
**OKLA. TER.—Oklahoma**  
 Oklahoma Sash & Door Co.  
 (Sashes; Doors; Blinds) A  
**ORE.—Mansfield**  
 Dean Lumber Co. (Sashes;  
 Doors; Blinds) .....AA  
**PA.—Beaver Falls**  
 Commercial Sash & Door Co.  
 (Sashes; Doors; Blinds)  
 AA  
**PA.—Bradford**  
 Tuna Mfg. Co. (Sashes;  
 Doors; Blinds) .....A  
**PA.—Brookville**  
 Van Leer Bros. (Hardwood;  
 Veneered Doors) .....B  
**PA.—Butler**  
 Purvis & Co., S. G. (Sashes;  
 Doors; Blinds) .....A  
**PA.—Darby**  
 Gotshall & Morgan (Sashes;  
 Doors; Blinds) .....A  
**PA.—Erie**  
 Carroll & Bro., Geo., ft.  
 French (Sashes; Doors;  
 Blinds) .....A  
 Constable Bros. Co., 5th &  
 Sassafras (Sashes; Doors;  
 Blind) .....A  
 Schlosser & Sons, David  
 (Sashes; Doors; Blinds)  
 AA  
 Shenk Co., Henry, 12th &  
 Sassafras (Sashes; Doors;

**WOODWORK (Con.)**

Blinds) .....AA  
**PA.—Johnstown**  
 Rose & Sons, W. J. (Sashes;  
 Doors; Blinds) .....A  
**PA.—Kane**  
 Kane Sliding Blind Co. (In-  
 side Sliding; Venetian  
 Blinds) .....E  
**PA.—Kittanning**  
 Heilman Bros. (Sashes;  
 Doors; Blinds) .....A  
**PA.—Knoxville**  
 Edgecomb's Sons, I. M.  
 (Sashes; Doors; Blinds) A  
**PA.—Lancaster**  
 Wohlsens & Son, Wm.  
 (Sashes; Doors; Blinds) A  
**PA.—Lewistown**  
 Nesbit Co., D. M. (Sashes;  
 Hardwood; Veneered  
 Doors; Blinds) .....A  
**PA.—Marietta**  
 Cassal & Son, A. N. (Sashes;  
 Doors; Blinds) .....A  
**PA.—New Bethlehem**  
 Andrew's Lumber Co., C. E.  
 (Sashes; Blinds; Doors) A  
**PA.—New Brighton**  
 Martsof Bros. (Sashes;  
 Doors; Blinds) .....A  
**PA.—Pen Argyl**  
 Fitzgerald, Speer & Co.  
 (Sashes; Doors; Blinds) A  
**PA.—Philadelphia**  
 Alcott-Ross Co., 2917 N.  
 Broad (Sashes; Hardwood;  
 Veneered Doors; Blinds)  
 A  
 Blatchley, Chas., Swanson &  
 Meadow (Porch Col-  
 umns) .....B  
 Hall Bros. & Wood, Lancas-  
 ter Av. & 54th (Sashes;  
 Doors; Blinds) .....B  
 Haney-White Co., 2730 N.  
 Broad (Sashes; Doors;  
 Blinds) .....A  
 Keeley & Sons, S. S., Myk.  
 (Sashes; Doors; Blinds) A  
**PA.—Pittsburg**  
 Commercial Sash & Door  
 (Sashes Doors Blinds)  
 AA  
 Miller & Sons, Wm. (Hard-  
 wood; Veneered Doors) A  
 Penna Door & Sash Co., 906  
 2d Av. (Sashes; Doors;  
 Blinds) .....A  
 Schuette & Co., Wm., Fer-  
 guson Blk. (Sashes;  
 Doors; Blinds) .....A  
**PA.—Pittston**  
 Dershiner & Griffin (Sashes;  
 Doors; Blinds) .....A  
 Patterson & Co., J. E.  
 (Sashes; Doors; Blinds) A  
**PA.—Ridgeway**  
 Hyde Murphy & Co.  
 (Sashes; Doors; Blinds;  
 Hardwood; Veneered  
 Doors) .....A  
**PA.—Rochester**  
 Miller & Sons Co., Wm.  
 (Sashes; Doors; Blinds) A  
**PA.—Scranton**  
 Peck Lumber Mfg. Co., 101  
 E. Mkt. (Sashes; Doors;  
 Blinds) .....A  
 Washburn, Williams & Co.  
 (Sashes; Doors; Blinds) A  
**PA.—Sharon**  
 Wallis & Carley (Sashes;  
 Doors; Blinds) .....A  
**PA.—Wilkesbarre**  
 Shepherd & Sons, W. H.  
 (Sashes; Doors; Blinds) A  
**PA.—Williamsport**  
 Brown, Clark & Co. (Sashes;  
 Doors; Blinds) .....AAA  
 Williamsport Planing Mill  
 Co. (Sashes; Blinds; Porch  
 Columns; Hardwood; Ve-  
 neered Doors) .....A  
**PA.—York**  
 Moss & Sons, Herman  
 (Sashes; Doors; Blinds) A  
**S. C.—Greenville**  
 Mallard Lumber Co. (Cas-  
 ings) .....O  
**S. C.—Spartanburg**  
 Morgan Iron Wks. (Blinds)  
 D

**WOODWORK (Con.)**

**TENN.—Chattanooga**  
 Central Mfg. Co. (Sashes;  
 Doors; Blinds) .....A  
 Loomis & Hart Mfg. Co.,  
 719 E. 9th (Sashes;  
 Doors; Blinds) .....AA  
**TENN.—Cookeville**  
 Dow, D. L. (Porch; Stair  
 Balusters) .....E  
**TENN.—Knoxville**  
 Rose & Co., D. M. (Sashes;  
 Doors; Blinds) .....A  
**TENN.—Memphis**  
 Cole Mfg. Co., 27 Hernando  
 (Sashes; Doors; Blinds)  
 AA  
 Moore & McFerren, Henry &  
 Wolf River (Sashes;  
 Doors; Blinds) .....AAAA  
 Williams & Co., 371 2d  
 (Sashes; Doors; Blinds) A  
**TENN.—Nashville**  
 Davidson-Benedict Co.  
 (Sashes; Doors; Blinds)  
 AA  
**TEXAS—Albany**  
 Rockwell Bros. & Co.  
 (Sashes; Doors; Blinds) A  
**TEXAS—Austin**  
 Malle & Co., 609 E. 6th  
 (Sashes; Doors; Blinds)  
 AA  
**TEXAS—Cleburne**  
 Conway-Leeper Co. (Sashes;  
 Doors; Blinds) .....A  
**TEXAS—Colorado**  
 Burton-Lingo Co. (Sashes;  
 Doors; Blinds) .....AA  
 Roe, A. J. (Sashes; Doors;  
 Blinds) .....A  
**TEXAS—Corpus Christi**  
 Sidbury, E. D. (Sashes;  
 Doors; Blinds) .....A  
**TEXAS—El Paso**  
 Bassett & Co., O. T.  
 (Sashes; Doors; Blinds) A  
**TEXAS—Ft. Worth**  
 Ripy & Irwin (Sashes;  
 Doors; Blinds) .....A  
 Waples-Painter Co. (Sashes;  
 Doors; Blinds) .....A  
**TEXAS—Galveston**  
 Moore & Goodman, 2827 Me-  
 chanic (Sashes; Doors;  
 Blinds) .....A  
 Smith & Bro., J. F., 2315  
 Strand (Sashes; Doors;  
 Blinds) .....A  
**TEXAS—Hallettsville**  
 Hill & Son, S. A. (Sashes;  
 Doors; Blinds) .....A  
**TEXAS—Houston**  
 Bering Mfg. Co. (Sashes;  
 Doors; Blinds) .....AA  
 House, Henry (Sashes;  
 Doors; Blinds) .....AA  
**TEXAS—Orange**  
 Miller, L. (Sashes; Doors;  
 Blinds) .....AA  
**TEXAS—San Antonio**  
 Steves & Son, Ed. (Sashes;  
 Doors; Blinds) .....A  
**TEXAS—Taylor**  
 Thompson, J. A. (Sashes;  
 Doors; Blinds) .....A  
**TEXAS—Waco**  
 Brazleton & Johnson  
 (Sashes; Doors; Blinds) A  
 Cameron & Co., Wm.  
 (Sashes; Doors; Blinds)  
 AAAA  
**UTAH—Salt Lake City**  
 Morrison, Merrill & Co.  
 (Sashes; Doors; Blinds) A  
**VT.—Burlington**  
 Booth, J. R. (Sashes;  
 Doors; Blinds) .....AAAA  
 Burlington Venetian Blind  
 Co. (Inside Sliding; Vene-  
 tian Blinds) .....B  
 Champlain Mfg. Co.  
 (Blinds) .....B  
 Mason & Co. (Hardwood &  
 Veneered Doors) .....B  
**VT.—Poultney**  
 Ripley Lumber Co. (Hard-  
 wood; Veneered Doors), O  
**VA.—Lynchburg**  
 Adams-Monroe Mfg. Co.  
 (Victoria Venetian  
 Blinds) .....O  
**VA.—Norfolk**  
 Nash & Sons, C. A. (Sashes;  
 Doors; Blinds) .....A

**WOODWORK (Con.)**

Doors; Blinds) .....A  
**VA.—Richmond**  
 Montague Mfg. Co., 400 S.  
 9th (Sashes; Doors;  
 Blinds) .....A  
 Sitterding-Carmel-Davis Co.,  
 8 E. Broad (Sashes;  
 Doors; Blinds) .....A  
 Stagg, Thos. E., 1444 E.  
 Main (Sashes; Doors;  
 Blinds) .....A  
 Whitehurst, W. J. (Outside  
 Blinds) .....B  
 Woodward & Son, 330 S.  
 9th (Sashes; Doors;  
 Blinds) .....A  
**WASH.—Bellingham**  
 Whatcomb Falls Mill Co.  
 (Red Cedar Doors) .....B  
 Wollaeger Mfg. Co. (Hard-  
 wood; Veneered Doors), A  
**WASH.—Everett**  
 Wheelahan - Weldauer Co.  
 (Porch Columns) .....B  
**WASH.—Seattle**  
 Stetson & Post Mill Co.  
 (Sashes; Doors; Blinds) A  
**WASH.—South Bend**  
 Kleeb Lumber Co. (Porch  
 Columns) .....B  
**WASH.—Spokane**  
 Washington Mill Co.  
 (Sashes; Doors; Blinds) A  
**WASH.—Tacoma**  
 Wheeler-Osgood Co., Tide  
 Flags (Sashes; Red Cedar  
 Doors; Blinds) .....AA  
**W. VA.—Berkeley Springs**  
 Crossfield, Wm. D. (Stair  
 Balusters) .....D  
**W. VA.—Clarksburg**  
 Williams & Davidson Co.  
 (Sashes; Doors; Blinds) A  
**W. VA.—Morgantown**  
 Morgantown Planing Mill  
 Co. (Sashes; Doors;  
 Blinds) .....A  
**W. VA.—Wheeling**  
 Chapman & Sons, W. H.  
 (Sashes; Doors; Blinds) A  
 Wilson & Sons, W. A.  
 (Sashes; Doors; Blinds) AA  
**WIS.—Eau Claire**  
 Shaw Lumber Co., Daniel  
 (Sashes; Doors; Blinds) AA  
**WIS.—Fond-du-Lac**  
 Moore & Galloway Lumber  
 Co. (Sashes; Doors;  
 Blinds) .....AA  
**WIS.—Hayward**  
 North Wisconsin Lumber  
 & Mfg. Co. (Sashes;  
 Doors; Blinds) .....AA  
**WIS.—La Crosse**  
 Colman Lumber Co., C. L.  
 (Sashes; Doors; Blinds) AAAA  
 Segelke & Kohlhaus Mfg.  
 Co. (Sashes; Doors;  
 Blinds) .....AA  
 Trow & Co., A. S. (Sashes;  
 Doors; Blinds) .....A  
**WIS.—Lake Geneva**  
 Wilbur Lumber Co. (Sashes;  
 Doors; Blinds) .....AA  
**WIS.—Madison**  
 Brittingham & Hixon Lum-  
 ber Co. (Sashes; Doors;  
 Blinds) .....AA  
**WIS.—Manauwa**  
 Little Wolf River Lumber  
 Co. (Sashes; Doors;  
 Blinds) .....A  
**WIS.—Merrill**  
 Wright Lumber Co., H. W.  
 (Sashes; Doors; Blinds) AA  
**WIS.—Milwaukee**  
 Cream City Sash & Door  
 Wrks., 7th Av. & Park  
 (Sashes; Doors; Blinds;  
 Porch Columns) .....AA  
 Poppert Mfg. Co., Geo.  
 (Sashes; Doors; Blinds) A  
 Rockwell Mfg. Co., Park &  
 6th Av. (Sashes; Doors;  
 Blinds; Porch Columns) AA  
 Wilbur Lumber Co., Pabst

**WOODWORK (Con.)**

Bldg. (Sashes; Doors;  
 Blinds) .....AA  
 Willer Mfg. Co., 313 Cedar  
 (Inside Folding; Inside  
 Sliding; Venetian Blinds) B  
**WIS.—New Richmond**  
 Willow River Lumber Co.  
 (Sashes; Doors; Blinds) A  
**WIS.—Oshkosh**  
 Foster, Lothman Mills  
 (Sashes; Doors; Blinds) AA  
 Gould Mfg. Co. (Sashes;  
 Doors; Outside Blinds) A  
 McMillen Co., R. (Sashes;  
 Doors; Blinds; Hardwood  
 Stair Ballusters) .....A  
 Morgan Co. (Sashes; Doors;  
 Inside Folding Blinds;  
 Porch Columns) .....AA  
 Paine Lumber Co. (Sashes;  
 Doors; Inside Folding;  
 Outside Blinds; Porch  
 Columns) .....AAAA  
 Radford Bros. & Co.  
 (Sashes; Doors; Outside  
 Blinds) .....B  
 Williamson & Libbey Lum-  
 ber Co. (Sashes; Doors;  
 Blinds) .....A  
**WIS.—Wausau**  
 Curtis & Yale Co. (Sashes;  
 Doors; Inside Sliding; Ve-  
 netian Blinds; Woodwork;  
 Carriage, etc.) .....A

## WOODWORK: CARRIAGE, WAGON, ETC.

**ALA.—Troy**  
 Henderson & Minchener  
 (Spokes) .....A  
**ARK.—Bradford**  
 Lee, W. J. Jr. (Hubs)...D  
**ARK.—Clarendon**  
 Galloway, J. B. ....D  
**ARK.—Fayetteville**  
 Fayetteville Wagon, Wood  
 & Lumber Co. ....B  
 Pitkin, Mayes & Co. ....C  
**ARK.—Marianna**  
 Marianna Spoke & Novelty  
 Wks. (Spokes) .....D  
**ARK.—Marvel**  
 McDonald Bros. & Co.  
 (Spokes) .....D  
**ARK.—Minturn**  
 Shirey, A. W. (Spokes)..B  
**ARK.—Red Star**  
 Red Star Spoke & Hub Co. D  
**CAL.—Sacramento**  
 Waterhouse & Lester (Wa-  
 gon Bodies; Spokes;  
 Hubs; Wheels) .....AA  
**CAL.—San Francisco**  
 Holt Bros. Co., 30 Main  
 (Bodies; Gears) .....A  
**CAL.—Stockton**  
 Holt Mfg. Co. (Bodies;  
 Wheels) .....A  
**CONN.—Bridgeport**  
 Wheel & Wood Bending  
 Co. (Wheels; Spokes;  
 Hubs; Bows; Shafts)..B  
**CONN.—Central Village**  
 Torrey Bros. Co. (Sleigh  
 Runners; Wheel Rims).D  
**CONN.—Clinton**  
 Kelsey, Horatio (Spokes).E  
**CONN.—Hartford**  
 Premier Mfg. Co. ....B  
**CONN.—Mt. Carmel**  
 Woodruff & Sons Co., Wal-  
 ter W. (Neck Yokes)..A  
**CONN.—South Coventry**  
 Armstrong & Sons, Henry  
 (Spokes; Hubs) .....E  
**CONN.—Stafford Springs**  
 Preble & Sons (Spokes)..E  
**GA.—Beach Hill**  
 Ivey, H. J. (Carriage Rim  
 Strips) .....E  
**GA.—Rome**  
 Towers & Sullivan Mfg. Co.  
 (Doubletrees) .....B

# WOODWORK (Con.)

**ILL.—Brookport**  
Leonard Co., F. B. (Poles; Whiffletrees; Singletrees; Neck Yokes; Gears; Stock & Sawn Felloes) ....E  
**ILL.—Carlsruhe**  
Patterson, J. S. (Hubs; Spokes) .....E  
**ILL.—Chicago**  
Houston & Curtis, Marquette Bldg. (Singletrees; Neck Yokes; Hubs; Rims; Spokes) .....A  
Humane Tug Post Co. (Patent Stiff Bar Pole)....E  
Kimbark & Co., S. D., 80 Mich. Av. (Bodies; Seats; Gears) .....AA  
**ILL.—Chicago Heights**  
Hartwell Bros. (Singletrees) .....B  
**ILL.—Edwardsville**  
Springer Bros. Mfg. Co. (Poles) .....D  
**ILL.—Forest City**  
Forest City Mfg. Co. (Wagon Beds) .....D  
**ILL.—Geneseo**  
Sargent & Son, B. F. (Cart Shafts) .....B  
**ILL.—Kishwaukee**  
Johnson, F. C. (Neck Yokes) .....B  
**ILL.—Lamaille**  
Hudson, O. D. (Spokes; Neck Yokes; Doubletrees; Singletrees) .....X  
**ILL.—Metropolis City**  
Metropolis Spoke Works (Spokes) .....D  
**ILL.—Moline**  
Mutual Wheel Co. (Wheels) .....A  
Wright Carriage Body Co. (Bodies) .....C  
**ILL.—Mt. Carmel**  
Votaw Co., A. (Spokes; Hub Blocks) .....D  
**ILL.—Rockford**  
Sovereign Co., C. E. (Neck Yokes) .....D  
**ILL.—Rock Island**  
National Neck Yoke Co. (Yokes) .....E  
**IND.—Anderson**  
Anderson Pole & Shaft Co. (Poles; Shafts) .....D  
Pioneer Pole & Shaft Co. (Poles; Shafts; Rims) AAAA  
**IND.—Auburn**  
Auburn Mfg. Co. (Seats; Bodies) .....D  
**IND.—Bedford**  
McLean Lumber Co. (Veneering) .....A  
**IND.—Connersville**  
Central Mfg. Co. (Bodies; Seats) .....D  
Rex Buggy Co. (Wheels) B  
**IND.—Elkhart**  
Kimbark Co., S. D. ....AA  
**IND.—Evansville**  
Von Behren Mfg. Co. ....D  
**IND.—Ft. Wayne**  
Baker, Killian (Gear Hounds) .....X  
Fort Wayne Spoke Co. (Spokes; Hubs; Singletrees) .....C  
Rastetter & Son, L. (Bows) C  
**IND.—Greensburg**  
Doles, E. E. (Wagon Spokes) .....E  
**IND.—Hoagland**  
Houser Bros. (Bows; Bent Wood) .....E  
**IND.—Huntington**  
Briant, W. T. (Spokes; Rims) .....E  
**IND.—Indianapolis**  
Automatic Grip Neck Yoke Co. ....C  
Backman, F. M. (In the Rough) .....B  
Gillett & Co., C. (Poles; Shafts; Rims; Bows; Gear Stock) .....D  
Hub Mfg. Co. (Spokes; Hubs) .....E

**WOODWORK (Con.)**  
Mainland Mfg. Co. (Rims; Spokes) .....B  
Standard Wheel Company (Wheels) .....AAA  
**IND.—La Porte**  
Niles & Scott Co. (Hubs; Wheels; Spokes, &c.)...O  
**IND.—Lebanon**  
Wilcox Bros. Mfg. Co. (Neck Yokes; Whiffletrees) .....E  
**IND.—Logansport**  
Howe, S. E. (Wagon Stock) A  
**IND.—Madison**  
Graham & Co., Thomas (Hubs; Spokes; Felloes) C  
Thomas, J. W. (Spokes).C  
**IND.—Marion**  
Cox & Price Bros. (Poles; Shafts) .....D  
Indiana Hub Block Co. (Hub Blocks) .....E  
Keystone Block Works (Elm Hub Blocks) ....B  
**IND.—Mitchell**  
Mitchell Spoke Wks. (Rim; Strips; Spokes; Spoke Belletts) .....AA  
**IND.—Muncie**  
Muncie Wheel & Jobbing Co. (Wheels; Spokes)...A  
Pioneer Pole & Shaft Co. (Shafts; Poles; Rims) AAAA  
Stratton Carriage Body Co. (Bodies; Gears) .....E  
**IND.—North Manchester**  
Browne & Co., J. A. (Wagon, &c.) .....D  
Townsend & Thompson Co. (Neck Yokes; Whiffletrees) .....E  
**IND.—North Vernon**  
Cone, J. D. (Spokes; Hub Blocks) .....C  
**IND.—Paoli**  
Stout & Bruner (Spokes).D  
**IND.—Portland**  
Bimel Co., F. (Spokes; Hubs) .....D  
**IND.—Salem**  
Crim, C. M. (Spokes; Poles) E  
**IND.—Scottsburg**  
Craig, J. B. (Spokes)....E  
Prosser, Lafayette (Hub Blocks) .....E  
**IND.—Seymour**  
Seymour Mfg. Co. (Spokes) B  
**IND.—Shelbyville**  
Frechtling & Morner (Hickory & Oak Felloes; Sleigh Runners; Bows) .....D  
**IND.—Sheridan**  
Higbee Buggy Co. (Woodwork) .....E  
Palmer, G. H. (In the Rough) .....C  
**IND.—South Bend**  
Stephenson Mfg. Co. (Seat Sticks; Rosettes) ....D  
**IND.—Spencer**  
Spencer Spoke & Hub Co. (Hubs; Spokes) .....D  
**IND.—Tell City**  
Obrecht Bros. Mfg. Co. (Hubs) .....D  
Tell City Hub Co. (Hubs; Tell City Planing Mill (Hub Blocks) .....E  
Tell City Spoke Company (Spokes) .....E  
**IND.—Terre Haute**  
Standard Wheel Co., 671 Ohio (Wheels) .....AAA  
**IND.—Union City**  
Carriage Canopy & Gear Wood Co. (Gears; Canopy Top Frames) .....E  
Union City Body Co. (Bodies; Gears) .....X  
Union City Wheel Company (Wheels; Rims) .....D  
**IND.—Upland**  
King & Teeter (Spokes)...E  
**IND.—Vincennes**  
Hartwell Bros. (Double-



# WOODWORK (Con:)

trees) .....B  
**IND.—Warsaw**  
 Lesh Mfg. Co., G. B.  
 (Wagon) .....D  
**IOWA—Burlington**  
 Buffington Wheel Company  
 (Wheels) .....C  
**IOWA—Glenwood**  
 Glenwood Mfg. Co. (Neck  
 Yokes) .....E  
**IOWA—Keokuk**  
 Mills, Ellsworth Co. (Poles;  
 Shafts) .....C  
**IOWA—Sioux City**  
 Sioux City Iron Co. (Wagon)  
 .....A  
**KANS.—Coffeyville**  
 Zeigler Neck Yoke Co.  
 (Neck Yokes) .....E  
**KANS.—Covington**  
 Ohio Scroll & Lumber Co.  
 (Body; Panels; Spindles)  
 .....D  
**KANS.—Dayton**  
 Bellevue Planing Mill Co.  
 (Bodies; Seats) .....D  
**KANS.—Hawesville**  
 Hawesville Hub & Mfg. Co.  
 (Wagon) .....E  
**KANS.—Hickman**  
 Hickman Wagon Company  
 (Spokes) .....A  
**KANS.—Hodgensville**  
 Hodgenville Spoke Mfg.  
 Co. (Spokes) .....E  
**KANS.—Kuttama**  
 Suwanee Spoke & Lumber  
 Co. (Spokes; Singletrees;  
 Neck Yokes) .....D  
**KANS.—Lebanon**  
 Royer Wheel Co. (Spokes;  
 Wheels; Singletrees) ..A  
**KY.—Louisville**  
 Fulton, Conway & Co.  
 (Hubs; Spokes) .....A  
 Louisville Spoke & Bending  
 Co. (Spokes; Shafts;  
 Rims; Poles) .....C  
 Turner, Day & Woolworth  
 Mfg. Co. (Neck Yokes;  
 Whiffletrees) .....AA  
 Von Behrens, Russell Co.  
 (Poles; Whiffletrees) ..D  
**KY.—Madisonville**  
 Buckeye Spoke Co. (Rims;  
 Spokes) .....B  
**KY.—Nicholasville**  
 Standard Wheel Co. (Wagon)  
 .....X  
**KY.—Owensboro**  
 Owensboro Wagon Co. (Hub  
 Spokes; Rims) .....A  
 Owensboro Wheel Company  
 (Wheels) .....B  
**KY.—Paducah**  
 Bell, E. E. (Spokes) ....E  
 Lack Singletree Co. (Neck  
 Yokes; Spokes; Singletrees)  
 .....C  
 Little, J. W. (Spokes) ...C  
**KY.—Scottsville**  
 Allen, J. W. (Spokes) ...C  
**KY.—Seven Hills**  
 Vollman Buggy Body Co.  
 (Bodies) .....E  
**KY.—Somerset**  
 Longworth Co., S. R.  
 (Spokes) .....E  
 Royer Wheel Co. (Spokes;  
 Wheels; Singletrees) ..A  
**KY.—Winchester**  
 Scobel-Williams Spoke Co.  
 (Wagons) .....E  
**MAINE—Foxcroft**  
 Ranger & Ayer Mfg. Co.  
 (Sleigh Panels; Dashes)  
 .....E  
**MAINE—Houlton**  
 Watson Co., John (Whiffletrees)  
 .....B  
**MAINE—Newport**  
 Cooper Bros. (Basswood  
 Panels) .....D  
**MAINE—Portland**  
 Bailey Carriage Co. (Bodies)  
 .....A  
 Stevens & Co., A. E.  
 (Hubs; Wheels, &c.) ...C  
**MAINE—W. Falmouth**  
 West Falmouth Mfg. Co.  
 (Wheel Stock) .....D

# WOODWORK (Con.)

**MD.—Baltimore**  
 Baltimore Hub Factory, 322  
 N. Holliday (Wheels;  
 Hubs; All Supplies) ...C  
 Stinson Mfg. Co., 327 North  
 (Wheels; Wheel Stock) .B  
**MD.—Frederick**  
 Frederick Wheel & Bending  
 Works (Wheels) ....D  
**MD.—Hagerstown**  
 Hagerstown Spoke & Bending  
 Co. (Spokes; Rims) .C  
 Pomeroy Bros. & Co.  
 (Spokes) .....B  
**MD.—Henderson**  
 Casho, W. H. (Rims) ...E  
**MD.—Wheel**  
 Hollingsworth Wheel Co.,  
 J. C. (Wheels) .....E  
**MASS.—Amesbury**  
 Bulley & Co., S. R. (Poles)  
 .....A  
 Biddle & Smart Co. (Bodies;  
 Gears) .....C  
 Briggs Carriage Co. (Bodies)  
 .....C  
 Carr, Prescott & Company  
 (Wheels) .....D  
 Carrier-Cameron Co. (Bodies;  
 Gears; Shafts; Poles)  
 .....C  
 Lane, John A. (Bodies) ...E  
 Lane, T. W. (Bodies) ...E  
 Leitch, J. N. (Bodies;  
 Gears) .....D  
 Lunt, Smith & Co. (Bodies;  
 Gears) .....E  
 Merrill, F. S. (Wheels) ..C  
 Miller Bros. (Bodies) ...E  
**MASS.—Ayer**  
 R. & C. Mfg. Co. (Rims) .E  
**MASS.—Boston**  
 Gillett & Sons, E. A., 230  
 Rutherford Av. (Bent  
 Stuff) .....A  
 Heywood Bros. & Wakefield  
 Co., 174 Portland (Rattan  
 Mouldings) ..AAAA  
 Reed Wheel Co., C. G., 90  
 Utica (Wagon) .....C  
 Wood Co., A. M., 51 Beverly  
 (Wagon) .....C  
**MASS.—Charlemon**  
 Payne, W. L. (Poles; Rims)  
 .....E  
**MASS.—Lawrence**  
 Archibald Wheel Company  
 (Wheels) .....B  
**MASS.—Lynn**  
 Perkins, I. W. (Bodies) .E  
**MASS.—Merrimac**  
 Carriage Wheel & Gear Co.  
 (Wagon) .....D  
**MASS.—Newburyport**  
 Sargent, L. W. (Bows) ..E  
**MASS.—Rowley**  
 Daniels, G. E. (Heavy  
 Wheels) .....E  
**MASS.—S. Framingham**  
 Eames & Co., A. M.  
 (Wheels) .....B  
**MASS.—Wakefield**  
 Heywood Bros. & Wakefield  
 Co. (Rattan Mouldings)  
 .....AAAA  
**MICH.—Detroit**  
 Michigan Auto. & Carriage  
 Body Co. (Bodies) ....G  
 Wheeler Mfg. Co. (Rattan  
 Seats) .....E  
 Wilson Body Co., C. R.  
 (Bodies; Gears) .....E  
**MICH.—Flint**  
 Flint Wagon Wks. (Wheels)  
 .....A  
 Imperial Wheel Co. ....C  
 Stewart Co., W. T. ....B  
**MICH.—Freeport**  
 Freeport Cutter Co. (Bodies)  
 .....E  
**MICH.—Grand Rapids**  
 Grand Rapids Veneer Wks.  
 (Carriage; Cutter Panels)  
 .....A  
 Mack, John (Bodies) .....X  
 Waddell Mfg. Co. (Carvings;  
 Mouldings) .....C  
**MICH.—Jackson**  
 Imperial Wheel Co. (Wagon)  
 .....D  
 Jackson Body Co. (Bodies)  
 .....D

**WOODWORK (Con.)**

National Wheel Company  
(Wheels) .....D  
**MICH.—Kalamazoo**  
 Standard Wheel Co. (Wagon) .....D  
**MICH.—Lansing**  
 Auto Body Co. (Bodies) ..E  
 Lansing Spoke Co. (Spokes; Rims) .....C  
**MICH.—Lowell**  
 Lowell Cutter Co. (Bodies; Gears; Seats) .....D  
**MICH.—Mt. Pleasant**  
 Mt. Pleasant Body Works (Bodies) .....X  
**MICH.—Otter Lake**  
 Otter Lake Body Works (Bodies) .....X  
**MICH.—Pontiac**  
 Beaudett & Co., O. J. (Bodies; Gear Parts) .....B  
 Pontiac Bending Company (Buggy Bows; Rims) ..E  
 Pontiac Body Co. (Bodies; Seats) .....D  
 Pontiac Wheel Co. (Wheels) .....C  
**MICH.—Traverse City**  
 Caldwell & Loudon (Bent Wood for Sleighs) ....C  
**MICH.—Union Home**  
 Post & Son, L. H. (Neck Yokes; Whiffletrees) ..E  
**MICH.—Wayne**  
 Prouty & Glass Carriage Co. (Wagons) .....B  
**MINN.—Red Wing**  
 Betcher Lumber Co., Chas. (All Kinds) .....B  
**MINN.—St. Paul**  
 Muckle Mfg. Co. (Bodies; Wheels) .....B  
 Nichols, Dean & Gregg (Spokes; Whiffletrees) .....AA  
**MINN.—Sauk Centre**  
 Ingram, James (Wagon Stock) .....E  
**MISS.—Batesville**  
 Batesville Mfg. Company (Spokes) .....E  
**MISS.—Clarksdale**  
 Reuter Mfg. Co. (Spokes) ..C  
**MISS.—Corinth**  
 Small Spoke Mfg. Company (Spokes) .....D  
 Wels & Lesh Mfg. Company (Spokes) .....D  
**MISS.—Durant**  
 Love Wagon Co. (Bodies; Poles) .....B  
**MISS.—Holcomb**  
 Beatty & Sons, L. A. (Spokes) .....E  
**MISS.—Ripley**  
 Small Spoke Mfg. Company (Spokes) .....D  
**MISS.—Shelby**  
 Poltevent, T. J. (Spokes) .....D  
 Standard Spoke Factory (Spokes) .....D  
**MISS.—Starkeville**  
 Dorsey & Co., H. Y. (Spokes) .....X  
**MISS.—Tupelo**  
 Small & McGuire Bros. (Spokes) .....B  
**MO.—Atlanta**  
 Holbeck, W. B. (Wood Axles) .....E  
**MO.—Brule**  
 Lee, Jr., W. J. (Hubs) ..C  
**MO.—Campbell**  
 Toledo Carriage Woodwork Co. ....E  
**MO.—Columbia**  
 Clinkenscale Spoke & Handle Co. (Spokes) ..F  
**MO.—De Soto**  
 De Soto Spoke & Hub Mfg. Co. ....D  
**MO.—Dexter**  
 Reuter Hub & Spoke Mfg. Co. ....B  
**MO.—Gallatin**  
 Knoxall Mfg. Co. (Neck Yokes) .....X  
**MO.—Hogan**  
 Lee, Jr., W. J. (Hubs) ..C  
 Walton Neck Yoke Center Co. (Neck Yokes) ....X

**WOODWORK (Con.)**

**MO.—Ironton**  
 Clark & Baldwin Mfg. Co. (Hubs; Spokes) .....C  
**MO.—Kansas City**  
 Rex Buggy Co. (Wheels; Gears) .....B  
**MO.—Kirksville**  
 Storm, J. (Est. of) ....E  
**MO.—Morehouse**  
 Hummelberger, Harrison Land & Lumber Co. (Spokes) .....AA  
**MO.—Piedmont**  
 McSpaden & Co., L. (Hubs) .....D  
**MO.—Poplar Bluff** ..  
 Bimel-Ashcroft Mfg. Co. (Spokes; Hubs) .....D  
**MO.—Portageville**  
 Mills, Ellsworth Co. (Poles; Shafts) .....B  
**MO.—Bedford**  
 Lee, Jr., W. J. (Hubs) ...C  
**MO.—St. Louis**  
 Forest Hardwood Mfg. Co. (Spokes; Bent Hounds; Rims; Wagon Stock) ...X  
 Hains Mfg. Co., L. G. (Wagon; Wood Stock) ..B  
 Keller & Tamm Mfg. Co. (Wood Stock) .....AA  
 Nixdorff-Krein Mfg. Co. (Wagon Singletrees) ..A  
 Oswald Woodwork Mfg. Co. (Bodies) .....E  
 Paddock-Hawley Iron Co. (Wood Stock) .....AA  
 Pioneer Pole & Shaft Co. (Poles; Shafts; Rims) .....AAAA  
 Powitzky & Collins Carriage Woodwork Co. (Bodies) .....A  
**N. H.—Bentwood**  
 Rowe's Sons, R. (Bodies; Gears; Wheels) .....E  
**N. H.—Concord**  
 Holt Bros. Mfg. Company (Wheels; Hubs, &c.) ...C  
**N. H.—Hampton**  
 Marston & True (Seat Spindles) .....E  
**N. H.—Henniker**  
 K. & C. Mfg. Co. (Rims) ..D  
**N. H.—Manchester**  
 McCrilles & Son, J. B. (Heavy Wheels) .....D  
 Piper Co., B. H. (Spokes) .....D  
**N. H.—Roby's Corner**  
 Redington, O. P. & C. W. (Hubs) .....D  
**N. J.—Delaware**  
 Hort, J. H. (Spokes; Rims; Singletrees) .....D  
**N. J.—Frenchtown**  
 Kerr & Co., L. S. D. (Wheels; Spokes; Rims) .....D  
**N. J.—German Valley**  
 Horton & Welsh (Hubs) ..D  
**N. J.—Hoboken**  
 Woodman, J. H., 15th & Clinton (Veneered Panels; Roofs; Sides; Backs) .....C  
**N. J.—Lambertville**  
 Lambertville Spoke Mfg. Co. (Spokes; Wheels; Hubs, &c.) .....A  
**N. J.—Newark**  
 Empire Gear & Top Co. (Gears) .....E  
 Jones & Co., P., 301 Market (Wheels; Spokes; Hubs, &c.) .....C  
 Union Wheel Works, 229 Bank (Wheels; Bodies, &c.) .....C  
**N. J.—New Orange**  
 American Veneer Company (Roofs; Sides) .....D  
**N. J.—Rahway**  
 Laforge, I. & J. (Wheels) .....D  
**N. J.—Trenton**  
 Slack, Wilbur (Wheels) ..D  
**N. J.—Troy Mills**  
 Smith, Geo. B. (Shafts; Rims) .....D  
**N. Y.—Avoca**  
 Avoca Wheel Co. (Wheels)

# WOODWORK (Con.)

**N. Y.—Batavia**  
Batavia Carriage Wheel Co.  
(Wheels; Hubs) .....C  
**N. Y.—Benson Mines**  
St. Lawrence Black Birch  
Hub Mfg. Co. (Hubs).....E  
**N. Y.—Brookport**  
Rochester Wheel Co. ....C  
**N. Y.—Brooklyn**  
American Rattan & Reed  
Mfg. Co. (Rattan Mould-  
ings; Woven Rattan Seat-  
ings) .....B  
Hill Mfg. Co. (Bodies)....X  
King Spring Co. (Bodies;  
Gears) .....C  
**N. Y.—Canandaigua**  
Garrett, W. (Spokes)....D  
**N. Y.—Cato**  
Cato Wagon Hub Mfg. Co.  
(Hubs) .....D  
**N. Y.—Cortland**  
Newton & Son, W. H. (Bod-  
ies; Spindle Seats)....C  
**N. Y.—Deposit**  
Kerr, Frank (Hubs; Hub  
Blocks) .....D  
**N. Y.—Dwaarhill**  
Bruyn, Wm. (Rims) ....E  
**N. Y.—Geneva**  
Catchpole, E. A. & L. G.  
(Wheel Stock) .....D  
**N. Y.—Glens Falls**  
Sawyer & Co., J. E. (Hubs;  
Spokes) .....D  
**N. Y.—Homer**  
Homer Wagon Co. (Wagon  
Gears) .....C  
**New York City**  
Bothner Hardwood Mould-  
ing Co. (Imitation Basket  
Work) .....D  
Crane & McMahon, 10  
Bridge (Bows; Wheels;  
Wheel Stock) .....A  
**N. Y.—Ogdensburg**  
Ogdensburg Hub & Spoke  
Co. (Hubs; Spokes) ...D  
**N. Y.—Oneida**  
Halliday, Chas. A. (Bod-  
ies; Seats) .....F  
Schubert Bros. Gear Co.  
(Bodies; Gears) .....B  
**N. Y.—Oriskany Falls**  
Hathaway, E. E. (Gears) F  
**N. Y.—Poughkeepsie**  
Chapinville Wheel Company  
(Neck Yokes; Whiffle-  
trees; Wheels) .....C  
**N. Y.—Rome**  
Fitch Gear Co. (Gears)..D  
**N. Y.—Saugerties**  
Russell, James (Spokes) .F  
**N. Y.—Shortsville**  
Shortsville Wheel Co.  
(Wheels; Hubs) .....B  
**N. Y.—Sidney**  
Phillips Carriage Co.  
(Poles) .....X  
**N. Y.—Syracuse**  
Central City Wheel Wks.  
(Wheels) .....C  
**N. Y.—Utica**  
Weston-Mott Co. (Artil-  
lery Wheels) .....B  
**N. Y.—Wawarsing**  
Hornbeck, J. C. (Rims;  
Bows) .....C  
**N. Y.—Welbon**  
Hawver, Geo. E. (Spokes) E  
**N. Y.—Weedsport**  
Walrath Co., A. (Spokes;  
Rim; Poles; Shafts;  
Singletree) .....D  
**N. Y.—Whitney Point**  
Birdsall, Waite & Perry  
Mfg. Co. (Adjustable  
Poles) .....C  
**N. C.—High Point**  
No. Carolina Wheel Co.  
(Wheels) .....D  
**N. C.—Silver City**  
Silver City Bending Co.  
(Wheel Stocks) .....E  
**N. C.—Thomasville**  
Thomasville Spoke Wks....C  
**OHIO—Akron**  
Akron Gear Co. (Gears)..A  
Frantz Body Mfg. Co.

# WOODWORK (Con.)

(Bodies) .....C  
National Gear Co. (Gear).X  
Pioneer Pole & Shaft Co.  
(Poles; Shafts; Rims)  
AAAA  
**OHIO—Alliance**  
Buckeye Spoke & Handle  
Factory (Spokes; Neck  
Yokes; Whiffletrees) ..D  
**OHIO—Archbold**  
Wetzel & Son (Hubs)....F  
**OHIO—Ashtabula**  
Ashtabula Carriage Bow  
Co. ....D  
Pioneer Pole & Shaft Co.  
(Shafts; Poles; Rims)  
AAAA  
**OHIO—Bellefontaine**  
Buckeye Carriage Body Co.  
(Bodies) .....D  
Miller & Co., A. J.  
(Bodies) .....D  
Ohio Carriage Co. (Bodies)  
D  
**OHIO—Botkins**  
Ohio Spoke & Bending Co.  
(Spokes; Rims) .....D  
**OHIO—Canfield**  
Canfield Mfg. & Nov. Co.  
(Neck Yokes; Whipple-  
trees; Doubletrees) ...D  
**OHIO—Canton**  
Pioneer Pole & Shaft Co.  
(Shafts; Poles; Rims)  
AAAA  
**OHIO—Cecil**  
Lambertville Spoke Mfg.  
Co. (Spokes) .....X  
**OHIO—Celina**  
Ames Buggy Bow Co.  
(Buggy Bows) .....E  
**OHIO—Chagrin Falls**  
Ober. Mfg. Co. (Poles;  
Shafts; Whiffletrees)..D  
**OHIO—Chatfield**  
Chatfield Bending Co.  
(Wheel Stock) .....D  
**OHIO—Chillicothe**  
Valler Mfg. Co. (Club  
Spokes) .....A  
**OHIO—Cincinnati**  
Amer. Pole & Shaft Co...D  
Buob & Schen (Neck  
Yokes) .....C  
Buschle & Wuest, 6 Bur-  
rows (Hubs) .....B  
Cinn. Panel Co., W. 8th  
(Bodies; Seats; Gears).C  
Conant & Co., E. W. 1102  
Oehler (Bodies; Gears)  
B  
Haberer & Co., Summer &  
Gest (Bodies; Gears;  
Seats) .....B  
Millcreek Wagon Co.  
(Bodies; Gears) .....C  
Ohio Seat Co. (Seats)....E  
Pioneer Pole & Shaft Co.  
(Poles; Shafts; Rims)  
AAAA  
Plettner & Schneider  
(Bodies; Stick Seats) ..X  
Royer Wheel Co., 628 W.  
3d (Wheels; Spokes; Sin-  
gletrees) .....A  
Queen City Wheel Co.  
(Rubber Tired Wheels)D  
**OHIO—Cleveland**  
Topliff Mfg. Co., J. N.  
(Bows) .....AA  
**OHIO—Collins**  
Union Bending Wks. (Neck  
Yokes; Whiffletrees;  
Wheel Stock) .....X  
**OHIO—Columbiana**  
Columbiana Handle Co.  
(Neck Yokes; Single-  
trees) .....B  
**OHIO—Columbus**  
Capital Bending Co. (Rims;  
Hounds) .....X  
Columbus Body & Seat Co.  
(Bodies; Seats) .....H  
Excelsior Seat Co. (Seats;  
Bodies) .....C  
Neil & Co., C. H. (Club  
Spokes) .....A  
Wildermuth Bending Co.  
(Rims; Spokes) .....D  
**OHIO—Crestline**  
Herman-Lininger Co.  
(Bodies) .....D

**WOODWORK (Con.)**

**OHIO—Dayton**  
Brown & Co., S. N. (Bows) E  
Finnes & Daniels Co. (Hubs; Spokes; Wheels) .....X  
Zwick & Greenmald Wheel Co. (Hubs; Spokes; Felloes; Wheels; Wheel Stock) .....A  
**OHIO—Defiance**  
Turnbull Wagon Co. (Spokes; Rims; Wheels) AA  
**OHIO—Delphos**  
Ohio Wheel Co. (Hubs; Hub Clocks; Spokes; Rims) .....E  
**OHIO—Erhart**  
Haurf. Jno. F. (Spokes; Rims) .....E  
**OHIO—Ft. Recovery**  
Reuter & Wilson (Hubs; Spokes) .....D  
**OHIO—Fostoria**  
Cunningham Mfg. Co. (Spokes; Bentwork)....B  
**OHIO—Fremont**  
West Wood Turning Co. (Neck Yokes; Singletrees) .....E  
**OHIO—Galion**  
Flickinger Wheel Co. (Wheels) .....A  
Weaver Bending Co. (Rims; Spokes) .....D  
**OHIO—Geneva**  
Genera Metal Wheel Co. (Gears) .....B  
**OHIO—Hagerman**  
Burns & Co., D. (Hubs; Spokes) .....X  
**OHIO—Hamilton**  
Donger & Co., J. (Hubs; Spokes; Felloes; Bows) C  
Hamilton Spoke & Hub Co. (Spokes; Hubs) .....D  
**OHIO—Haverhill**  
Folding Wagon Box Co..F  
**OHIO—Ironton**  
Deldrick, F. E. (Wheel Stock) .....X  
Ellert Bros. (Hubs; Wheels) .....E  
**OHIO—Logan**  
Plenk & White (Wheels; Spokes) .....X  
Snider-Miller Mfg. Co. (Bent Work) .....C  
**OHIO—Loramie**  
Wise, August (Spokes)..D  
**OHIO—Madison**  
Madison Wheel Co. (Wheels) .....D  
**OHIO—Mansfield**  
Union Fdry & Mach. Wks. (Wood Axles; Thimble; Skein Fitter) .....D  
**OHIO—Medina**  
Medina Bending Wks. ....E  
**OHIO—Miamisburg**  
Bookwalker Wheel Co. (Wheels) .....A  
Mitchell Wheel Co. (Wheels) .....A  
**OHIO—Monroeville**  
Yingling Bros. Co.....B  
**OHIO—Mt. Vernon**  
Standard Gear Wood Co. D  
**OHIO—Newton Falls**  
Newton Falls Mfg. Co. (Spokes; Neck Yokes).E  
**OHIO—Petersburg**  
Miller & Tailor (Spokes; Rims) .....E  
**OHIO—Piqua**  
Pioneer Pole & Shaft Co. (Poles; Shafts; Rims) AAAA  
**OHIO—Portsmouth**  
Portsmouth Rim & Spoke Co. ....C  
**OHIO—St. Marys**  
St. Marys Wheel & Spoke Co. (Hubs; Spokes; Rims; Wheels) .....A  
**OHIO—Sandusky**  
Woolsey Wheel Co. (Wheels) .....AA

**WOODWORK (Con.)**

**OHIO—Shanesville**  
Shanesville Woodworking Mfg. Co. (Neck Yokes; Whippletrees; Spokes)..E  
**OHIO—Sidney**  
Pioneer Pole & Shaft Co. AAAA  
**OHIO—South Zanesville**  
Kohlerd. F. F. (Spokes; Rims; Bent Hounds)..E  
**OHIO—Struthers**  
Cooper, Co., J. A. & D. P. (Gear Wood; Singletrees) D  
**OHIO—Tippecanoe City**  
Ford & Co. (Wheels)....B  
**OHIO—Toledo**  
Skinner Bending Co. J. M. (Bent Felloes; Hardwood Lumber, &c.) .....B  
Toledo Bending Co. (Shafts; Wheel Stock) .....B  
Toledo Carriage Woodwork Co. (Shafts; Wheel Stock) B  
**OHIO—Troy**  
Pioneer Pole & Shaft Co. (Shafts; Poles; Rims) AAAA  
**OHIO—Wapakoneta**  
Wapakoneta Bending Co. (ubs; Spokes) .....X  
Wapakoneta Wheel Co. (Wheels) .....C  
**OHIO—Waverly**  
Waverly Bent Wood Co..D  
**OHIO—Wellington**  
Pioneer Pole & Shaft Co. (Shafts; Poles; Rims) AAAA  
**OHIO—West Liberty**  
Dodson, E. (Wheel Stock) E  
**OHIO—Wilmington**  
Chancellor Bros. (Spokes; Rims) .....E  
**OHIO—Winchester**  
Winchester Lumber Co. (Spokes; Rims) .....D  
**OHIO—Zanesville**  
Kimble, H. J. (Rims; Hounds) .....D  
**PA.—Allentown**  
Allentown Platform Co. (Wagon Gears) .....B  
**PA.—Boyertown**  
Hartman, F. H. (Bodies; Gears) .....E  
**PA.—Bradford**  
American Wood Rim Co. (Rims for Auto Wheels) A  
Bradford Body Co. (Bodies) X  
Brown-Ensor Mfg. Co. (Bodies) .....E  
**PA.—Carlisle**  
Carlisle Body & Gear Wks. ....D  
**PA.—Carverton**  
Heft & Bro., M. J. (Wagon Stock) .....D  
**PA.—Cogan Station**  
Rovee, Sm'l B. (Hubs)...E  
**PA.—Coopersburg**  
Coopersburg Bending Wks. (Rims; Bows) .....E  
**PA.—Doylestown**  
Worshall & Carl Spoke & Wheel Co. ....D  
**PA.—Effort**  
Shupp, Simon (Spokes)...E  
**PA.—Elmsport**  
Bailey & Co., C. (Hubs; Spokes) .....E  
**PA.—Erie**  
Erie Steam Bending Wks. D  
Reno Mfg. Co. (Neck Yokes) .....E  
**PA.—Hanover**  
Hanover Bending Co. (Bows; Rims; Reaches) D  
**PA.—Jordan**  
Rausch, Handwerk & Co. (Wheels & Wheel Stock) D  
**PA.—Kauffman**  
Fuss, J. C. (Spokes)....F  
**PA.—Lancaster**  
Downey Bros. Spoke &

**WOODWORK (Con.)**  
 Bending Co. (Wheels; Wheel Stock; Poles; Shafts; Gear Stock, &c.) C  
 Leibel & Son, P. (Wheels; Wheel Stock; Poles; Shafts; Whippetrees; Neck Yokes)....A  
**PA.—Marienville**  
 Bell, I. Scott (Hubs)....D  
**PA.—Mechanicsburg**  
 Eberly & Orris (Wheels; Wheel Stock).....C  
 Koller & Co., J. B. (Spokes; Rims; Hubs)....C  
 Seidle, F. (Wheels; Wheel Stock).....C  
**PA.—Milford**  
 Klaer, Jacob (Spokes; Hubs).....D  
**PA.—Millville**  
 Eves & Co., J. (Hubs; Bending).....C  
**PA.—Muddy Creek Forks**  
 Fulton, C. S. M. (Spokes) C  
**PA.—Newville**  
 Derrick & Hursh (Spokes; Wheel).....E  
**PA.—North Water Gap**  
 Hill & Piper (Spokes)....X  
**PA.—Oil City**  
 Eagle Spoke Wks. ....D  
**PA.—Ottawa**  
 Ott & Sons (Spokes)....D  
**PA.—Perkasie**  
 Moyer, Jos. G. (Felloes).D  
**PA.—Philadelphia**  
 Buckley, Hub, Spoke & Wheel Co. ....D  
 Scott & Co., Chas. (Wheels).....AA  
 Schwartz Patent Wheel Co. X  
**PA.—Picture Rocks**  
 Little & Co., J. P. (Bent Wood).....E  
**PA.—Quakertown**  
 Landis & Bro., S. H. (Hubs; Spokes).....E  
**PA.—Reading**  
 Keystone Wagon Wks. (Bodies; Wagon Gears).B  
 Leippe's Sons, J. A. (Shafts; Rims).....B  
**PA.—Souderton**  
 Souder, Wm. (Spokes; Rims, &c.).....C  
**PA.—Tidionte**  
 Martin, Joseph (Hubs)...E  
**PA.—Titusville**  
 Titusville Handle Co. (Whippetrees; Neck Yokes).....A  
**PA.—Warren**  
 Peterson, Samuel (Spokes; Neck Yokes; Whippetrees).....A  
**PA.—West Chester**  
 Hoopes Bro. & Darlington (Inc.) (Wheels; Hubs; Spokes; Rims).....B  
**PA.—York**  
 Eberly Wheel Wks. (Wheels; Hubs).....C  
 Eureka Bending & Wheel Wks. (Rims; Spokes; Wheels).....D  
 Ness Bros. & Co. (Wheels) X  
 Smith, Erwin & Co. (Rims; Spokes).....D  
 York Wagon Gear Co. (Bodies; Gear).....D  
**E. I.—Providence**  
 Kilner, Geo. T. (Hubs)...E  
**S. C.—Darlington**  
 Carolina Spoke & Bending Co. (Spokes).....X  
**TENN.—Algood**  
 Pennock & Walters Mfg. Co. (Spokes).....E  
**TENN.—Barnville**  
 Garrett, J. W. (Hubs)...X  
**TENN.—Bristol**  
 Beveridge & Taylor (Spokes).....C  
**TENN.—Brownsville**  
 Chattanooga Washing Machine & Mfg. Co. (Single; Doubletrees).....B

**WOODWORK (Con.)**  
 Hatchie Mfg. Co. (Spokes) E  
**TENN.—Dresden**  
 Dresden Spoke Co. (Spokes) D  
**TENN.—Dyersburg**  
 Imperial Wheel Co. (Wheel Stock).....AA  
 Tennessee Spoke Co. (Spokes).....C  
 Wernier Spoke Co. (Spokes; Neck Yokes; Singletrees) E  
**TENN.—Gallatin**  
 Gallatin Spoke Wks. ....E  
**TENN.—Greenfield**  
 Ward & Brasfield (Spokes) E  
**TENN.—Humboldt**  
 Foltz, Frank (Spokes)...F  
**TENN.—Jackson**  
 Wels & Lesh Mfg. Co. (Spokes).....AAA  
**TENN.—Manchester**  
 Manchester Mfg. Co. (Spokes; Rims).....B  
**TENN.—McMinnville**  
 Burroughs-Ross-Colville Co. (Spokes; Yokes; Cross Bars, &c.).....C  
 Elkins, McClarty & Co. (Spokes).....D  
**TENN.—Memphis**  
 Memphis Rim & Bow Co. (Bows; Rims; Hounds) A  
 Pioneer Pole & Shaft Co. (Shafts; Poles; Rims) AAAA  
 Standard Wheel Co. (Wheels).....AAA  
 Wels-Lesh Mfg. Co. (Spokes).....AAA  
 Wels & Sons Co., Jacob (Spokes; Rims).....D  
**TENN.—Murfreesboro**  
 Boch, Adam (Gears)....D  
**TENN.—Nashville**  
 Goodwin-Clark Wagon Stock Co. ....D  
 Nashville Spoke & Handle Co. (Spokes).....C  
 Parker & Co., G. S. (Club; Spokes).....B  
**TENN.—Newbern**  
 Inman Bros. Mfg. Co. (Club Spokes).....C  
**TENN.—Retro**  
 Rock, Creeks Lumber & Mining Co. (Hubs; Spokes).....?  
**TENN.—Shelbyville**  
 Ransom & Son, G. W. (Spokes).....E  
**TENN.—Sparta**  
 Sparta Spoke Factory (Spokes).....D  
**TENN.—Spring City**  
 Blanchard, N. C. (Spokes) X  
**TENN.—Tullahoma**  
 Campbell, M. E. (Hubs; Spokes; Neck Yokes; Singletrees).....C  
 Campbell & Darm Mfg. Co. (Shafts; Rims; Bows; Poles).....B  
**TENN.—Woodville**  
 Wilson, W. J. (Spokes)..D  
**TEXAS—Longview**  
 Northcut, W. G. (Spokes) D  
**VA.—Attoway**  
 Atkins Bros. (Hubs; Spokes).....D  
**VA.—Farmville**  
 Farmville Mfg. Co. (Spokes).....D  
**VA.—Fredericksburg**  
 Fredericksburg Spoke Wks. (Spokes).....D  
**VA.—Front Royal**  
 Rudacell, L. (Spokes)....E  
**VA.—Gays**  
 Hardenburgh, Chas. (Felloes).....F  
**VA.—Manassas**  
 Prescott & Co., J. W. (Spokes).....F  
**VA.—Marion**  
 Atkins Bros. (Hubs; Spokes).....X

**WOODWORK (Con.)**  
**Look, Lincoln (All Kinds)** A  
**VA.—Martinsville**  
 Martinsville Spoke Co.  
 (Spokes; Rims) .....E  
**VA.—Parkersburg**  
 Parkersburg Bending Co.  
 (Spokes; Neck; Yokes  
 Poles; Whippetrees)...C  
**VA.—Pembroke**  
 Peek & Co., J. P. (Spokes) X  
**VA.—Petersburg**  
 Petersburg Rim & Veneer  
 Co. (Rims) .....C  
**VA.—Radford**  
 Morgan & Pratt Co.  
 (Wagon Stock) .....E  
**VA.—Red Oak**  
 Adams Spoke Co. ....E  
 Fowler & Son, A. J.  
 (Spokes) .....X  
**VA.—Richmond**  
 Va. & No. Car. Wheel Co.  
 (Spokes; Rims) .....A  
**WIS.—Algona**  
 Ahnapee Veneer & Seating  
 Co. (Veneers) .....C  
**WIS.—Antigo**  
 Kellogg Lumber & Mfg. Co.  
 (Hubs; Spokes; Neck  
 Yokes) .....B  
**WIS.—Boscobel**  
 Ruka Bros. Mfg. Co. (Bent  
 Wood) .....B  
**WIS.—Cadott**  
 Cadott Mfg. Co. (Hubs;  
 Spokes) .....E  
**WIS.—Grand Rapids**  
 Mackinnon Mfg. (All Kinds) B  
**WIS.—La Crosse**  
 La Crosse Wagon Stock  
 Mfg. Co. (Wheel Stock;  
 Whippetrees) .....X  
**WIS.—Lomira**  
 Wolf, P. (Felloes) .....C  
**WIS.—Madison**  
 Wiedenbeck, Doblin & Co.  
 (All Kinds) .....C  
 Wisconsin Wagon Co.  
 (Bodies) .....E  
**WIS.—Mayking**  
 Wunderlich, C. (Spokes).D  
**WIS.—Milwaukee**  
 Milwaukee Spoke & Bend-  
 ing Co. ....X  
 Milwaukee Wagon Iron  
 Wks. (Whippetrees Neck  
 Yokes, &c.) .....A  
**WIS.—Neillsville**  
 Johnson Mfg. Co. (Hubs;  
 Spokes) .....A  
**WIS.—Oshkosh**  
 Clark Carriage Wks.  
 (Gears; Bodies, &c.)..B  
 Thompson Carriage Co.  
 (Gears; Bodies, &c.)...C  
**WIS.—Racine**  
 Adams & Son, E. B. (Neck  
 Yokes) .....B  
 Racine General Mfg. Co.  
 (Doubletrees) .....E  
 Racine Mall & Wrought  
 Iron Co. (Whippetrees;  
 Eveners; Yokes) .....A  
 Racine Pole & Spring Co.  
 (Poles; Neck Yokes)..E  
**WIS.—Spring Valley**  
 Spring Valley Spoke, Stave  
 & Heading Co. (Spokes) D  
**WIS.—West Bend**  
 Schmidt & Stony (Hubs;  
 Spokes) .....E

## WOODWORK: MISC.

**CAL.—San Francisco**  
 Budde, Jos., 577 Mission  
 (Plumbers) .....X  
**CONN.—Bridgeport**  
 Sewing Machine Cabinet  
 Co. (Electrical) .....A  
**CONN.—Essex**  
 Essex Wood Turning Co.  
 (Twist) .....X  
**CONN.—Torrington**  
 Union Hardware Co.  
 (Electrical) .....AA

**WOODWORK: MISC.**  
**ILL.—Chicago**  
 Akam Mfg. Co., C. G.  
 (Sewing Machine) ....F  
 Clov & Sons, Jas. B., 344  
 Franklin (Plumbers) AAA  
 Furdlesen & Kropf Mfg.  
 Co., 21st Pl. & Rockwell  
 (Plumbers) .....A  
 Humane Tug Post Co. (Pa-  
 tent Stiff Bar Pole)...E  
 Lever Mfg. Co., 19 No.  
 Jefferson (Electrical)..D  
 Light Mfg. Co., Geo. W.  
 (Ornamental) .....E  
 Noblett Co., E. J., 898 5th  
 (Electrical; Battery; Bell  
 Boxes; Switch) .....C  
 Wolff Mfg. Co., L. 117 W.  
 Lake (Plumbers).....AAAA  
**ILL.—Edwardsville**  
 Leclair Mfg. Co. (Plumb-  
 ers) .....B  
**IND.—Bremen**  
 Wright, John J. (Bent)..B  
**IND.—Evansville**  
 Von Behren Mfg. Co.  
 (Bent) .....X  
**IND.—Fort Wayne**  
 Knott & Van Arnam Mfg.  
 Co. (Plumbers) .....B  
**IND.—Lafayette**  
 Taylor Lumber Co., Henry  
 (Plumbers) .....A  
**IND.—Vincennes**  
 Hartwell Bros. (Wagon).B  
**IND.—Wabash**  
 Wabash Cabinet Co. (Elec-  
 trical; Special of all  
 Kinds) .....A  
**KY.—Louisville**  
 Ahrens & Ott Mfg. Co.  
 (Plumbers) .....AAAA  
**LA.—New Orleans**  
 Schwartz Co., Joseph  
 (Ltd.) (Bent) .....A  
**MASS.—Boston**  
 Davenport, A. H. (Arch-  
 tectural) .....AA  
**MASS.—Fitchburg**  
 Novelty Turning Co. (Elec-  
 trical) .....E  
**MICH.—Ann Arbor**  
 Peninsular Mfg. Co. (Plumb-  
 ers' Low Tanks; Seats,  
 &c.) .....C  
**MICH.—Detroit**  
 Hygienic Steel Co. (Plumb-  
 ers) .....D  
 Ideal Mfg. Co., 546 Frank-  
 lin (Plumbers) .....A  
 Park & McKay Co. (Plumb-  
 ers) .....C  
 Standard Sanitary Mfg. Co.  
 of Michigan (Plumbers) AAAA  
**MICH.—Grand Rapids**  
 Ferguson Marcellus Co.  
 (Plumbers) .....C  
 Waddell Mfg. Co. (Orna-  
 mental) .....B  
**MICH.—Kalamazoo**  
 Smith & Pomeroy (Plumb-  
 ers) .....B  
**MICH.—Muskegon**  
 Heap, William (Plumber) D  
**MICH.—Northville**  
 Globe Furniture Co.  
 (Plumbers) .....D  
**MICH.—Port Huron**  
 Crosby & Poole Co. (Ltd.)  
 (Plumbers) .....X  
**MICH.—Romulus**  
 Serstedt Bros. Mfg. Co.  
 (Plumbers) .....X  
**MICH.—Sturgis**  
 Miller, Hubbard Mfg. Co.  
 (Plumbers) .....B  
**MO.—St Louis**  
 Nelson Mfg. Co., N. O. 424  
 N. 8th (Plumbers) .AAA  
**N. H.—Milford**  
 Pierce & Co., W. E.  
 (Plumbers) .....D  
**N. Y.—Brooklyn**  
 Cross Austin & Ireland  
 Lumber Co. (Ornamental) AA  
**N. Y.—Buffalo**  
 Cutting, Henry (Interior) D

**WOODWORK: MISC.**

**N. Y.—Geneva**  
Catchpole, E. A. & L. G.  
(Bent) .....C  
**N. Y.—Jamestown**  
Jamestown Mantel Co.  
(Plumbers) .....X  
**New York City**  
Burrows Mfg. Co., Wm.,  
72 Cliff (Plumbers)....F  
Emery, W. S., 94 Beekman  
(Plumber) .....B  
Huber Co., Henry, 244 5th  
Av. (Plumber) .....D  
Lamb, J. & R. (Architect-  
ural; Ornamental)....B  
Schwabb Bros. Co., 42 Cliff  
(Plumbers) .....E  
Siebrecht & Son, 409 5th  
Av. (Rustic) .....X  
**N. Y.—Oswego**  
Cowmeadow Mfg. Co.  
(Plumbers) .....D  
**N. Y.—Rome**  
Rome Sanitary Wks.  
(Plumbers) .....B  
**OHIO—Cincinnati**  
Douglas Co., Jno., 900  
Poplar (Plumbers)....A  
Lipp Co., Louis (Plumber)  
.....A  
Japan Mfg. Co., 536 Read-  
ing Rd. (Plumbers) ...B  
**OHIO—Columbus**  
Ascher Fox Mfg. Co.  
(Plumbers) .....B  
Columbus Brass Co.  
(Plumbers) .....A  
**OHIO—Delphos**  
Ohio Wheel Co. (Bent)...B  
**OHIO—Hamilton**  
Sanitary Mfg. Co. (Plumb-  
ers) .....B  
**OHIO—Portsmouth**  
Portsmouth Veneer Wks.  
(Bent) .....B  
**OHIO—Toledo**  
Toledo Bending Co. (Bent)  
.....A  
Toledo Carriage Woodwork  
Co. (Bent) .....A  
**PA.—Philadelphia**  
Blessing, C. A., 516 Mont-  
gomery Av. (Plumbers)  
.....AA  
Hale & Kilburn Mfg. Co.,  
18 N. 6th (Plumbers)  
.....AAAA  
Hall & Garrison (Orna-  
mental) .....X  
Swain Mfg. Co., 7 &  
Morris (Plumbers)....F  
**PA.—Pittsburg**  
Standard Sanitary Mfg. Co.  
Arrott Bldg. (Plumbers)  
.....AAAA  
**R. I.—Providence**  
American Enamel Co. (En-  
ameled Turning Electri-  
cal) .....B  
**TENN.—Chattanooga**  
Dewess Mfg. Co., S. T.  
(Plumbers) .....D  
**VT.—Burlington**  
Burlington Venetian Blind  
Co. (Plumbers) .....A  
**VA.—Grottoes**  
American Hardwood Mfg.  
Co. (Electrical) .....C  
**VT.—Petersburg**  
South Side Mfg. Co. (Thin  
Sawed) .....C  
**WIS.—Boscobel**  
Ruka Bros. Mfg. Co. (Ltd.)  
(Bent Carriage) .....C  
**WIS.—Oakhosh**  
Palne Lumber Co. (Plumb-  
ers) .....AAAA

**WOOL  
DEALERS**

**ALA.—Mobile**  
Piser & Co., Henry, 109 N.  
Commerce .....B  
**ARK.—Ft. Smith**  
Arkansas Hide & Fur Co.  
.....B  
**CAL.—Los Angeles**  
Los Angeles Soap Co. ....B

**WOOL DEALERS (Con.)**

**CAL.—Napa**  
Sawyer Tanning Co. (Pul-  
lers) .....A  
**CAL.—San Francisco**  
Allen, Hy. F. (Com.) 202  
California .....AA  
Bissinger & Co., 215 Clay  
(Pullers) .....A  
Bloom & Sons, Sam'l, 344  
Clay (Pullers) .....B  
Catton, Bell & Co., 436  
Townsend (Also Scour-  
ing) .....A  
Denigan Son & Co., Thos.,  
132 Market .....A  
Koshland & Co., S., 222  
California .....AAAA  
Moore, Furguson & Co., 310  
Columbia (Com.)....A  
Norton Tanning Co., 312  
Clay (Pullers) .....B  
Sawyer Tanning Co., 312  
Clay (Pullers) .....A  
Summer & Co., W. B., 415  
Front (Com.) .....A  
**CAL.—Stockton**  
Wagner Leather Co. ....A  
**COLO.—Denver**  
McLean & Co., E. J. ....B  
**CONN.—Hartford**  
Beach & Co., 209 State  
(Imp.) .....AAAA  
Judd & Root, H. C., Cor.  
High & Allyn. (Com.)  
.....AA  
**CONN.—Norwich**  
Brewster & Son, M., 35  
Shetauket (Com.)....AA  
Hall Bros., 29 Commerce  
.....AA  
**D. C.—Washington**  
Hopfenmaier, Lewis. ....B  
**GA.—Blackshear**  
Brantley Co., A B. ....A  
**ILL.—Chicago**  
Armour & Co. (Pullers)  
.....AAAA  
Bach, Becker & Co., 107  
Michigan (Also Com.)...A  
Boller & Rogers, 142  
Kinzie .....A  
Dreyfus, J., 212 Michigan  
.....B  
Miller & Co., John, 121  
Michigan .....A  
Silberman Bros., 122 Michi-  
gan .....AA  
Swift & Co., Stock Yards  
(Pullers) .....AAAA  
Thompson & Co., H. T., 201  
Michigan (Scourers)...A  
Union Feather & Wool Co.  
.....F  
Well & Eisendrath, 413 N.  
Halstead (Pullers) ....B  
**IND.—Albion**  
Straus, Ackerman & Co.  
(Buyers) .....AA  
**IND.—Fort Wayne**  
Well Bros. & Co. ....A  
**IND.—Indianapolis**  
Merritt & Co., Geo. (Inc.)  
.....B  
**IND.—Kendallville**  
Campbell & Co. ....B  
**IND.—Ligonier**  
Straus Wool Co. ....A  
**KY.—Louisville**  
Rosenbaum & Sons, Isaac,  
321 E. Market .....A  
Sabel & Sons, M., 233 E.  
Market .....A  
**LA.—New Orleans**  
McShane, Andrew J., 630  
Commerce .....B  
**MAINE—Bangor**  
Maxfield Co., S. A. (Pul-  
lers) .....AAAA  
**MD.—Baltimore**  
Baer & Co., Lewis, 206  
Light .....A  
Marcus & Son, Hy., 30 So.  
Calvert .....A  
Rosenburg, Happ & Siegel  
(Pullers) .....A  
**MD.—Cumberland**  
Hirsch Bros. (& Pullers).B  
**MASS.—Boston**  
Brown & Adams, 274 Sum-  
mer (Com.) .....AA  
Cordingly & Son, W. S.

WOOL DEALERS (Con.)		WOOL DEALERS (Con.)	
559 Atlantic Av.....	B	<b>MICH.—Saginaw</b>	
Crimmins & Peirce, 127		Carlisle & Co., F. W.....	A
Federal .....	A	Id.—Stockbridge	
Demay, Rice & Benedict,		Dupuy Co., C. E.....	B
610 Atlantic Av.....	A	<b>MINN.—Minneapolis</b>	
Dewey, Gould & Co., 600		McMillan Fur & Wool Co.	
Atlantic Av. (Com.)...AA		200 First Av. (Pullers)	B
Eisemann Bros. ....	A		
Follett Wool Co., 214 Sum-		<b>MO.—Kansas City</b>	
mer .....	A	Biggs & Hoch .....	B
Goohue & Studley, 356 At-		Lyons & Co., M. (Com.)...A	
lantic Av. ....	B	<b>MO.—St. Louis</b>	
Hollowell & Co., Donald		Byrne & Co., Jos., 222 No.	
252 Summer (Com.)...AA		Main .....	B
Harding & Caverly, 286		Crowdus & Co., J. C., 104	
Summer (Com.) .....	A	N. Main (Com.) .....	A
Harrington, Geo., 212 Sum-		Donzelot & Son, Eugene, 16	
mer .....	B	S. Main (Com.) .....	B
Hartley, H., 620 Atlantic		Funsten Bros. & Co., 109	
Av. (Also Foreign)....	B	N. Main (Com.) .....	A
Hecht, Lieberman & Co.		Harris & Co., B., 22 S.	
(Com.) .....	AA	Second .....	A
Hobbs, Taft & Co., 18		Landau & Co., A., 720 N.	
Matthews .....	A	Main .....	A
Keenan, P. J., 56 Fulton		Marx & Co., Hy., 208 N.	
(Also Wool Stock)....	A	Main .....	B
Koshland & Co., J., 268		Sachs, I. & S., 100 N.	
Summer (Com.) .....	AAAA	Main .....	B
Lewis, E. Frank, 293 Con-		<b>N. H.—Manchester</b>	
gress (Scourer) .....	A	Gerrish Wool & Leather	
Lodge & Co., John T., 555		Co. ....	A
Atlantic Av. (Waste)..	B	<b>N. J.—Newark</b>	
Luce & Manning, 138 Fed-		Newark Beef Co. (Pullers)	
eral (Com.) .....	AAA	AAAA	
National Woolen Co., 170		<b>N. J.—Paterson</b>	
Summer (Shoddy) ...	AA	Muhs & Co., Hy. River	
New England Dressed Meat		(Pullers) .....	A
& Wool Co., 20 North		<b>N. MEX.—Albuquerque</b>	
(Pullers) .....	AAA	Ilfeld Bros. ....	B
Nichols, Dupee & Co., 262		Rosewald Bros. ....	B
Summer .....	A	<b>N. MEX.—East Las Vegas</b>	
Parsons Bros., 560 Atlan-		Friedman & Bro., Myer..	A
tic Av. ....	B	Ilfeld, Chas. ....	AA
Peabody & Co., Hy. W.		<b>N. Y.—Albany</b>	
(Mason Bros.) (Imp.)AA		Glavin & Son, John (Pul-	
Purdy & Co., O. N., 290		lers) .....	A
Summer .....	B	Newman & Co., Chas., 457	
Remick & Co., T., 489 At-		B'way .....	A
lantic .....	A	<b>N. Y.—Batavia</b>	
Smith & Co., A. W., 125		Page, Geo. A. & R. I....	B
Federal .....	A	<b>N. Y.—Binghamton</b>	
Stoddard, Haserick, Rich-		Conklin & Son, E. W....	A
ards & Co., 152 Congress		<b>N. Y.—Buffalo</b>	
AA		Kraus & Co., A. ....	B
Stone, Timlow & Co., 237		Schoellkopf & Co.....	AA
Congress (Com.) .....	A	<b>N. Y.—Columbus</b>	
Swift & Co., 620 Atlantic		Rosenthal Bros. & Basch	
Av. ....	AAAA	(Pullers) .....	B
Thacher & Co., T. C. 16		<b>N. Y.—Holley</b>	
Pearl .....	A	Kennedy & Co. ....	B
Union Carpet Lining Co.		<b>New York City</b>	
179 Devonshire (Imp.)A		Bach, Becker & Co., 104	
Wheelock & Co., J. H., 620		Greene .....	A
Atlantic Av. (Foreign)		Denby, Isaac, Wool Ex-	
(Com.) .....	B	change .....	A
Whitman, Farnsworth &		Follett Wool Co., Wool Ex-	
Thayer, 118 Federal.AAA		change Bldg. ....	B
Wilcox & Cordingly, 246		Lobsitz, Samuel, 260	
Summer .....	A	Church .....	A
Willett & Co., Geo. T. 248		McMurtry, John E., 2	
Summer (Inc.) .....	A	Walker .....	A
Willey & Co., Francis, 556		Rawtser & Co., S., Cor.	
Atlantic Av. ....	AAAA	Canal & Bway (Waste,	
Williams & Co., Jeremiah,		&c.) .....	AA
300 Summer .....	AAAA	Swift & Co., Wool Ex-	
Wright, John G., 620 At-		change .....	AAAA
lantic Av. ....	AAA	Thompson's Nephew & Co.,	
Wyman, Franklin A. 101		Sam'l, 142 Duane....	AA
High .....	B	Wallace, Mueller & Co.	
<b>MASS.—No. Chelmsford</b>		(Ltd.) (Imp.) .....	B
Moore, Geo. C. (Scourer)		Willett & Co., Geo. F.	
AAA		Wool Exchange .....	A
<b>MASS.—Peabody</b>		Harrington & Co., J. J.,	
Thomas Co., J. B. (Pullers)		770 1st Av. (Pullers)..	A
A		Schwarzschild & Sulzberger	
<b>MASS.—Springfield</b>		Co., 45th & 1st Av. (Pul-	
Mayo & Co., A. N., 156		lers) .....	AAAA
Lyman (Waste) .....	A	Shea, John, 648 W. 39th	
<b>MICH.—Detroit</b>		(Puller) .....	B
Schmidt, Carl E., 54 Ma-		Simon & Kaufman (Pul-	
comb (& Puller) .....	A	lers) .....	B
Schmidt & Sons, Traugott,		<b>N. Y.—Syracuse</b>	
138 Monroe Av. (Pullers)		Falkner, August (Puller) ..	B
AA		Marshall & Son, Jacob	
Sloman & Co., M., Majestic		(Pullers) .....	B
Bldg. ....	B	<b>N. Y.—York</b>	
<b>MICH.—Eaton Rapids</b>		Stewart, Chas. N. (& Grow-	
Vaughn & Son, W. ....	B	er) .....	B
<b>MICH.—Grand Rapids</b>		<b>N. DAK.—Fargo</b>	
Cappon-Bertsch Leather Co.		Balles & Rogers .....	A
(Pullers) .....	A	<b>OHIO—Cincinnati</b>	
		Wise & Bros., L., 36 Main	



**WOOL DEALERS (Con.)**

**OHIO**—Georgetown  
Boon & Bevington Co. ...B  
**OHIO**—Mantua  
Crafts, Wm. H. ....A  
**OHIO**—Toledo  
Mack, J. ....B  
**OREGON**—Portland  
Allen & Lewis (Com.)...A  
Bissinger & Co. (Com.)..A  
**PA.**—Kittanning  
Gault & Co., J. A.....B  
**PA.**—Philadelphia  
Adams & Co., Jas. M. Main  
& Myk (Scourers) .....A  
Allen & Co., Wm. F., 132  
Front .....AA  
Coats Bros., 127 Market  
(Com.) .....AAA  
Cooper, H. L. ....B  
DeLong & Coffin, 11 N.  
Front .....B  
Erben, Harding & Co., 25th  
& Spring Garden (Scour-  
ers) .....AAAA  
Gregg Bros., 18 S. Front  
(Com.) .....AAA  
Grubnau, Carl, 30 N. Front  
A  
Hoffman, G. E., 248 Chest-  
nut (Waste) .....A  
Jagode & Co., Phillip, 14  
Letitia .....A  
Justice, Bateman & Co., 122  
S. Front (Com) .....AAA  
Kay, John J., 132 Allen  
(Waste) .....B  
Kenworthy & Bro., T., 111  
Church .....AA  
Kenworthy's Sons, Thos.,  
130 Arch .....A  
Kitchen & Co., James G.,  
55 N. Front .....AA  
Lee & Co., Thomas, 11  
Letitia .....A  
McCloskey, J. J., 34 N.  
Front (Waste) .....A  
McCullough & Co., Jas. A.,  
71 N. Front .....B  
O'Neill, Chas., 57 N. Front  
(Waste) .....AA  
O'Neill Bros., Columbia Av.  
& Howard (Waste) ....A  
Reifsnnyder Son & Co., L.,  
110 S. Front .....A  
Reineke & Co., Hy. G., 1632  
N. 5th (Pullers) ....B  
Smith & Bro., Bradford, 111  
Chestnut .....B  
Stephenson & Craft, 107  
Church (Waste) .....B  
Swift & Co., 107 Chest-  
nut .....AAAA  
Tilden, W. T., 264 N. Front  
B  
Toland & Hance, 124 S.  
Front .....B  
Wallace & Bro., John J.,  
1620 Lombard (Waste).B  
Wallworth & Sons, J., 221  
Chestnut (Waste) ....B  
Webb & Co., Chas. J., 116  
Chestnut .....AAAA  
Well Bros., 216 Chestnut  
AA  
Willey, J. H., 235 N. Water  
B  
Willey & Co., Francis, 32  
Strawberry .....AAAA  
Wood Bros. & Co., 27 N.  
Front .....AAAA  
Woolston & Moore, 110  
Chestnut (Waste) ....B  
Yewdall & Jones Co., 54th  
& Poplar (Scourers) ...A  
**PA.**—Pottersville  
Humphrey & Sons, Wm. ..B  
**R. I.**—Providence  
Peck & Co., Asa, Atwells  
& Harris Av. (Waste:  
Nolls) .....AA  
Slade Co., Walter F., 75  
Exchange Pl. (Shoddy:  
Nolls) .....B  
Smith & Co., Albert W., 20  
Davis .....A  
**TENN.**—Nashville  
Lefkovitz & Co., J. ....B  
**TEXAS**—Houston  
Finnegan Co., John .....A  
**TEXAS**—Lampasas  
Stokes Bros. ....R

**WOOL DEALERS (Con.)**

**TEXAS**—Laredo  
Bruni & Bro., A. M. ....A  
**TEXAS**—San Antonio  
Halff & Bro., M. (Com.) A  
Hugo-Schmeltzer Co. (Com.)  
A  
**UTAH**—Ordgen City  
Kuhn & Bro., A. ....A  
**WASH.**—Seattle  
Bissinger & Co. ....A  
**W. VA.**—Wheeling  
Hockhelmer Bros. ....AA  
**WIS.**—Edgerton  
Child, H. W. ....B  
**WIS.**—Madison  
Cook Bros. ....C  
**WIS.**—Milwaukee  
Rosenberg & Liberman, 104  
W. Water .....B  
**WIS.**—Reedsburg  
Harris & Hostler .....B  
**WIS.**—Viroqua  
Eckhardt, Fred. ....A  
**WYO.**—Rawlins  
Hugus & Co., J. W. (sell  
for others) .....A

**WOOL:****MINERAL**

**ILL.**—Chicago  
Chicago Fire Proof Covering  
Co. ....E  
**MINN.**—Winona  
Union Fibre Co. ....B  
**MO.**—St. Louis  
Amer. Insulating Material  
Mfg. Co., 213 N. 3rd ...B  
**New York City**  
United States Mineral Wool  
Co., 143 Liberty .....D  
**PA.**—Easton  
Baker & Adamson Chemical  
Co. ....A  
**PA.**—Pittsburg  
McConnell & Co., John A.  
X

**WOOLEN  
GOODS**

**ARK.**—Centre Point  
Centre Point Woolen Mills  
(Tweeds; Lindseys, etc.)C  
**CAL.**—Napa  
Napa Woolen Mills (Flan-  
nels; Lap Robes) .....C  
**CAL.**—San Francisco  
Golden Gate Woolen Mfg.  
Co. (Tweeds; Cassimere;  
Flannels; Ladies Suits)A  
**CAL.**—Stockton  
Stockton Woolen Mills  
(Blankets; Flannels; Che-  
viots; Tweeds; Cassi-  
meres) .....C  
**CONN.**—Broad Brook  
Broad Brook Co. (Fine Fan-  
cy Cassimere; Worsted  
Suits; Coverts; Coat-  
ings) .....AA  
**CONN.**—Buckland  
Hilliard Co., E. E. (Fan-  
cy & Union Cassimere;  
Kerseys, etc.) .....AA  
**CONN.**—Danielson  
Danielson Worsted Co.  
(Men's Wear) .....A  
**CONN.**—East Lynne  
Niantie Mfg. Co. (Cassi-  
meres; Cheviots; Fancy  
Dress Gds.) .....B  
**CONN.**—Killingly  
Elmville Mills (Cheviots;  
Overcoatings) .....AAAA  
**CONN.**—Meriden  
Meriden Woolen Mills (Ra-  
wister & Bro.) (Cloak-  
ings; Cassimere; Wor-  
steds) .....AA  
**CONN.**—Norwich  
Thames Valley Mills (Hall  
Bros.) (Dress Goods;  
Cloakings; Cassimere)A  
**CONN.**—Poquetanuck  
Lucas & Co., B. (Dress;  
Carriage Linings) .....A  
**CONN.**—Preston  
Hall Bros. (Dress Goods;

**WOOLEN GOODS**

Cloakings; Cassimeres) AA

**CONN.—Rockville**

Amer. Mills Co., The (Cassimeres; Fancy Worsteds; Meltons; Kerseys) ....B

Hockanuh Co. (Fancy Cassimeres; Worsteds Gds.) A  
New England Co. (Cassimeres; Worsteds) ....A

Springville Mfg. Co. (Fancy Cassimeres; Worsteds) A

**CONN.—Seymour**

Tingue Mfg. Co. (Worsteds Suits; Mohair; Plushes; Mohair &amp; Worsteds Genapped) ....A

**CONN.—Somerville**

Somerville Mfg. Co. (Men's Wear) ....A

**CONN.—Stafford**

Central Woolen Co. (Fancy Cassimeres; Fancy Black Coverts; Venetians) ...A

Phoenix Woolen Co. (Kerseys; Overcoatings) ...A  
Riverside Woolen Co. (Overcoating) ....A**CONN.—Stafford Springs**

Warren Woolen Co. (Cassimeres; Coverts; Overcoatings; Worsteds) ....A

**CONN.—Torrington**

Warrenton Woolen Co. (Uniform Goods &amp; Kerseys; Doeskin; Broad) ...A

**CONN.—Vernon**

Vernon Woolen Co. (Union Cassimeres; Satinets) ..B

**CONN.—Yantic**

Yantic Woolen Co. (Flannels; Dress) ....A

**GA.—Atlanta**

Atlanta Woolen Mills (Cassimeres; Jeans) ....A

**GA.—Columbus**

Eagle &amp; Phoenix Mills (Jeans; Doeskins; Kerseys; Cassimeres; Satinets; Twills) .....AAAA

**GA.—Pickajack**

Concord Woolen Mills (Cassimeres) .....B

**ILL.—Chicago**

Converse, Stanton &amp; Co. (Com. Cassimeres; Flannels; Cloakings) ....AAA

Faulkner, Page &amp; Co. (Com. Cassimeres; Flannels) ....AAA

Foster &amp; Co., F. A. (Com.) AA

Shaw &amp; Co., T. A. (Com.) AAA

**ILL.—Hanover**

Hanover Woolen Mfg. Co. (Fancy Cassimeres) ...A

**ILL.—Jacksonville**

Capps &amp; Sons, J. (Cassimeres; Worsteds) ....A

**ILL.—Springfield**

Springfield Woolen Mills (Cassimeres) .....A

**IND.—Evansville**

Evansville Woolen Mills Co. (Fancy Cassimeres; Dress Goods) .....B

**IND.—La Porte**

Fox's Sons, Saml. (Women's Dress Goods) ....A

**IND.—Madison**

Schofield &amp; Son, Jno. (Jeans; Flannels) ....C

**IND.—New Albany**

New Albany Woolen Mill Co. (Jeans; Flannels; Cassimeres) .....B

**IND.—Seymour**

Seymour Woolen Fcty. Co. (Flannels) .....B

**IOWA—Amana**

Amana Society Woolen Mill (Jeans; Sackings; Cheviots; Cassimeres) AAAA

**IOWA—Bonaparte**

Meek Bros. Co. (Cassimeres; Meltons) .....B

**IOWA—Davenport**

Davenport Woolen Mills Co. (Flannels; Cassimeres) B

**IOWA—Des Moines**

Capital City Woolen Mills (Flannels; Cassimeres) A

**WOOLEN GOODS****IOWA—Farmington**

Sterling Woolen Mills Co. (Flannels; Cassimeres) C

**KANS.—Topeka**

Topeka Woolen Mill Co. (Cassimeres) .....B

**KY.—Henderson**

Henderson Woolen Mills (Jeans; Cassimeres) ....B

**KY.—Louisville**

Eclipse Woolen Mills (Cassimeres; Jeans) .....B

Falls City Woolen Mills (Cassimeres; Meltons; Kty. Jeans) .....A

Louisville Woolen Mills

(Kty. Jeans) .....AA

**MAINE—Bridgton**

Pondicherry Co. (Cheviots; Cloakings; Cassimeres) B

**MAINE—Dexter**

Abbott, Co., Amos (Fancy Cassimeres; Dress Goods) A

**MAINE—Fairfield**

Mayo &amp; Son (Tricots; Dress Goods; Cloakings) ....B

**MAINE—Guilford**

Piscataquis Woolen Co. (Sackings; Dress Goods; Overcoatings; Cassimeres) A

**MAINE—Hartland**

Linn Woolen Co. (Cloakings; Cassimeres; Dress Goods) .....A

**MAINE—Lowiston**

Cowan Woolen Co. (Fancy Cassimeres; Dress Goods) B

Libbey &amp; Dingley (Cloakings; Cheviots) .....A

**MAINE—Lisbon**

Farnsworth Co. (Dress Goods; Flannels) .....B

**MAINE—Madison**

Indian Spring Woolen Co. (Cassimeres; Dress Goods) .....B

Madison Woolen Co. (Dress Goods; Kerseys; Beavers) B

**MAINE—Pittsfield**

Dobson &amp; Co., Robt. ....AA

**MAINE—Sanford**

Sanford Mills .....AAAA

**MAINE—Waterville**

Riverview Worsteds Mills (Worsteds) .....A

**MD.—Baltimore**

Dickey &amp; Sons, W. J. (Com.) .....AAA

Maryland Woolen Co. (Kerseys; Cheviots) .....A

Woodward, Baldwin &amp; Co. (Com.) .....AAAA

**MD.—Haight**

Oakland Mfg. Co. (Kerseys) .....A

**MD.—Oella**

Dickey &amp; Sons (Oella Mills) (Kerseys; Cassimeres) AAA

**MASS.—Agawam**

Agawam Co. (Flannels; Dress Goods) .....B

**MASS.—Andover**

Ballardvale Mills (Fine White Flannels) ....AAA

Stevens &amp; Sons Co., M. T. (Flannels; Dress Goods) ....AAA

**MASS.—Bellingham**

Charles River Woolen Co. (Meltons; Cassimeres; Satinets) .....A

Taft, Murdock &amp; Co. (Cassimeres; Satinets) ....A

**MASS.—Billerica**

Faulkner Mfg. Co. (Twill Flannels; Dress Goods) B

Talbot Mills (Flannels; Dress Goods; Cheviots) AA

**MASS.—Boston**

Amer. Woolen Co. (All Kinds) .....AAAA

Battelle, Hurd &amp; Co. (Com. Cassimeres; Suits; Dress Goods) .....A

Blake &amp; Stearns (Com.) A

Converse, Stanton &amp; Co. (Com. Cassimeres; Flannels; Cassimeres) AA

# WOOLEN GOODS

nels; Cloakings) ...AAA  
 Deering, Milliken & Co. (Com. Flannels; Cassimeres; Cloakings) AAAA  
 Faulkner, Page & Co. (Com. Flannels) .....AAA  
 Foster & Co., F. A. (Com.) AA  
 Greeley & Cushman & Record (Com. Cassimeres; Beavers; Suitings) AAA  
 Harding, Whitman & Co. (Com. Dress Goods; Worsteds) .....AAAA  
 Joy, Langdon & Co. (Com. Dress Goods; Cassimeres; Worsteds) .....AAAA  
 Mackintosh, Tafts & McKenney (Com.) ....A  
 Parker, Wilder & Co. (Com. Flannels; Cassimeres) AAAA  
 Smith, Hogg & Co. (Com. Flannels) .....AAAA  
 Wendell, Fay & Co. (Com. Cloth; Flannel) .....A  
**MASS.—Brookfield**  
 Mann & Stevens Woolen Co. (Satinets) .....D  
**MASS.—Clinton**  
 Clinton Worsted Co. (Suitings; Trouserings) ....B  
**MASS.—Dedham**  
 Merchants Woolen Mills (Friezes; Chevlots; Meltons; Kerseys) .....AA  
**MASS.—Douglass**  
 Haywood & Co., W. E. (Cassimeres; Suitings) B  
**MASS.—Dudley**  
 Merrimack Woolen Co. (Cloakings; Dress Goods) A  
**MASS.—Franklin**  
 Haywood, Harry T. (Flannels; Satinets) .....A  
 Singleton Worsted Co. (Fancy Worsteds) ....B  
**MASS.—Groveland**  
 Groveland Mills (Dress Goods; Flannels) .....A  
**MASS.—Hinsdale**  
 Hinsdale Woolen Co. (Cassimeres; Kerseys; Suitings) .....B  
**MASS.—Holden**  
 Eagle Lake Woolen Co. (Cassimeres; Black Chevlots; Satinets) .....A  
 Jefferson Mfg. Co. (Cassimeres; Chevlots) .....A  
 Wood & Co., C. G. (Satinets) .....A  
**MASS.—Holyoke**  
 Beebe-Webber Co. (Cassimeres; Fancy Worsteds; Kerseys; Meltons) ....B  
 Farr Alpaca Co. (Worsteds) AAA  
 Germania Mills (Overcoatings; Kerseys; Beavers; Cloakings) .....B  
**MASS.—Hyde Park**  
 Bleakie Co., Robt. (Cassimeres) .....A  
**MASS.—Lawrence**  
 Arlington Mills (Worsted Dress) .....AAA  
 Brown & Whittier (Fine Worsted Dress Goods) B  
 Kunhardt, Geo. E. (Worsteds for Men's Wear) AAAA  
**MASS.—Leicester**  
 Carlton & Sons, E. G. (White; Colored Flannels) B  
 Rochdale Mills (Opera Flannels; Dress Goods; Suitings; Broadcloth) ....B  
 Valley Woolen Mills (Dress Goods) .....B  
**MASS.—Lowell**  
 Belvidere Woolen Mfg. Co. (Flannels; Dress Goods) A  
 Middlesex Co. (Beavers; Kerseys; Cassimeres; Meltons; Tibbets; Uniform Cloth; Venetians) ...AAA  
 Stirling Mills (Flannels; Chevlots; Dress Goods) A  
 U. S. Bunting Co. (Worsted

# WOOLEN GOODS

Dress Goods) .....AA  
**MASS.—Millbury**  
 Mayo Woolen Co. (Men's; Women's Wear) .....B  
**MASS.—Monson**  
 Ellis & Son, D. W. (Kerseys; Dress Goods) AA  
**MASS.—New Bedford**  
 Oneko Woolen Mills ...AA  
**MASS.—North Adams**  
 North Adams Mfg. Co. (Fancy Cassimeres; Chevlots) .....A  
 Strong, Hewat & Co. (Fancy Cassimeres; Scotch Chevlots; Overcoating) B  
**MASS.—North Andover**  
 Stevens Mills (Flannels; Dress Goods) .....AAA  
**MASS.—Northbridge**  
 Riverdale Woolen Co. (Shoddies) .....B  
**MASS.—North Dana**  
 Success Worsted Co. (Fancy Worsteds; Clay's; Serges) .....AAA  
**MASS.—Oxford**  
 Howarth & Son, Andrew (White Flannels) ....AA  
**MASS.—Pittsfield**  
 Peck Mfg. Co., J. L. & T. D. (Flannels) .....A  
 Pontoosuc Woolen Mfg. Co. (Suitings; Cloths) ....A  
 Russell Mfg. Co., S. N. & C. (Kerseys) .....B  
 Tillotson Mfg. Co. ....AA  
**MASS.—Plymouth**  
 Standish Worsted Co. (Fine Worsted) .....A  
**MASS.—Saugus**  
 Scott & Son, F. (Fancy Dress Goods) ....B  
**MASS.—Stoughton**  
 French & Ward (Flannels; Dress Goods) .....A  
**MASS.—Uxbridge**  
 Calumet Woolen Co. (Cassimeres) .....A  
**MASS.—Ware**  
 Gilbert Mfg. Co., Geo. H. (Worsteds) .....AAA  
 Stevens & Co., C. A. (Flannels; Dress Goods) ....A  
**MASS.—Warren**  
 Sayles & Jenks Mfg. Co. (Worsted; Cassimeres; Overcoatings) .....A  
**MASS.—Watertown**  
 Aetna Mills (Worsteds; Kerseys; Ladies' Dress Gds.) A  
 Bemis Mills (Serges; Dress Goods) .....B  
**MASS.—Webster**  
 Slater Woolen Co. (Doekskins; Flannels; Broadcloth; Chevlots; Beavers) AAAA  
**MASS.—Worcester**  
 Curtis Mfg. Co. (Satinets; Flannels) .....B  
 Thayer, E. D. Jr. (Chevlots; Dress Goods) .....AA  
**MICH.—Clinton**  
 Clinton Woolen Mfg. Co. (All Wool Cassimeres) A  
**MICH.—Yale**  
 Andrae & Sons, Chas. (Cassimeres) .....C  
**MINN.—Faribault**  
 Klemer & Sons, C. H. (Cassimeres) .....C  
**MINN.—Minneapolis**  
 No. Star Woolen Mill Co. (Flannels) .....AA  
**MINN.—Rushford**  
 Webster & Co., Jonathan (Flannels) .....C  
**MO.—California**  
 California Woolen Mill Co. (Flannel) .....C  
**MO.—St. Joseph**  
 Ruell Mfg. Co. (Flannels) A  
**MO.—Sedalia**  
 Lamy Mfg. Co., J. A. (Cassimeres) .....B  
**N. H.—Bristol**  
 Dodge-Davis Mfg. Co. (Fine Flannels) .....B  
**N. H.—Concord**  
 Dustin Island Woolen Mills

# WOOLEN GOODS

(Flannels; Dress Goods) B  
**N. H.—Hillsborough Bridge**  
Hillsborough Woolen Mill  
Co. (Suits; Kersey) A  
**N. H.—Hinsdale**  
Avidon & Son, (has. J.  
(Meltons; Chevots) B  
Halle & Frost Mfg. Co.  
(Kersey; Cassimeres;  
Flannels) B  
**N. H.—Lebanon**  
Carter & Rogers B  
**N. H.—Manchester**  
Devonshire Mills (Cassim-  
meres; Cloakings; Dress  
Goods) B  
**N. H.—Newport**  
Richards & Sons, Dexter  
(Twilled Flannels; Suits-  
ings) AAA  
**N. H.—Rochester**  
Cocheco Woolen Mfg. Co.  
(Chevots; Outings; Suits-  
ings; Broadcloths; Cas-  
simeres) A  
Gonic Mfg. Co. (Flannels;  
Dress Goods; Suits) A  
**N. H.—Tilton**  
Tilton Mills (Tweeds; Mel-  
tons) A  
**N. J.—Bloomfield**  
Oakes & Co., Thomas  
(Cloths) AAA  
**N. J.—Bound Brook**  
Bound Brook Woolen Mills  
(Overcoatings; Cloakings)  
AA  
**N. J.—Passaic**  
Algonquin Co. (Cotton  
Warp) AA  
Botany Worsted Mills  
(Dress Goods) AAAA  
Dundee Woolen Co. (Fancy  
Cassimeres) C  
Gera Mills (Dress Goods) A  
Passaic Woolen Co.  
(Cassimeres) B  
Robertsford Worsted Mills  
(Serges; Dress Goods) B  
**N. J.—Raritan**  
Raritan Woolen Mills  
(Chinchillas; Beavers;  
Kersey; Meltons) A  
Somerset Mfg. Co. (Cas-  
simeres; Overcoatings) A  
**N. J.—Somerville**  
Somerville Woolen Mills  
(Worsted; Cassimeres) A  
**N. J.—Trenton**  
Colonial Woolen Co.  
(Cassimeres) B  
Williams Mfg. Co., Jno.  
(Flannels; Cassimeres;  
Dress Goods) A  
**N. J.—Auburn**  
Auburn Woolen Co. B  
Brooks & Sons, Jas. (Flan-  
nells) D  
**N. Y.—Fulton**  
Fulton Worsted Mills  
(Clays; Serges; Diag-  
onals) AAAA  
**N. Y.—Honey Falls**  
Hunt, A. H. (Flannels) D  
**N. Y.—Jamestown**  
Broadhead & Sons, Wm.  
(Worsted; Dress Goods;  
Suits) AAAA  
Empire Worsted Mills  
(Worsted Dress) A  
Jamestown Woolen Mills  
(Flannels; Cassimeres)  
AAAA  
Jamestown Worsted Mills  
(Dress Goods; Suits)  
AAAA  
Meadow Brook Mills  
(Dress Goods) AAAA  
**N. Y.—Madrid**  
Madrid Woolen Mills  
(Pant Cloth) C  
**N. Y.—Malone**  
Ballard & Co., J. O.  
(Cassimeres) C  
Lawrence Webster Co.  
(Cassimeres) B  
**N. Y.—Marcellus**  
Crown Mills (Fancy) A  
New York City  
Abeeg & Rusch (Com.  
Serges; Cloakings; Dress  
Goods) AAAA  
Abrahams & Schwarz

# WOOLEN GOODS

(Imptr.) A  
Armstaedt & Co. (Imp.) AA  
Auffmordt & Co., C. A.  
(Com. Cloakings; Dress  
Goods; Etc.; Also Imp.)  
AAAA  
Bachmann, Emmerich & Co.  
(Com.) B  
Bacon & Co. (Com.) AAA  
Bairendahl & Co., H.  
(Imp.) A  
Battelle, Hurd & Co.  
(Com.) A  
Boessneck, Broesel & Co.  
(Com. Worsted; Dress  
Goods; Cloakings) AAAA  
Brigg & Sons, Jno. F.  
(Com. Worsted; Also  
Imp.) AAA  
Brooke & Co., J. (Import.)  
A  
Brown Sons & Co., M.  
(Com. Flannels) B  
Butterfield & Co., Frank  
(Impt.) AAAA  
Caeser & Co., H. A. (Com.  
Dress Goods) AAA  
Cohn, Salo. (Com. Dress  
Goods) A  
Converse, Stanton & Co.  
(Com. Cassimeres; Worst-  
eds; Cloakings; Overcoat-  
ings; Dress Goods) AAA  
Cooke & Co., Jas. W.  
(Com.) ?  
Curtis & Warren (Com.) B  
Deering, Milliken & Co.  
(Com.) AAAA  
Derby & Co., W. E.  
(Com.) A  
Dickey & Sons, W. J.  
(Com.) AAA  
Downing, Clark & Co.  
(Import.) A  
Ellison & Sons, Jno. B.  
(Imp.) AAAA  
Farish-Stafford Co. (Com.)  
B  
Faulkner, Page & Co.  
(Com. Dress Good. Etc.)  
AAA  
Fisher Sons & Co., M.  
(Import) AAAA  
Fithian & Co., J. H.  
(Com.) A  
Fleitmann & Co. (Com.,  
Also Com. Dress Goods)  
AAAA  
Floyd Bros. (Com.) AA  
Fornes & Co., C. V. (Imn.)  
AA  
Forstman & Co. (Imp.) AAA  
Foster & Co., F. A. (Com.)  
AA  
Galey & Lord (Com.) A  
Glittermann & Co., Hy.  
(Import) B  
Greelt, Cushman & Record  
(Com. Cassimeres; Beav-  
ers; Suits) AAA  
Harding, Whitman & Co.  
(Com. Worsted; Dress  
Goods) AAAA  
Hardt, Von Bernuth & Co.  
(Com. Worsted) AAAA  
Hayes & Co., O. H. (Com.)  
AA  
Iselin & Co., Wm. (Com.  
Worsted; Dress Goods)  
AAAA  
Joy, Langdon & Co. (Com.  
Cassimeres; Dress Goods)  
AAAA  
Julliard & Co., A. D. (Com.  
Worsted; Cassimeres;  
Dress Goods) AAAA  
King Beals & Co. (Mfgs.  
Agts. Dress Goods) AAAA  
Kinnhardt & Stockton (Com.  
Worsted; Dress Goods;  
Cloakings) AA  
Lamb, Finlay & Co. (Com.)  
AA  
Langley & Co., W. H.  
(Com.) AAAA  
Lawrie, Mann & Drowne  
(Com. Worsted) A  
Leonard, Wm. B.  
(Import) A  
Libby & Co., H. J. (Com.  
Cloakings. Etc.) A  
McEvoy, Jno. F. (Import)  
B

# WOOLEN GOODS

Mackintosh, Taft & McKen-  
ney (Com.) .....A  
Mall & Co., Hy. W. T.  
(Com.; Also Import) AA  
Mason & Hanson (Import)  
AA  
Masters & Co., Francis R.  
(Com. Flannels) ..... B  
Metclaf Bros. & Co. (Com.  
Worsteds; Cloakings;  
Coatings; Meltons; Cas-  
simeres) ..... AAA  
Miller, Doull & Co. (Com.  
Dress Goods) ..... A  
Minot Hooper & Co. (Com.  
Worsteds) ..... AAAA  
Neuss, Hesselin & Co.  
(Import) ..... B  
Oelbermann, Dommerich &  
Co. (Com. Flannels)  
AAAA  
Ogden & Brook (Import)  
AAA  
Oright & Co., A. (Import)  
AAA  
Parker, Wilder & Co. (Com.  
Flannels; Ladies' Suit-  
ings; Sackings) .....AAAA  
Patterson & Greenough  
(Com. Broadcloth) .... B  
Pipsey Co., B. Y. (Com.) B  
Reynolds & Co., E. B.  
(Import.) ..... B  
Rockfellow & Co., W. H.  
(Com.) ..... A  
Rothschild & Co., V.  
Henry (Com.) ..... B  
Rubenstein, Louis (Import.)  
B  
Sawyer & Blake (Com.  
Cloakings; Dress Goods)  
AA  
Schefer, Schramm & Vogel  
(Com. Dress Goods)AAAA  
Schnabel Bros. (Woolens;  
Worsteds; Cassimeres)  
Also Import.) ..... AAA  
Shreve & Adams (Com.) A  
Siebert, Stolte & Co.  
(Import.) ..... B  
Slater & Sons, S. (Com.)  
AAAA  
Smith, Hogg & Co. (Com.)  
AAAA  
Stein & Co., S. (Import)  
AAA  
Stern & Co., Jas (Com.  
Dress Goods) ..... AA  
Stevens & Co., J. P. (Com)  
A  
Stevens, Sanford & Handy  
(Com. Worsteds) ....AA  
Stieglitz & Son, M. L.  
(Import) ..... A  
Stoney & Son, W. (Com.) B  
Stursburg, Schell & Co., W.  
(Import) ..... A  
Sullivan Vail & Co. (Com.  
Worsteds, Cassimeres,  
Cloakings; also Import)  
AAA  
Talcott, James (Com. Ker-  
seys; Cassimers; Worst-  
eds) .....AAAA  
Townsend & Co., E. M.  
(Com.) .....A  
Treat & Converse (Com.)  
AAA  
Uhlige & Co. (Import) ..B  
Van Ingen & Co., E. H.  
(Import) ..... AAAA  
Victor & Achells, Fred  
(Com.) ..... AAAA  
Wallach, Hoexter & Co.  
(Import.) ..... A  
Watson, Porter, Giles & Co.  
(Com.) ..... A  
Weed & Bro. (Com.) .AAA  
Wellington, W. L. (Com.  
Dress Goods) ..... A  
Wendel Fay & Co. (Com.  
Cassimeres, Suitings;  
Overcoats; Flannels; Uni-  
form Cloth) ..... A  
Whitman & Phelps (Com.  
Worsteds) ..... AAA  
Willis & Co., W. P. (Im-  
port.) ..... A  
Wilmerding & Bisset (Com.)  
AA  
Wilson & Bradbury (Com.)  
AAA  
Woods, Lowry & Co. (Im-

# WOOLEN GOODS

port )..... A  
N. Y.—Rochester  
Allen Woolen Mills (Dress  
Goods) ..... B  
N. Y.—Rockwells Mills  
Rockwell & Co., C. W.  
(Cassimeres) ..... B  
N. Y.—Sandusky  
Hayden, Theodore (Flannel  
Shirting) ..... O  
N. Y.—Seneca Falls  
Seneca Woolen Mills (Suit-  
ings; Overcoatings; Cloak-  
ings) ..... B  
N. Y.—Skaneateles Falls  
Glenside Woolen Mills  
(Unions; Meltons) .... A  
N. Y.—Stottville  
Stott Woolen Co. (Flannels;  
Dress Goods; Cloakings)  
B  
Warrensburg Woolen Co.  
(Cassimeres) ..... A  
N. Y.—Waterloo  
Waterloo Woolen Mfg. Co.  
(Indigo Uniform Cloths;  
Overcoatings) ..... A  
N. C.—Elkin  
Clatham Mfg. Co. (Jeans,  
Flannels; Cassimeres) B  
N. C.—Patterson  
Gwyn-Harper Mfg. Co.  
(Cassimeres; Jeans) ..B  
N. C.—Spray  
Leakesville Woolen Mills A  
OHIO—Ashtabula  
Ashtabula Worsteds Mills  
(Women's Dress Goods) B  
OHIO—Cincinnati  
Putnam Hooker & Co.  
(Com.) ..... A  
OHIO—Cleveland  
Beckman Co., The  
(Cheviots; Clays) .... A  
OHIO—Columbus  
Columbus Woolen Mill Co.  
(Skirtings) ..... B  
OHIO—Dresden  
Muskigum Valley Woolen  
Mfg. Co. (Plain & Fancy  
Cassimeres) ..... B  
OHIO—Napoleon  
Napoleon Woolen Mills  
(Flannels) ..... O  
OREGON—Eugene  
Willamette Valley Woolen  
Mfg. Co. (Flannels; Cas-  
simeres) ..... O  
OREGON—Oregon City  
Oregon City Mfg. Co.  
(Cassimeres; Flannels) A  
OREGON—Portland  
Portland Woolen Mills  
(Fancy) ..... B  
PA.—Aston Mills  
Rhodes Bros. (Jeans; Doe-  
skins; Kerseys) ..... B  
PA.—Bloomsburg  
Caswell & Co., C. E.  
(Cassimeres) ..... B  
PA.—Bridgeport  
Smith, Isaac W. (Cas-  
simeres) ..... B  
PA.—Bristol  
Steel & Co., Edw. T.  
(Men's Worsteds) AAAA  
PA.—Brookville  
Brookville Woolen Mills  
(Dress Goods) ..... B  
OHIO—Canton  
Cardington Mills (Cas-  
simeres) ..... A  
PA.—Chambersburg  
Chambersburg Woolen Co.  
(Cheviots; Cassimeres;  
Cloakings) ..... A  
PA.—Chester  
Aberfoyle Mfg. Co. (Dress  
Goods; Shirtings; Chev-  
iots) ..... AAA  
Hetzl Co., Geo. C. (Worst-  
ed Suitings; Coatings) A  
Irving & Son, Jas (Cas-  
simeres) ..... B  
PA.—Clifton Heights  
Kent Mfg. Co., Thomas  
(Flannels; Kerseys) AA  
PA.—Conshohocken  
Conshohocken Woolen Co.  
(Kerseys; Diagonals;  
Suitings; Overcoating) A  
PA.—Darby

## WOOLEN GOODS

Verlenden Bros. (Jeans, Etc.) ..... B  
**P.A.—Honesdale**  
 Birdsall Bros. (Cassimeres; Flannels) ..... B  
**P.A.—Norristown**  
 Norristown Woolen Co. (Cassimeres; Blouse Flannels; Government Kerseys) ..... B  
 Watt & Son, Wm. (Cheviots; Cassimeres) B  
 Woodstock Mills Co. (Cassimeres; Cloakings; Chin-chillas) ..... B  
**P.A.—Philadelphia**  
 Bochmann & Co., Francis (Worsted Dress) ..... A  
 Brown & Co., C. M. (Cassimeres) ..... B  
 Carruth & Co., Jno. G. Men's; Women's Worsteds) ..... AAA  
 Connelly & Sons, Jas. (Checks; Cheviots) .... A  
 Culbertson & Sons, Jno. (Dress Goods) ..... B  
 Dobson, Jno. (Overcoatings; Cloakings) ..... B  
 Farnum & Co., Jno. (Com.) AAAA  
**Greer, Benj. W. (Worsteds)** B  
 Griffen Co. (Plain & Fancy Dress) ..... B  
 Imperial Woolen Co. (Overcatings; Kerseys) AA  
 Keim & Co., J. R. (Worsteds; Suitings; Trouserings) ..... AAA  
 Long Bros. Co. (Worsted Dress) ..... A  
 Porter & Son, Chas. (Worsteds; Dress Goods) AAA  
 Southwark Mills Co. (Cloakings; Dress Goods; Suitings) ..... AA  
 Sullivan & Co., Wm. (Men's Worsted Wear) B  
 Vogler, Jno. G. (Worsted Dress) ..... A  
 Williams Mfg. Co., Jno. (Dress Goods; Flannels; Cassimeres) ..... A  
 Wilson, Thomas H. (Dress Goods) ..... B  
 Wilson & Bradbury (Com.) AAA  
 Wood & Co., Wm. (Worsted Suitings; Woolen; Cassimeres; Flannels; Cloakings) ..... AAAA  
**P.A.—Reading**  
 Brumbach, Alb. J. (Cassimeres) ..... AA  
 Leinbach & Co., J. G. (Cassimeres) ..... A  
**P.A.—Stony Creek Mills**  
 Kraemer & Co., Louis (Cassimeres) ..... A  
**P.A.—Woolrich**  
 Rich & Bros., Jno. (Flannels) ..... A  
**P.A.—Worthington**  
 Graff & Co., Peter (Flannels) ..... A  
**R. I.—Burrillville**  
 Oakland Worsted Co. (Worsted Sackings) .. B  
 Glendale Woolen Mill (Fancy Cassimeres; Worsteds) ..... B  
 Sayles & Sons, A. L. (Fancy Cassimeres; Worsteds) A  
 Sayles Co., Fred L. (Suitings; Worsteds) ..... B  
**R. I.—Hopkinton**  
 Ashaway Woolen Co. (Cassimeres; Suitings) .... B  
**R. I.—No-Kingston**  
 Belleville Woolen Mills (Cassimeres; Kerseys; Vicunas) ..... B  
 Oak Hill Mill (Unions; Worsteds) ..... AAA  
 Rodman Mfg. Co. (Doe-skins; Jeans; Suitings) AAA  
 Wickford Worsted Mills (Worsteds) ..... AA  
**R. I.—No-Providence**  
 Lymanville Co. (Worsted

## WOOLEN GOODS

Suitings) ..... AAA  
**R. I.—Pascoag**  
 Farwell Worsted Mills (Worsted Suitings; Trouserings) ..... AA  
**R. I.—Pawtucket**  
 Lorraine Mfg. Co. (Worsted; Cotton Dress; Shirts) ..... AAAA  
**R. I.—Potter Hill**  
 Atlantic Mills ..... AAAA  
**R. I.—Providence**  
 Earncliffe Worsted Mills (Fancy Worsteds) ..B  
**R. I.—Richmond**  
 Carolina Mills Co. (Fancy Cassimeres; Worsteds) A  
 Kenyon & Son, E. (Fancy Cassimeres; Overcoatings) A  
**R. I.—South Kingston**  
 Peace-Dale Mfg. Co. (Cassimeres; Cheviots; Overcoatings; Serges) AAAA  
**R. I.—Warwick**  
 Kent Mfg. Co. (Cassimeres; Worsteds) ..... A  
**R. I.—Westerly**  
 Westerly Woolen Co. (Cassimeres; Worsteds) .... A  
**R. I.—Woonsocket**  
 Lippitt Woolen Co. (Fancy Cassimeres; Worsteds) AA  
 Perserverance Worsted Co. (Men's Fancy Worted) B  
**S. C.—Knoxville**  
 Knoxville Woolen Mills (All Wool Cassimeres) AAA  
**TENN.—Jefferson City**  
 Jefferson City Woolen Mills (Cassimeres) ..... B  
**TENN.—Pine Wood**  
 Pine Wood Cotton Mills (Sheetings) ..... A  
**TENN.—Sweetwater**  
 Sweetwater Woolen Mills (Jeans; Doeskins; Mixed Fabrics) ..... A  
**TENN.—Waco**  
 Slayden-Kirksey Woolen Mills (Cassimeres; Worsteds; Jeans) ..... AA  
**UTAH—Ogden**  
 Ogden Woolen Mills Co. (Flannels; Batts; Etc.) B  
**UTAH.—Provo City**  
 Provo Woolen Mills Co. (Cassimeres; Flannels; Dress Goods; Linseys) B  
**VT.—Bennington**  
 Holden & Co., Leonard (Dress Goods; Cloakings; Overcoatings) ..... AA  
**VT.—Bridgewater**  
 Mackenzie, F. S. (Suitings) A  
**VT.—Ludlow**  
 Black River Woolen Co. (Overcoatings; Cloakings) ..... B  
**VT.—North Hartland**  
 Ottaquechee Woolen Co. (Meltons; Kerseys; Beavers) ..... A  
**VT.—Springfield**  
 Slack & Bro., W. H. H. (Shoddy; Flocks) .... A  
**VA.—Charlottesville**  
 Charlottesville Woolen Mills (Cadet Greys; Sky & Dark Blue) ..... A  
**VA.—Mouth of Wilson**  
 Fields & Hash Mfg. Co. (Cassimeres) ..... B  
**W. VA.—Martinsburg**  
 Crawford Woolen Co. .... B  
**WIS.—Beaver Dam**  
 Beaver Dam Woolen Mills (All Wool Cassimeres; Dress Goods) ..... A  
**W. VA.—Menasha**  
 Hewitt & Co., W. P. (Flannels; Skirtings; Dress Goods) ..... AAA

## WORK

For Bent Carriage Work, etc., See Woodwork; Carriage; For Fretwork, see Grilles; For Ironwork, see Iron, etc.

**WORK (Con.)**

**GA.—Dawson**  
Variety Works Co. (Orna-  
mental Turned) .....D  
**ILL.—Chicago**  
Amer. Terra Cotta Ceramic  
Co., 204 Dearborn (Terra  
Cotta) .....A  
Light Mfg. Co., Geo. W.  
(Fret) .....E  
**MD.—Baltimore**  
Burns, Russell & Co. (Terra  
Cotta) .....B  
**MASS.—Springfield**  
Cheney-Bigelow Wire Works  
(Elevator Wire) .....A  
**MICH.—E. Saginaw**  
Mereshon & Co., Wm. B.  
Inc. (Fret) .....A  
**MO.—St. Louis**  
Mesker & Bro. (Ornamen-  
tal Zinc) .....AA  
**N. J.—Perth Amboy**  
Perth Amboy Terra Cotta  
Co. (Terra Cotta) ....AA  
**N. Y.—Binghamton**  
Roberson & Son, A. (Fret)  
AA  
**N. Y.—Brooklyn**  
Cross, Austin & Ireland  
Lumber Co. (Fret) ...AA  
**New York City**  
Excelsior Terra Cotta Co.,  
287 4th Av. (Terra Cotta)  
A  
Fiske, J. W. (Art Iron) ..B  
Howard & Morse (Elevator  
Wire) .....D  
Jackson Architectural Iron  
Wrks. (Art Iron) ....X  
Westeryelt, A. B. & W. T.  
(Ornamental Zinc) ....B  
**N. Y.—Syracuse**  
Will & Baumer Co. (Wax)  
AA  
**OHIO—Cincinnati**  
Cinn. Sewer Pipe Co. (Ter-  
ra Cotta) .....E  
**OHIO—Hamilton**  
Meyers Mfg. Co., Fred J.  
(Elevator Wire) .....B  
**PA.—Philadelphia**  
Cassel, Jacob C., 709 Arch  
St. (Terra Cotta) .....D  
Hall & Garrison (Fret) ..X  
**PA.—Reading**  
Reading Terra Cotta &  
Stove Lining Works  
(Terra Cotta) .....C

**WORKERS**

**ILL.—Chicago**  
Creamery Package Mfg. Co.  
(Butter) .....AAAA  
**ILL.—Elgin**  
Barclay, D. F. (Butter) ..A  
**ILL.—Rockford**  
Palmer Co., H. H. (Butter)  
D  
**IOWA—Clinton**  
Moseley & Pritchard Mfg.  
Co. (Butter) .....D  
**MICH.—Flint**  
Flint Cabinet Creamery Co.  
(Butter) .....E  
**N. Y.—Flemington**  
Mallery Mfg. Co. (Shutter)  
E  
**N. Y.—Cattaraugus**  
Oakes & Burger (Butter) ..B  
**N. Y.—Little Falls**  
Burrell & Co., D. H. (But-  
ter) .....AAAA  
**N. Y.—Potsdam**  
Thatcher Mfg. Co. (Butter)  
A  
**N. Y.—Syracuse**  
Gowing, D. H. (Butter) ..C  
**N. Y.—Utica**  
Jones, Frank L. (Butter) ..C  
**PA.—Philadelphia**  
Reid, A. H. (Butter) ..A  
**VT.—Bellows Falls**  
Vermont Farm Machine Co.  
(Butter) .....C  
**WIS.—Fort Atkinson**  
Cornish, Curtis & Greene  
Mfg. Co. (Butter) ....A  
2182 WORKS.  
**MD.—Baltimore**

**WORKERS (Con.)**

Poole & Son Co., Robt.  
(Gearing) .....A  
**N. Y.—New York City**  
Jochum, Andrew (Bolling)  
D  
**PA.—Philadelphia**  
Bilgram, Hugo (Gearing) ..A  
**PA.—Wilkesbarre**  
Vulcan Iron Works (Gear-  
ing) .....AAAA

**WORKS: FIRE**

See Fire Works

**WORSTEDS**

See Woolen Goods

**WRAPPERS:****BOTTLE**See also Clothing: Ladies',  
for Wrappers

**ILL.—Chicago**  
Sefton Mfg. Co., J. W., 241  
S. Jeff. ....AA  
**MO.—St. Louis**  
Yocum & Kacer Mfg. Co.,  
2008 S. 8th .....E  
**N. J.—Hoboken**  
Excelsior Wrapper Co. ..C  
**N. Y.—Brooklyn**  
Thompson & Norris Co. ....AA  
**New York City**  
Hinde & Dauch Paper Co. A  
A

**OHIO—Dayton**  
Nixon & Costello Co. ....C  
**OHIO—Sandusky**  
Sandusky Wrapper Co.  
(Straw) .....D

**OHIO—Dayton**  
Nixon & Costello Co. ....C  
**OHIO—Sandusky**  
Sandusky Wrapper Co.  
(Straw) .....D

**WREATHS**

**N. Y.—New York City**  
Neumann, A. A., 24 E. 4th  
(Bridal; Communion) ..C

**WRENCHES**

**CAL.—San Francisco**  
Atlas Pipe Wrench Co.  
Flood Bldg. (Pipe) ....B  
Doble Co., Abner (Railroad  
Track) .....A  
**CONN.—Bridgeport**  
Armstrong Mfg. Co. (Pipe  
Reamer) .....A  
Bridgeport Gun Implement  
Co., 219 Elm (Bicycle;  
Pocket) .....A  
Hotchkiss, Edward S.,  
Wrenches (S) .....A  
Hurwood Mfg. Co. (Carriage  
Wagon) .....B  
Knapp & Cowles Mfg. Co.  
(Pocket) .....C  
Smith & Egge Mfg. Co. (Ad-  
justable Socket; Bicycle;  
Pocket; Screw; Mecha-  
nics; Agricultural) ...A  
**CONN.—Bristol**  
Turner & Deegan (Bicycle;  
Pocket) .....E  
**CONN.—Easthampton**  
Bevin Bros. Mfg. Co. (Nip-  
ple) .....B  
**CONN.—Forestville**  
Andrews, C. E. (Bicycle;  
Pocket) .....A  
**CONN.—Hartford**  
Billings & Spencer Co. (all  
Kinds) .....A  
Pratt & Whitney Co. (Ad-  
justable Top; Engineers';  
Machinists'; Top;  
Reamer) .....AAAA  
**CONN.—Mount Carmel**  
Woodruff & Sons, Walter  
W. (Carriage; Wagon) ..A  
**CONN.—New Haven**  
Barnes Tool Co. (Bicycle  
Pipe Pocket) .....B  
Belden Machine Co. (Brass;  
Nickel Pipe) .....D

**WRENCHES (Con.)**

**Crown & Co., R. H. (Drop Forge)** ..... B  
**Killborn & Bishop Co. (Drop Forged Pipe)** .... C  
**CONN.—Rockfall**  
**Smith, Otis A.** ..... B  
**CONN.—Southington**  
**Peck, Stow & Willcox Co. (Bicycle; Engineers' Machinists'; Pipe; Screw; Pocket; Mechanics' Agricultural)** ..... AAAA  
**CONN.—South Norwalk**  
**Le Count, Wm. G. (Steel Dog; Screw)** ..... A  
**CONN.—Torrington**  
**Union Hardware Co. (Pipe)** ..... A  
**ILL.—Carpentersville**  
**Star Mfg. Co. (Adjustable; Alligator; Pipe-Jaw; Bicycle; Pocket; Screw; Mechanics; Agricultural)** ..... A  
**ILL.—Chicago**  
**Beckley-Ralston Co., 178 Lake (Bicycle; Pocket; Screw)** ..... C  
**Besly & Co., Chas. H., 10 N. Canal (Reamer; Tap)** ..... AA  
**Crane Co. (Adjustable Steam Pipe)** ..... AAAA  
**Duffy, J. F., 125 Indiana (Bicycle; Pocket)** .... X  
**Harris & Co., Samuel, 23 So. Clinton (Socket)** ... B  
**Illinois Malleable Iron Co. 30 W. Monroe (Pipe)** ..... AAAA  
**Klein & Son, Mathias, 87 W. Van Buren (Lag Screw; Splicing)** ..... A  
**Lovejoy, T. H., 90 Ohio (Ratchet)** ..... G  
**Mark Mfg. Co. (Adjustable)** ..... B  
**Monash Younker Co., 201 S. Canal (Pipe)** ..... B  
**Parmelee Wrench Co., 1038 W. Monroe (Gridle Pipe)** ..... E  
**Railroad Supply Co., Bedford Bldg. (Ratchet)**... A  
**Sheffy Mfg. Co., 184 La Salle (Pipe)** ..... D  
**Solid Steel Tool Co., 11 So. Jeffin (Drop Forged; Off Set; Track)** ..... F  
**Sturges & Burn M'f'g Co. Bicycle Pocket)** ..... A  
**Union Drop Forge Co., 66 E. Ohio (Track)** ..... A  
**Vaughan & Bushnell Mfg. Co. (Pipe)** ..... B  
**Whitman & Barnes Mfg. Co. (Alligator; Bit; Combination; Engineers' and Machinists' Pipe)** ..... AAAA  
**ILL.—Downers' Grove**  
**Dicke Tool Co. (Lag Screw; Splicing)** ..... C  
**ILL.—Kewanee**  
**Western Tube Co. (Steam & Gas Stock)** ..... AAA  
**IND.—Evansville**  
**Evansville Tool Works (Track)** ..... A  
**IND.—Indianapolis**  
**Indianapolis Drop Forging Co. (Drop Forged)** .... B  
**IND.—Shelbyville**  
**Vandergrift Mfg. Co. (Agricultural; Combination; Pipe)** ..... F  
**IND.—South Bend**  
**Sandage Steel Skein Co. (Wagon Skein)** ..... B  
**IOWA.—Marshalltown**  
**Hawkeye Wrench Co. (Combination; Pipe)** ..... B  
**MD.—Baltimore**  
**Kemp Mfg. Co., C. M., 1501 Guilford Av. (Ratchet)** C  
**MASS.—Athol**  
**Athol Machine Co. (Screw)** ..... A  
**MASS.—Attleboro**  
**Mossberg Co., Frank (Forged Steel Pipe; Bicycle; Pocket; Screw;**

**WRENCHES (Con.)**

**Mechanics Agricultural)** ..... B  
**MASS.—Boston**  
**Harvey, H. H., 608 Atlantic Av. (Track)** ..... B  
**Walworth Mfg. Co. (Engineers; Machinists; Pipe; Tap; Reamer; Trap)** ..... AAAA  
**Welch & Co., T. F., 65 Sudbury (Adjustable; Tap)** ..... D  
**MASS.—Chicopee Falls**  
**Stevens Arms & Tool Co., J. (Tap; Reamer)** ..... A  
**MASS.—Fitchburg**  
**Johnson-Iver Arms & Cycle Works (Pipe)** ..... A  
**Sawyer Tool Mfg. Co. (Tap Reamer)** ..... C  
**MASS.—Greenfield**  
**Reece Co., E. F. (Tap; Reamer)** ..... E  
**Wells Bros. Co. (Tap; Carriage; Wagon; Reamer; Ratchet)** ..... A  
**Wiley & Russell Mfg. Co. (Tap; Brace; Reamer)** AA  
**MASS.—Mansfield**  
**Card Mfg. Co., S. D., (Engineers'; Machinists'; Tap; Reamer)** ..... B  
**MASS.—Millers Falls**  
**Millers Falls Co. (Carriage Wagon)** ..... AA  
**MASS.—New Bedford**  
**Morse Twist Drill & Machine Co. (Tap; Reamer)** ..... AAA  
**MASS.—Pittsfield**  
**Robbins, Gamwell & Co. (Chain Pipe)** ..... A  
**MASS.—Roxbury**  
**Trimont Mfg. Co. (Chain; Combination; Drop Forged; Pipe)** ..... D  
**MASS.—Springfield**  
**Bemis & Call Hdw. & Tool Co. (Adjustable; Combination; Pipe; Screw; Mechanics; Agricultural)**... A  
**MASS.—Worcester**  
**Coes Wrench Co. (Agricultural; Engineers'; Machinists'; Knife Handle; Metal Handle; Nut; Screw; Mechanics)** ..... A  
**Smith & Co., Thomas (Bicycle Pocket)** ..... D  
**Wakefield, Jno. E. (Pipe; Bicycle; Pocket; Combination)** ..... B  
**Wilson & Smith (Drop Forged)** ..... D  
**MASS.—Wrentham**  
**Winter Bros. Co. (Socket; Tap; Reamer)** ..... E  
**MICH.—Battle Creek**  
**La Gripper Wrench Co. (Drop Forged; Pipe)** ... D  
**MICH.—Detroit**  
**Anderson & Sons, W. H. (Track)** ..... C  
**MICH.—Kalamazoo**  
**Kalamazoo Railway Supply Co. (Track)** ..... B  
**MICH.—Menominee**  
**Dudley Mfg. Co., A. (Bicycle Pocket Combination; Pine, Nut Combined)** ... F  
**MINN.—Owatonna**  
**Washington Tool Co. (Steel Alligator)** ..... D  
**MINN.—St. Paul**  
**Helwig Mfg. Co. (Screw; Mechanics; Agricultural)** ..... F  
**MISS.—St. Louis**  
**Handlan-Buck Mfg. Co. 212 N. 3rd (Engineers'; Machinists'; Pipe)** ..... AA  
**N. H.—Antrim**  
**Goodell Co. (Carriage; Wagon)** ..... A  
**N. J.—Elizabeth**  
**Braunsdorf-Mueller Co. (Adjustable; Brace; Tap; Reamer; Socket)** ..... D  
**N. J.—Garwood**  
**Brock Wrench Mfg. Co. (Chain; Drop Forged; Flange; Pipe; Spanner)** E



**WRENCHES (Con.)**

**N. J.—Mahwah**  
American Brake Shoe & Foundry Co. (Cast Steel) AA

**N. J.—Newark**  
Atha Tool Co. (Railroad Track) .....A  
Bernz, Otto, So. 12th & Orange Av. (Basin) ...B  
Osborne & Co., C. S., 96 Mechanic (Basin) .....B  
Sayre & Co., L. A., 382 Mulberry (Basin) .....B

**N. J.—Trenton**  
Roebbling's Sons Co., Jno. A. (Drop Forged Alligator) AAAA

**N. Y.—Auburn**  
Eccles-Richard Co. (Drop Forged Carriage) .....B

**N. Y.—Brooklyn**  
Williams & Co., J. H., 9 Richards (All Kinds) AAA

**N. Y.—Buffalo**  
Crosby Co. (Bicycle Pocket) A  
Forsyth Mfg. Co. (Bicycle) C

**Keystone Mfg. Co. (Adjustable; Adjustable; Pipe; Single Acting & Reversible; Ratchet; Socket; Tap and Reamer; Stud Driver; Pipe) .....C**

**Pratt & Letchworth (Carriage; Wagon) .....AAA**

**Union Mfg. & Specialty Co. (Bicycle Pocket) .....D**

**N. Y.—Kenwood**  
Oneida Community (Ltd.) (Tap) .....AAA

**N. Y.—Long Island City**  
Brock Forging & Mfg. Co., 225 Borden Av. (Drop Forged Chain; Engineers' Machinists'; Flange; Pipe; Drop Forged Spanner; Double Head Tool Post) F

**New York City**  
Ashcroft Mfg. Co., 85 Liberty (Pipe) .....A  
Collins & Co., 212 Water (Monkey) .....A  
Dudgeon, Richard, 24 Columbia (Pipe) .....A  
Eaton, Cole & Burnham Co., 253 B'way (Pipe) AAAA  
Fairbanks & Co., 416 Broome (Adjustable "S"; Pipe; Brace; Carriage; Wagon; Chain; Combination; Drop Forged; Screw; Mechanics; Agricultural; Socket; Tap; Reamer) AAAA  
Graham & Co., John H., 113 Chambers (Bicycle Pocket) .....AA  
Greene-Tweed & Co., 17 Murray (Pipe) .....B  
Halls Sons, Samuel, 229 W. 10th (Bicycle; Pipe; Pocket) .....A  
Jennings Co., C. E., 101 Reade (Bicycle Pocket) D  
McCoy Co., Jos. F., 28 Warren .....B  
Prentiss Vice Co., 44 Barclay (Pipe) .....C  
Russell & Erwin Mfg. Co., 43 Chambers (Screw; Mechanics'; Agricultural) AAAA  
Sargent & Co. 151, Leonard (Bicycle; Pocket) AAAA  
Smith & Hemlinway Co., 296 Broadway (Bicycle; Pocket) .....D  
Tower & Lyon Co. 95 Chambers (Bicycle Engineers'; Machinists'; Pipe; Carriage; Wagon; Combination; Pocket; Screw; Mechanics; Agricultural) B  
Volger, Wm. B., 88 Chambers (Pipe) .....D

**N. Y.—Oswego**  
Oswego Tool Co. (Drop Forged Pipe) .....C

**N. Y.—Richford**  
Hills Wrench & Mfg. Co. (Pipe Chain) .....F

**WRENCHES (Con.)**

**N. Y.—Utica**  
Utica Drop Forge & Tool Co. (Drop Forged Pipe) ....C

**N. Y.—Waterford**  
Hollroyd & Co. (Adjustable; Tap; Reamer) .....A

**N. Y.—Wayland**  
American Drop Forging & Tool Co. (Pipe) .....E

**OHIO—Alliance**  
Transue & Williams Co., (Drop Forged; Drop Forged Pipe; Drop Forged Screw; Mechanics'; Agricultural) .....A

**OHIO—Akron**  
Whitman & Barnes Mfg. Co. (Adjustable; Alligator; Bicycle and Pocket; Box; Brace Socket; Combination; Bull Dog; Engineers' and Machinists' Screw; Screw; Spanner; Tool Post; Mechanics'; Agricultural) .....AAAA

**OHIO—Canton**  
Buckeye Mfg. Co. (Adjustable) .....D

**OHIO—Cincinnati**  
Cincinnati Screw & Tap Co. (Drop Forged) .....B  
Lunkenheimer Co., Beekman & Waverly (Spanner) AAA

**OHIO—Cleveland**  
Chisholm & Moore Mfg. Co. (Screw) .....AA  
Cleveland Hardware Co. (Carriage; Wagon) ....A  
Hart Mfg. Co., 22 Wood (Adjustable Tap) .....B  
Lamson & Sessions Co. (Agricultural; Bicycle & Pocket; Engineers'; Machinists') .....AA  
Standard Tool Co. (Tap; Reamer) .....AAA

**OHIO—Dayton**  
Dayton Malleable Iron Co. (Engineers' and Machinists' made of Malleable Iron) .....AA

**OHIO—Fayette**  
Fayette Mfg. Co. (Pipe) ..G

**OHIO—Fremont**  
Herbrand Co. (Bicycle) ..B

**OHIO—Norwood**  
Cincinnati Tool Co. (Brace Socket) .....A

**PA.—Allegheny**  
Duff Mfg. Co. (Oil Well Swivel) .....B

**PA.—Chester**  
Keystone Drop Forge Wks. (Alligator; Drop Forged; Engineers' & Machinists' Drop Forged Pipe; Steel Set Screw; Drop Forged Spanner; Drop Forged Tool Post; Track) .....A

**PA.—Erie**  
Erie Mfg. & Supply Co. (Pipe) .....A  
Hollands Mfg. Co. (Pipe) C  
Jarecki Mfg. Co. (Pipe) AAAA

**PA.—Girard**  
Girard Wrench Mfg. Co. (Engineers' and Machinists') .....AAAA

**PA.—Indiana**  
Indiana Foundry Co .....D

**PA.—Mechanicsburg**  
Wilcox Mfg. Co. (Alligator; Pipe Jaw) .....B

**PA.—Millersburg**  
Polk & Son, A. J. (Adjustable Tap & Reamer) ...D

**PA.—Philadelphia**  
Bonney Vise & Tool Wks. 3015 Chestnut (Alligator; Drop Forged; Pipe) ....B  
Chester Steel Castings Co. 407 Sansom (Engineers' & Machinists'; Railroad Track) .....AAA  
Plumb, Fayette, R., Frankford (Track) .....AA  
Storitz & Son, John, 210 Vine (Combination; Bicycle) F

**WRENCHES (Con.)**

**PA.—Pittsburg**  
 Hubbard & Co., Murland Bldg. (Track) .....A  
 Iron City Tool Wks. (Ltd.), 32d & Smallman (Track) .....B  
 Jones & Laughlins Steel Co. (Engineers' & Machinists') .....AAAA  
 Klein-Logan Co., So. 13th & Breed (Track) .....A  
 Oliver Iron & Steel Co. (Track) .....AAAA  
 Pittsburg Tool & Drop Forge Co., Arrott Bldg. (Track) .....E  
**PA.—Reading**  
 Reading Machine & Tool Co (Pipe) .....B  
**PA.—Verona**  
 Verona Tool Wks. (Straight and "T" Track) .....A  
**PA.—Wilkesbarre**  
 Nicholson & Co., W. H. (Pipe) .....C  
**PA.—Williamsport**  
 Darling Pump Mfg. Co. (Ltd.) (Pipe) .....B  
**R. I.—Central Falls**  
 Mossberg Wrench Co. (Adjustable; Pocket; Bicycle; Screw) .....O  
**R. I.—Pawtucket**  
 Carpenter Tap & Die Co. (Tap; Reamer) .....C  
 Pawtucket Mfg. Co. (Tap; Reamer) .....A  
**R. I.—Providence**  
 Rhode Island Tool Co. (Drop Forged; Machine) .....AAA  
**VT.—Derby Line**  
 Butterfield & Co. (Tap; Reamer) .....B

**WRINGERS**

See also Machy

**IND.—Anderson**  
 Anderson Pole & Shaft Co. (Mop) .....E  
**IND.—Indianapolis**  
 Tucker & Dorsey Mfg. Co., State Av. & Bates (Mop; Bucket) .....A  
**IND.—Marion**  
 National Sweeper Co. (Clothes) .....AAAA  
**MICH.—Grand Rapids**  
 Goshen Sweeper Co. (Clothes) .....D  
**MO.—St. Louis**  
 Willard, Wm. G. (Clothes) .....A  
**New York City**  
 American Wringer Co. (Clothes) .....AAAA  
 Oakley & Keating (Clothes) .....A  
**N. Y.—Troy**  
 Troy Laundry Machinery Co. (Ltd.) (Clothes) .....AA  
**OHIO—Cincinnati**  
 American Laundry Machinery Co. (Clothes) .....A  
**OHIO—Circleville**  
 Eagle Cooperage Works (Wringer; Mop; Bucket) .....G  
**OHIO—Springfield**  
 Ohio Wringer & Lawn Mower Co. (Clothes) .....D  
**PA.—Columbia**  
 Wilson Laundry Machinery Co. (Clothes) .....B  
**PA.—Erie**  
 Lovell Mfg. Co. (Ltd) (Clothes) .....AA  
**PA.—Philadelphia**  
 North Bros., Mfg. Co. (Clothes) .....A  
**VA.—Richmond**  
 Richmond Cedar Wks. (Mop Fall) .....AAAA

**YACHTS**

See also Boats.

**CAL.—San Francisco**  
 Risdon Iron & Locomotive Works (Steam) .....AAAA

**YACHTS (Con.)**

**CONN.—Noank**  
 Palmer & Son Ship Bldg. & Marine Ry. Co., E ..X  
**DEL.—Wilmington**  
 Harlan & Hollingsworth Co. (Iron; Steel; Steam) X  
 Pusey & Jones Co. (Iron; Steel) .....AAA  
**ILL.—Chicago**  
 Cuthbert, A. G. ....E  
 Willard & Co., Chas F. (Steam) .....D  
**MAINE—Bath**  
 Harrington, Chas B. ....H  
 New England Co. (Iron; Steel; Steam) .....A  
**MAINE—Portland**  
 Stickney, Henry R. (Steam) .....D  
**MD.—Baltimore**  
 Nilson Yacht Building Co. (Steam) .....D  
 Thomas & Son, Jos. ....D  
**MASS.—East Boston**  
 Atlantic Works (Steam) AA  
 Clark, Edward S. (Steam) X  
 Lawley & Son, Geo. (Inc.) A  
 Sheldon Co., Orin (Steam) D  
**MASS.—Wollaston**  
 Stuart & Co., John .....X  
**MICH.—St. Joseph**  
 Truscott Boat Mfg. Co. (Steam) .....A  
**N. Y.—Brooklyn**  
 Wallin & Gorman .....X  
**N. Y.—Long Island City**  
 Daimler Mfg. Co. ....D  
**N. Y.—Morris Heights**  
 Gas Engineering & Power Co., (C. L. Seabury & Co.) (Steam) .....AAA  
 N. Y. Yacht Launch & Engine Co. (Iron; Steel; Steam) .....B  
**N. Y.—Newburgh**  
 Marsel & Co., T. S. (Iron; Steel) .....B  
**N. Y.—New Rochelle**  
 Huntington Mfg. Co. ....D  
**New York City**  
 N. Y. Safety Steam Power Co. (Steam) .....B  
**N. Y. Nyack**  
 Smith Co., John P. ....E  
**N. Y.—Ogdensburg**  
 Spaulding St. Lawrence Boat Co. ....C  
**N. Y.—Port Jefferson**  
 Bayles & Sons, James M. B  
**N. Y.—Port Richmond**  
 Burlee Dry Dock Co. (Iron; Steel; Steam) A  
**N. Y. Tottenville**  
 Ellis & Son, Jacob T. ..D  
**N. Y.—Upper Nyack**  
 Ayers & Sons, Samuel ..C  
**N. Y.—Yonkers**  
 Fearon, Thos. ....H  
**PA.—Chester**  
 Delaware Iron Ship Building & Engine Works (Iron; Steel) .....AAA  
**PA.—Philadelphia**  
 Cramp & Sons Ship & Eng. Bldg. Co., Wm. (Iron; Steel; Steam) .....AAAA  
**R. I.—Bristol**  
 Herreshoff Mfg. Co. (Steam; Steel) .....A

**YARDS**

**CONN.—Southington**  
 Peck, Stow & Wilcox Co. (Steel) .....AAAA  
**ILL.—Chicago**  
 Fairbanks, Morse & Co. (Steel) .....AAAA  
**MASS.—Springfield**  
 Bemis & Call Hdw. & Tool Co. (Steel) .....A  
**New York City**  
 Fairbanks Co. (Steel) .....AAAA

**YARDSTICKS**

**CONN.—New Britain**

**YARDSTICKS (Con.)**  
Stanley Rule & Level Co. .... AAA  
**CONN.—Fine Meadow** ..... AAA  
Chapin-Stephens Co. .... A  
**CONN.—Springfield** ..... A  
Bradley Co., Milton ..... A  
N. J.—Irvington ..... X  
Belcher Bros. & Co. .... X  
N. Y.—Seneca Falls ..... D  
Westcott-Jewell Co. .... D  
**OHIO—Cleveland** ..... AAAA  
Upson Nut Co. (Br. Unionville, Conn.) ..... AAAA

## YARN

**ALA.—Cottondale** ..... A  
Tuscaloosa Mills (Cotton) A  
**ALA.—Florence** ..... A  
Cherry Cotton Mills (Cotton) ..... A  
**ALA.—Huntsville** ..... A  
Huntsville Cotton Mills (Cotton) ..... A  
**ALA.—Mobile** ..... A  
Mobile Cotton Mills (Cotton) ..... A  
**ALA.—Sycamore** ..... AA  
Sycamore Mills (Cotton) ..... AA  
**ALA.—Talladega** ..... B  
Talladega Cotton Factory (Cotton) ..... B  
**ALA.—Tuscaloosa** ..... C  
Rope & Yarn Mills (Cotton; Mop Cotton) ..... C  
**ALA.—Union Springs** ..... B  
Union Springs Cotton Mills (Cotton) ..... B  
**ARK.—Morrilton** ..... C  
Scanlan, John (Hosiery) C  
**CAL.—San Francisco** ..... A  
Tubbs Cordage Co., 607 Front (Bath) .... AAAA  
**CONN.—Jewett City** ..... AA  
Ashland Cotton Co. (Cotton) ..... AA  
**CONN.—Middletown** ..... AAAA  
Russell Mfg. Co. (Cotton) ..... AAAA  
**CONN.—Moosup** ..... A  
Cranks Floyd (Cotton) A  
**CONN.—New London** ..... AAA  
Brainerd & Armstrong Co. (Mohair) ..... AAA  
**CONN.—Rockville** ..... A  
American Mills Co. (Worsted) ..... A  
**CONN.—Seymour** ..... A  
Tingue Mfg. Co. (Braiding; Genapped; Mohair) . . . AAA  
**CONN.—Simsbury** ..... A  
Ensign, R. H. (Carpet; Jute) ..... A  
Ensign, Beckford & Co. (Jute) ..... AAAA  
**CONN.—South Manchester** ..... A  
Cheney Bros. (Inc.) (Silk) ..... AAAA  
**CONN.—Unionville** ..... B  
Broadbent & Son, J. (Hosiery) ..... B  
**CONN.—Voluntown** ..... AA  
Briggs Mfg. Co. (Cotton) ..... AA  
**CONN.—Westport** ..... A  
Lees Mfg. Co. (Cotton) A  
**CONN.—Williamantic** ..... A  
Williamantic Linen Co. (Cotton; Lisle Thread; Hosiery) ..... AAAA  
**CONN.—Windsor Locks** ..... AA  
Montgomery & Co., J. R. (Mercerized Cotton) . . . AA  
**DEL.—Wilmington** ..... AAAA  
Planet Mills Mfg. Co. (Jute) ..... AAAA  
**GA.—Athens** ..... A  
Athens Mfg. Co. (Cotton) A  
Georgia Mfg. Co. (Cotton) A  
Star Thread Mills (Cotton) ..... AA  
**GA.—Atlanta** ..... A  
Atlanta Woolen Mills (Woolen Hosiery) ..... A  
Elizabeth Cotton Mills (Cotton Hosiery) ..... B  
Gate City Cotton Mills (Cotton Hosiery; Underwear; White; Mixed; Colored) A

**GA.—Augusta** ..... B  
Hutcheson Mfg. Co. (Cotton) ..... B  
Sibley Mfg. Co. (Cotton) ..... AAA  
**GA.—Carrollton** ..... A  
Mandeville Mills (Cotton) A  
**GA.—Cedartown** ..... AA  
Cedartown Cotton Co. (Cotton Hosiery; Underwear) ..... AA  
Josephine Mills (Cotton) A  
**GA.—Columbus** ..... A  
Columbus Power Co. (Cotton) ..... AAAA  
Hamburger Cotton Co. (Cotton) ..... A  
**GA.—Dallas** ..... A  
Pauling County Cotton Mfg. Co. (Cotton Hosiery) . . . B  
**GA.—Eatonton** ..... A  
Middle Georgia Cotton Mills (Cotton) ..... A  
**GA.—Hampton** ..... A  
Hampton Cotton Mills (Cotton) ..... A  
**GA.—Hartwell** ..... B  
Witham Cotton Mills (Cotton Twisted) ..... B  
**GA.—High Shoals** ..... A  
High Shoals Mfg. Co. (Cotton) ..... A  
**GA.—Hogansville** ..... AAAA  
Hogansville Mfg. Co. (Cotton) ..... AAAA  
**GA.—La Grange** ..... A  
Dixie Cotton Mills (Hosiery) A  
**GA.—Macon** ..... AAAA  
Bibb Mfg. Co. (Cotton) ..... AAAA  
Manchester Mfg. Co. (Tube; Cone) ..... B  
Payne Cotton Mills (Cotton Tubes; Cones; Skelns) . . B  
**GA.—Newnan** ..... A  
Newman Cotton Mills (Cotton; White; Colored Hosiery) ..... A  
**GA.—Quitman** ..... B  
Atlantic & Gulf Mills (Cotton; Hosiery; Knitting) B  
**GA.—Roswell** ..... A  
Roswell Mfg. Co. (Cotton) ..... A  
**GA.—Tifton** ..... B  
Tifton Cotton Mills (Cotton) ..... B  
**GA.—Whitehall** ..... A  
Whitehall Yarn Mills (Cotton) ..... A  
**ILL.—Chicago** ..... 69  
Bentley & Gerwig. W. Washington (Dlrs. Twines, Etc.) ..... A  
Curtis & Co. Mfg. Co., 42 S. Canal (Lath) ..... C  
Buckingham, Paulson & Co., 210 Monroe (Dlrs. Cotton) A  
Lane & Co., J. H., Medinah Temple (Dlrs. Cotton) ..... AA  
**IND.—Indianapolis** ..... A  
Merritt & Co., Geo. (Woolen) ..... A  
**IND.—Madison** ..... AA  
Eagle Cotton Mills Co. (Cotton) ..... AA  
Schofield & Son, Jno. (Woolen) ..... C  
**IND.—New Albany** ..... AAA  
Johnson Yarn & Cordage Mills, R. (Cotton) . . . AAA  
**IND.—Seymour** ..... B  
Seymour Woolen Fcty. Co. (Knitting) ..... B  
**IOWA.—Homestead** ..... AAAA  
Amana Society (Woolen) ..... AAAA  
**KY.—Covington** ..... B  
Argonaut Cotton Mills Co. (Cotton) ..... B  
**KY.—Louisville** ..... C  
Beargrass Woolen Mills (Stocking) ..... C  
Burford & Co., E. A. (Com.) ..... B  
Hope Worst Mills (Worsted; Weaving; Knitting) B  
Louisville Cotton Mills

**YARN (Con.)**  
 (Fancy Warps; Hosiery;  
 Weaving Cotton) ....AA  
 McCord & Wright, 715 W.  
 Main (Dlrs. Twines, Etc.) B

**Robinson-Hughes Co.**  
 (Dlrs. Cotton Warps) A

**KY.—Maysville**  
 January & Wood Co. (Car-  
 pet; Mop Cotton; Hosiery) A

**LA.—New Orleans**  
 Maginnis Cotton Mills (Cot-  
 ton) ..... AAA

**MAINE.—Lewiston**  
 Continental Mills (Coarse &  
 Fine Cotton) .... AAAA  
 Libbey & Dingley Co. (Cot-  
 ton) ..... A

**MD.—Alborton**  
 Gary & Son, Jas. S.  
 (Cotton) ..... AAAA

**MD.—Baltimore**  
 Ashland Mfg. Co. (Cotton)  
 AAA  
 Green & Co., Amon (Dlrs.  
 Cotton; Also Com.) ....B  
 Hooper & Sons, Wm. E.  
 (Cotton) ..... AAAA

**MASS.—Andover**  
 Smith & Dove Mfg. Co.  
 (Flax Carpet) ..... AA

**MASS.—Ashburnham**  
 Ashburnham Sheeting Mills  
 (Cotton) ..... AA

**MASS.—Boston**  
 Catlin Co., 67 Chauncey  
 (Dlrs. Cotton) ....AAAA  
 Cushing & Bliss (Dlrs.  
 Worsted; Mohair) ....A  
 Fearing, Whiton & Co., 91  
 Commercial (Dlrs.) ....B  
 Harding, Whitman & Co.  
 (Dlrs. Cotton; Mercerized  
 Worsted; Tops; Also Com.  
 Worsted) ..... AAAA  
 Ludlow Mfg. Associates  
 (Jute Carpet) ... AAAA  
 Meyer & Co., John C., 80  
 Kingston (Dlrs. Thread) B  
 Mitchell & Co., James E.  
 (Dlrs.) ..... AAA  
 Murphy & Co., Chas. F.,  
 26 Chauncey (Dlrs.) ....A  
 Putnam, Hooker & Co.  
 (Dlrs. Cotton; Woolen;  
 Worsted) ..... A  
 Riley & Co., C. C. (Dlrs.  
 Cotton) ..... A  
 Saxonville Mills (Woolen;  
 Worsted) ..... AAAA  
 Spool Cotton Co., The, Cor.  
 Adams & Market (Dlrs.)  
 A  
 Stoddard, Haserick, Rich-  
 ards & Co. (Foreign) AA  
 Wellington, Sears & Co., 202  
 Devonshire (Dlrs. Cotton)  
 AAAA

**MASS.—Colerain**  
 Massaemmet Mills (Cotton) B

**MASS.—Conway**  
 Tucker & Cook Mfg. Co.  
 (Cotton) ..... D

**MASS.—Easthampton**  
 West Boylston Mfg. Co. ...A

**MASS.—Fall River**  
 Estes & Sons, J. H. (Cot-  
 ton) ..... B  
 Kerr Thread Co. (Cotton)  
 AAAA

**Massasoit Mfg. Co.**  
 (Wick.) A

**MASS.—Fitchburg**  
 Grant Yarn Co. (Cotton) A  
 Oswell Mills (Cotton) ...AA  
 Star Worsted Co. (Woolen)  
 A

**MASS.—Florence**  
 Nonotuck Silk Co. (Silk)  
 AAAA

**MASS.—Great Barrington**  
 Monument Mills (Cotton)  
 AAA

**MASS.—Lawrence**  
 Arlington Mills (Fine Cot-  
 ton) .....AAA  
 Atlantic Cotton Mills (Cot-  
 ton; Hosiery) .....AAA  
 Crescent Worsted Co.  
 (Worsted) .....C

**MASS.—Lowell**  
 Appleton Co. (Cotton) AA

**YARN (Con.)**  
 Hamilton Mfg. Co.  
 (Hosiery) .....AAAA  
 Lawrence Mfg. Co. (Cotton  
 Hosiery) .....AAAA  
 Tremont & Suffolk Mills  
 (Hosiery) .....AAAA  
 Walsh, Wm. E. (Worsted)  
 D

**MASS.—New Bedford**  
 City Mfg. Corp. (Cotton)  
 AAA  
 Grinnell Mfg. Corp. (Cot-  
 ton) .....AAAA  
 New England Cotton Yarn  
 Co. (Cotton) .....AAAA  
 Wamsutta Mills (Cotton)  
 AAAA

**MASS.—North Chelmsford**  
 Moore, Geo. C. (Worsted)  
 AAA

**MASS.—Oxford**  
 Bartlett, Edwin (Satinet) B

**MASS.—Springfield**  
 Indian Orchard Co. (Cotton  
 Weaving) .....AA  
 Wilcox, Calder & Co., L.  
 M., Phoenix Bldg. (Dlrs.  
 Cotton) .....B

**MASS.—Taunton**  
 Canoe River Mills (Combed  
 Cotton) .....B  
 Winthrop Cotton Yarn Co.  
 (Combed Cotton) .....A

**MASS.—Westfield**  
 Warren Thread Wks., W.  
 (Lisle Thread) .....A

**MASS.—Westford**  
 Abbott Worsted Co. (Car-  
 pet; Woolen) .....AAA

**MASS.—Worcester**  
 Queensbury Mills (Worsted)  
 B

Whittall & Thomas (Wor-  
 sted Carpet) .....AAAA

**MICH.—Eaton Rapids**  
 Horner Bros. (Wool Merino  
 & Knitting) .....C

**MINN.—Rushford**  
 Webster & Co., Jonathan  
 (Hosiery) .....C

**MISS.—Stonewall**  
 Stonewall Cotton Mills  
 (Hosiery) .....AA

**MISS.—Wesson**  
 Mississippi Mills (Cotton)  
 AAA

**MO.—St. Louis**  
 Putnam, Hooker & Co.  
 (Dlrs. Cotton; Woolen;  
 Worsted) .....A  
 St. Louis Cordage Co.  
 (Lath) .....AA

**N. H.—Concord**  
 N. H. Spinning Mills (Sea  
 Island; Egyptian Skeins)  
 A

**N. H.—Manchester**  
 Stark Mills (Cotton  
 Hosiery) .....AAAA

**N. H.—Wilton**  
 Hillsboro Mills (Carpet) ..D

**N. J.—Bordentown**  
 Springfield Worsted Mills  
 (Worsted) .....AAAA

**N. J.—Camden**  
 Croft Sons & Co., H.  
 (Worsted) .....AAA  
 Highland Worsted Mills  
 (Worsted) .....B

**Linden Worsted Mills**  
 (Worsted) .....AAAA

**N. J.—Gloucester**  
 Argo Mills Co. (Comb. &  
 Carded White; Egyptian  
 Cotton) .....AA

**N. J.—Jersey City**  
 Chaddick & Bro., Jas. (Cot-  
 ton) .....A

**N. J.—Kearney**  
 Marshall & Co. (Carpet;  
 Linen) .....AA

**N. J.—Passaic**  
 Botany Worsted Mills  
 (Worsted) .....AAAA

**Brighton Mills** (Combed  
 Sea Island) .....A

**Pitkin-Holdworth** Worsted  
 Co. (Worsted) .....C

**N. J.—Paterson**  
 Barbour Flax Spinning Co.  
 (Carpet Hemp; Linen)  
 AAAA

# **YARN (Con.)**

Dolphin Jute Mills (Jute) AA  
 Sutherland & Edwards Co. (Jute) AAA  
**N. Y.—Amsterdam**  
 McFarlan & Co. (White; Colored Cotton) B  
 Morris & Sons, A. V. (Cotton Underwear) AAAA  
 Quilhot & Son, S. (Drs. Cotton) B  
**N. Y.—Auburn**  
 Columbia Cordage Co. (Lath) AA  
**N. Y.—Brooklyn**  
 Barthels Mfg. Co. (Glazed Turkey Red) A  
 Perkins Co., J. T. (Worsted) AA  
 Planet Mills Mfg. Co. (Jute) AAA  
**N. Y.—Firthcliffe**  
 Firth Carpet Co. (Worsted) AAA  
**N. Y.—Greenwich**  
 Dunbarton Flax Spinning Co. (Linen) B  
**N. Y.—Jamestown**  
 Chautauqua Worsted Mills (Worsted) B  
 Falconer Worsted Mill (Worsted) B  
 Meadow Brook Mills (Worsted) AAAA  
**N. Y.—Montgomery**  
 Crabtree & Sons, Wm. (Worsted) B  
**New York City**  
 Abegg & Rusch (Drs. Cotton; Mohair; Worsted; Tussah; Spun Silk) AAAA  
 American Mfg. Co. (Lath) AAAA  
 Buckingham, Paulson & Co. (Com. also Drs. Cotton) A  
 Catlin & Co. (Drs. Cotton; also Com.) AAAA  
 Chelsea Jute Mills (Carpet Jute) A  
 Cone Export & Com. Co. (Com. Cotton) AAAA  
 Frankenberg Co., H. E. (Drs. Cotton; Woolen) A  
 Haines & Bishop (Drs. Cotton) A  
 Harding, Whitman & Co. (Com.; Drs. Cotton; Mercerized Worsted; Tops) AAAA  
 Hardt Von Bermuth & Co. (Silk; Drs. Cotton; Silk; also Com.) AAAA  
 Hart Co., A. H. (Carpet; Upholstery) AAA  
 Hollan & Webb (Drs. Cotton; Worsted; Spun Silk; Tussah) A  
 Johns-Manville Co., H. W. (Asbestos) AAAA  
 Kelly & Co., Henry C. (Drs. Carpet Warps, etc.) B  
 Lane & Co., J. H. (Drs. Cotton; Mercerized) AAA  
 Linen Thread Co. (Drs. Flax) A  
 Moeller & Littauer (Drs. Cotton; Worsted; Silk; Woolen; Mercerized) A  
 Oelbermann, Dommerich & Co. (Drs. Worsted; Spun Silk) AAAA  
 Osborne & Wilson (Drs. Twine) B  
 Poor & Co., J. Harper (Drs. Cotton) A  
 Reynolds & Co., James E. (Drs. Cotton; also Com.) A  
 Robinson-Hughes Co. (Drs. Cotton Warp, etc.) A  
 Skerry & Co., A. T. (Drs. Worsted; Mohair; Silk; Nolls; Fancies) A  
 Spool Cotton Co. (Drs.) A  
 Standard Rope & Twine Co. (Fodder) AAAA  
 Strauss & Co., F. A. (Drs. Cotton; Worsted; Silk) AAA  
 Turner Co., J. Spencer (Drs. Cotton; Woolen) AAAA

# **YARN (Con.)**

Union Selling Co. (Fodder; Lath) AAA  
 Ulmann & Co., Bernhard (Drs. Cotton; Wool Knitting) AAAA  
 Viotor, Frederick & Achells (Drs. Cotton; Woolen; Worsted) AAAA  
 Warner & Co., M. (Drs.) A  
 White & Co., Jas. F. (Com.; Drs. Cotton; Woolen) AAAA  
**N. Y.—New York Mills**  
 New York Mills (Hosiery) AAAA  
 Walcott & Campbell Spinning Co. (White; Mercerized; Colored Hosiery) A  
**N. Y.—Oswego**  
 Standard Spinning Co. (Hosiery) AAA  
**N. Y.—Schaghticoke**  
 Cable Flax Mills (Carpet, Linen) A  
**N. Y.—Utica**  
 Globe Woolen Co. (Woolen; Worsted) AAAA  
 Skenandoah Cotton Co. (Hosiery; Cotton) AA  
 Utica Steam & Mohawk Valley Cotton Mills (Cotton) AAA  
**N. Y.—Whitehall**  
 Champlain Silk Mills (Silk) A  
**N. C.—Albermarle**  
 Efrid Mfg. Co. (Hosiery) A  
**N. C.—Alula**  
 Wiscassett Mills Co. (Cotton) A  
**N. C.—Burlington**  
 Carolina Cotton Mills (Cotton) B  
**N. C.—Charlotte**  
 Charlotte Cotton Mills (Cotton) A  
 Elizabeth Mills (Combed Egyptian; Peelers) B  
**N. C.—Cherryville**  
 Cherryville Mfg. Co. (Cotton) A  
 Gaston Mfg. Co. (Cotton) A  
**N. C.—Concord**  
 Cannon Mfg. Co. (Cotton; Hosiery) AA  
**N. C.—Cumberland**  
 Cumberland Cotton Mills Co. (Cotton Warp; Skein) B  
**N. C.—Durham**  
 Commonwealth Cotton Mfg. Co. (Cotton Hosiery; Underwear) A  
**N. C.—Edenton**  
 Edenton Cotton Mills (Cotton) B  
**N. C.—Elkin**  
 Chatham Mfg. Co. (Woolen) B  
**N. C.—Fayetteville**  
 Holt-Williamson Mfg. Co. (Cotton) B  
 Toler, Hart & Holt Mills (Cotton) B  
**N. C.—Gastonia**  
 Arlington Cotton Mills (Cotton) A  
 Avon Mills (Cotton) A  
 Maena Cotton Mills (Cotton) A  
 Ozark Cotton Mills (Cotton Combed) A  
**N. C.—Goldsboro**  
 Borton Mfg. Co. (Cotton) A  
**N. C.—Graham**  
 Holt, L. B. (Cotton) AAA  
**N. C.—Henderson**  
 Harriet Cotton Mills (Hosiery) B  
 Henderson Cotton Mills (Cotton) B  
 Henrietta Mills (Cotton) AA  
**N. C.—Hope Mills**  
 Hope Mills Mfg. Co. (Cotton) AA  
**N. C.—Jamestown**  
 Oakdale Cotton Mills (Cotton) B  
**N. C.—Kings Mountain**  
 Bonnie Cotton Mills Co. (Cotton) B  
 Cora Cotton Mills (Cotton) B  
 Kings Mountain Mfg. Co.

<b>YARN (Con.)</b>	
(Cotton) .....	B
Lula Mfg. Co. (Cotton	
Hosiery) .....	B
<b>N. C.—Kinston</b>	
Kinston Cotton Mills	
(Hosiery) .....	A
<b>N. C.—Landis</b>	
Linn Mills Co. (Cotton)	B
<b>N. C.—Laurel Hill</b>	
Ida Yarn Mill (Cotton) ...	B
Richmond Cotton Mills	
(Cotton) .....	B
Springfield Cotton Mill (Cot-	
ton Knitting; Weaving) B	
<b>N. C.—Laurinburg</b>	
Scotland Cotton Mills	
(Hosiery) .....	B
<b>N. C.—Lenoir</b>	
Lenoir Cotton Mills (Cot-	
ton) .....	B
<b>N. C.—Lincolnton</b>	
Daniel Mfg. Co. (Combed	
Sea Island) .....	B
Laboratory Cotton Mills	
(Cotton) .....	A
<b>N. C.—Long Shoals</b>	
Long Shoals Cotton Mills	
(Cotton) .....	B
Lumberton Cotton Mills	
(Hosiery) .....	B
<b>N. C.—McAdenville</b>	
McAden Mills (Cotton) AA	
<b>N. C.—Mayodan</b>	
Avalon Mills (Hosiery) ..	A
Mayo Mills (Hosiery; Un-	
derwear) .....	A
<b>N. C.—Monbo</b>	
Monbo Mfg. Co. (Cotton) B	
<b>N. C.—Monroe</b>	
Monroe Cotton Mills	
(Hosiery Cotton) .....	A
<b>N. C.—Mt. Holly</b>	
Tuckasee Mfg. Co. (Cot-	
ton) .....	A
<b>N. C.—Northville</b>	
Newton Cotton Mills (Cot-	
ton) .....	B
<b>N. C.—Norwood</b>	
Norwood Cotton Mills (Cot-	
ton) .....	B
Oxford Cotton Mills (Cot-	
ton) .....	B
<b>N. C.—Patterson</b>	
Gwyn-Harper Mfg. Co. (Cot-	
ton) .....	B
<b>N. C.—Raleigh</b>	
Raleigh Cotton Mills	
(Hosiery) .....	A
<b>N. C.—Rocky Mount</b>	
Rocky Mount Mills (Cot-	
ton) .....	AA
<b>N. C.—Salisbury</b>	
Kisler Mfg. Co. (Cotton) B	
Vance Cotton Mills (Cotton)	
	B
<b>N. C.—Saxapahaw</b>	
White, Williamson & Co.	
(Cotton) .....	A
<b>N. C.—Shelby</b>	
Belmont Mills (Cotton) ..	B
<b>N. C.—Smithfield</b>	
Smithfield Cotton Mills ..	B
<b>N. C.—Spray</b>	
Leakesville Woolen Mills	
(Woolen) .....	A
Spray Cotton Mills (Cot-	
ton) .....	B
<b>N. C.—Statesville</b>	
Statesville Cotton Mills	
(Cotton) .....	A
<b>N. C.—Tarboro</b>	
Tarboro Cotton Factory	
(Cotton) .....	A
<b>N. C.—Wadesboro</b>	
Wadesboro Cotton Mills	
Co. (Cotton) .....	B
<b>N. C.—Waxhaw</b>	
Rodman-Heath Cotton Mill	
(Cotton) .....	B
<b>N. C.—Wilson</b>	
Wilson Cotton Mills (Cot-	
ton) .....	B
<b>N. C.—Winston-Salem</b>	
South Side Mfg. Co. (Cot-	
ton) .....	A
<b>OHIO—Cincinnati</b>	
Goodlin, Weaver, Ried &	
Co. (Dlrs.) .....	B
Jacobs Cordage Co. (Fod-	
der) .....	B
Overman & Schrader Cor-	
dage Co. (Fodder) .....	A
<b>YARN (Con.)</b>	
Putnam, Hooker & Co.	
(Dlrs. Cotton; Woolen;	
Worsted; Com.) .....	A
<b>OHIO—Hamilton</b>	
Shuler & Benninghofen AA	
<b>OHIO—New Richmond</b>	
Classens Co., J. H. (Wool;	
Merino) .....	C
<b>OHIO—Kenia</b>	
Kelly Co., R. A. (Fodder) A	
<b>OREGON—Oregon City</b>	
Oregon City Mfg. Co.	
(Woolen) .....	AA
<b>PA.—Allentown</b>	
Allentown Spinning Co.	
(Jute; Carpet; Rug) ..	A
<b>PA.—Bethlehem</b>	
Sanquett Silk Mfg. Co.	
(Silk) .....	AAAA
<b>PA.—Bridgeport</b>	
Lees & Sons Co., Jas.	
(Weaving; Knitting Wool-	
en; Worsted) .....	B
<b>PA.—Bristol</b>	
Grundy & Co., Wm. (Wor-	
sted Knitting; Weaving)	
	A
<b>PA.—Chester</b>	
Grove Worsted Mills (Wor-	
sted Weaving; Knitting)	
	AAA
Irvin & Leiper Mfg. Co.	
(Underwear) .....	B
Lincoln Mfg. Co. (Weaving)	
	B
Standard Spinning Co.	
(Hosiery) .....	C
<b>PA.—Conshohocken</b>	
Merion Worsted Mills (Fine	
Worsted) .....	A
<b>PA.—Darby</b>	
Griswold Worsted Co. (Wor-	
sted) .....	A
<b>PA.—Philadelphia</b>	
Adams & Co., Jos M.	
(Backing; Woolen Carpet)	
	A
Allen & Son, Wm. (Woolen	
Carpet) .....	A
Asbestos Fibre Spinning Co.	
(Asbestos) .....	B
Bailey C. (Fodder) .....	AA
Ball, Thos. H. (Dlrs. Wor-	
sted; Woolen) .....	B
Ball & Co., H. C. (Worsted)	
	A
Beatty & Co., Robt. (Cot-	
ton; Combed; Hosiery;	
Knitting) .....	B
Beswick, Saml. (Merino) C	
Blythe, Richard A. (Dlrs.	
Cotton) .....	A
Buckingham, Paulson & Co.	
(Dlrs. Cotton) .....	A
Cameron & Co., A. J. (Wool-	
en; Worsted; Dlrs. Wool-	
en; Worsted) .....	AA
Cameron Worsted Co., A. J.	
(Worsted; Weaving; Hos-	
lery; Knitting) .....	AA
Catlin & Co., (Dlrs. Woolen;	
Worsted) .....	AAAA
Crow, Alex. Jr. (Woolen;	
Worsted) .....	A
Davies Textile Co. (Car-	
Box Waste) .....	B
D'Olier & Co., Wm. (Dlrs.	
Cotton) .....	A
Dearnley, Jno. H. (Wor-	
sted; Woolen) .....	A
Doak & Co., Jas. Jr. (Wor-	
sted) .....	A
Dobson, John & Jas. (Wor-	
sted) .....	AAAA
Emsley & Bro., Wm. (Cot-	
ton; Merino; Woolen; Hos-	
lery; Weaving) .....	B
Erben-Harding Co. (Wor-	
sted; Wool; Merino)	
	AAA
Fidler Co., Edwin H. (Fod-	
der) .....	AAAA
Flanagan & Bro., A. (Wool	
Carpet) .....	B
Fleisher, S. B. & B. W.	
(Woolen; Worsted) AAA	
Flings Sons, Jos. (Merino) B	
Ford, W. & R. (Woolen	
Carpet) .....	B
Germantown Spinning Co.	
(Cotton; Hosiery; Weav-	
ing) .....	A

**YARN (Con.)**  
 Grundy & Co., Wm. H. (Worsted) ..... AA  
 Hamill & Co. (Merino) ... X  
 Henry & Sons, Thos. (Hosiery) ..... AAAA  
 Hey & Son, Richard (Mohair) ..... AA  
 Hoffman-Corr Co. (Dlrs. Cotton) ..... AA  
 Holland & Webb (Dlrs. Cotton; Worsted; Silk) ... A  
 Hyde, Edward S. (Dlrs. Cotton) ..... B  
 Imperial Woolen Co. (Worsted) ..... AA  
 Kenworthy & Bros., I. (Woolen; Worsted; Carpet; Also Dlrs. Woolen Worsted; Carpet) ..... AA  
 Keystone Spinning Mills Co. (Woolen; Carpet) Rug) A  
 Lane & Co., J. H. (Dlrs. Cotton; Also Com.) AAA  
 Leicester & Continental Mills Co. (Woolen; Merino) ..... AAA  
 Lodge, Jno. F. (Cotton; Woolen Carpet) ..... A  
 McClosky, J. J. (Dlrs. Carpet) ..... A  
 Malcolm Mills Co. (Fancy Worsted; Novelty) .... B  
 Manningham Worsted Co. (Worsted) ..... A  
 Mays Landing Water Power Co. (Cotton) ..... AA  
 Mitchell & Co., James E. (Dlrs. Cotton) ..... AAA  
 Moore & Co., C. (Dlrs. Cotton) ..... B  
 O'Neill, Chas. (Dlrs. Wool Spun) ..... AA  
 Ontario Spinning Co. (Cotton Hosiery) ..... B  
 Platt & Son, A. (Cotton; Hosiery; Woolen) .... B  
 Randall & Bro., Jos. (Merino) ..... B  
 Read, Wm. F. (Dlrs.) AA  
 Ring & Son, Jonathan (Wool; Marino; Hosiery) B  
 Roosevelt Worsted Mills (Worsted) ..... AAAA  
 Schell, Taylor & Longstreth (Dlrs. Cotton) B  
 Scatchards Sons, Jos. (Wool; Merino; Hosiery) .... A  
 Schlichter Jute Cordage Co. (Jute) ..... AA  
 Schofield, Mason & Co. (Woolen; Worsted) .... A  
 Scholes & Son, Wm. (Woolen) ..... AA  
 Seffarlen, Jos. A. (Dlrs. Cotton) ..... B  
 Sharples, W. H. & F. W. (Dlrs. Cotton) ..... AA  
 Southwark Mills Co. (Worsted) ..... AA  
 Stafford & Co. (Carpet) B  
 Stead, Miller & Co. (Silk) AA  
 Steel & Co. Edw. T. (Woolen; Worsted) AAAA  
 Stephenson & Co. (Dlrs. Worsted Woolen; Mohair) A  
 Sykes Bros. (Woolen; Jute Carpet) ..... B  
 Thomas & Sons, Hy. (Cotton; Carpet) ..... B  
 Thornton, Wm. (Cotton; Woolen Carpet) ..... B  
 Tracy Worsted Mills (Worsted; Knitting; Weaving) ..... A  
 Turner Co., J. Spencer (Dlrs. Cotton) ..... AAA  
 Webb & Co., Chas. J. (Dlrs. Cotton) ..... AAAA  
 Whitaker & Sons, Wm. (Woolen) ..... A  
 White & Co., Jas. F., 233 Chestnut (Dlrs. Cotton; Worsted; Woolen) AAAA  
 Wilde & Bros., Jno. (Woolen Carpet) .... B  
 Wilde's Son, Robt. (Woolen Carpet) .... B  
 Willey, J. H. (Dlrs. Worsted; Mohair) ..... R

**YARN (Con.)**  
 Wilson & Bradbury (Dlrs. Cotton) ..... AAA  
 Wolstenholme & Clarke (Worsted; Marino) .... B  
 Wolstenholme Sons & Co., Thos. (Worsted) .... AAA  
 Yewdall & Jones Co. (Worsted) ..... A  
**PA.—Reading**  
 Jackson & Son, T. (Fodder) ..... AA  
 Reading Cotton Mill (Cotton) ..... AAAA  
**PA.—Wallingford**  
 Columbia Worsted Co. (Worsted) ..... B  
**R. I.—Bristol**  
 Cranston Worsted Mills (Mohair; Worsted) .... A  
**PA.—Burrillville**  
 Laurel Hill Yarn Co. (Woolen; Merino) .... A  
**R. I.—Hamilton**  
 Hamilton Web Co. (Cotton) A  
**R. I.—Hillsgrove**  
 Elizabeth Mills (Cotton) AA  
**R. I.—North Kingston**  
 Rodman Mfg. Co. (White; Colored) ..... AAA  
**R. I.—North Providence**  
 Centredale Worsted Mills (Woolen) ..... B  
**R. I.—Pascoag**  
 Sayles Co., F. L. (Cotton) AA  
**R. I.—Pawtucket**  
 Blodgett & Oswell Co. (Glazed) ..... B  
 Dexter Yarn Co. (Cotton) A  
 Goff & Sons, D. (Mohair; Worsted) ..... AAA  
 Greene & Daniels Mfg. Co. (Cotton) ..... AA  
 Jenckes Spinning Co. (White; Colored Cotton) B  
 Littlefield Mfg. Co. (Cotton) ..... A  
 Slater Cotton Co. (Cotton) AA  
 Stafford Mfg. Co. (Cotton) A  
**R. I.—Providence**  
 Brown, Peter (Dlr.) AAAA  
 Fletcher Mfg. Co. (Cotton) AAA  
 Joslin Mfg. Co. (Cotton) B  
 Phoenix Spinning Co. (Wool; Merino) .... B  
 Steere Worsted Mill (Worsted) ..... A  
 Tillinghast Co., Stiles, Industrial Bldg. (Single & Double; White & Colored; Also Dlrs. Cotton; Worsted) ..... B  
 Wilcox, Colder & Co., L. M. (Dlrs. Cotton) .... B  
**R. I.—Thornton**  
 Pocasset Worsted Co. (Worsted) ..... AAAA  
**R. I.—Warren**  
 Cutler Mfg. Co. (Cotton) A  
 Warren Mfg. Co. (Combed; Carded Cotton) ..... AAAA  
**R. I.—Warwick**  
 Elizabeth Mill Co. (Fine Combed Cotton) ..... AAAA  
 Warwick Mfg. Co. (Cotton) AAA  
**R. I.—Woonsocket**  
 Guern Spinning Co. (Merino) ..... A  
 Lafayette Worsted Co. (Worsted) ..... A  
 Lawton Spinning Co. (Fine Cotton) ..... A  
 River Spinning Co. (Woolen; Merino) ..... AA  
 Woonsocket Worsted Mills (Worsted) ..... B  
**S. C.—Anderson**  
 Riverside Mfg. Co. (Cotton) B  
**S. C.—Autun**  
 Pendleton Mfg. Co. (A. J. Sifton) (Cotton) ..... B  
**S. C.—Bamberg**  
 Bamberg Cotton Mills (Cotton) ..... A

## YARN (Con.)

**S. C.—Bath**  
 Alken Mfg. Co. (Cotton) A  
**S. C.—Chester**  
 Eureka Cotton Mills (Cotton; Soft Hosiery; Knitting) B  
 Wylie Mills (Cotton) B  
**S. C.—Columbia**  
 Columbia Mills Co. (Cotton) A  
**S. C.—Dillon**  
 Dillon Cotton Mills (Cotton; Hosiery) A  
**S. C.—Edgefield**  
 Edgefield Mfg. Co. (Cotton) B  
**S. C.—Gaffney**  
 Gaffney Mfg. Co. (Cotton Twisted) A  
**S. C.—Greenville**  
 Amer. Spinning Co. (Cotton) A  
**S. C.—Knoxville**  
 Knoxville Woolen Mills (Woolen; Cotton) A  
**S. C.—Lancaster**  
 Lancaster Cotton Mills (Cotton) A  
**S. C.—McColl**  
 Ice-man Mills (Cotton; Combed Egyptian) C  
 McColl Mfg. Co. (Cotton Knitting) A  
 Marie Mills (Cotton Hosiery) B  
**S. C.—Marion**  
 Ashby Cotton Mills (Cotton) A  
**S. C.—Pelham**  
 Pelham Mills (Cotton) A  
**S. C.—Piedmont**  
 Riedmont Mfg. Co. (Cotton) A  
**S. C.—Rock Hill**  
 Manchester Cotton Mill Co. (Cotton Brown) A  
**S. C.—Spartanburg**  
 Arcadia Mills (Cotton) A  
 Beaumont Mfg. Co. (Cotton) B  
 Saxton Mills (Cotton) A  
**S. C.—Yorkville**  
 Tavora Cotton Mills (Cotton Hosiery) C  
 York Cotton Mills (Cotton) A  
**TENN.—Chattanooga**  
 Richmond Spinning Co. (Cotton) B  
**TENN.—Knoxville**  
 Knoxville Cotton Mills (Cotton Hosiery) A  
**TENN.—Strathmore**  
 Laurel Hill Mill (Cotton Mop) D  
**TEXAS—Waco**  
 Hayden-Kirksey Woolen Mills (Woolen) A  
**UTAH—Ogden**  
 Ogden Woolen Mills Co. (Woolen) B  
**UTAH—Provo City**  
 Provo Woolen Mills Co. (Woolen) B  
**VA.—Mouth of Wilson**  
 Fields & Hash Mfg. Co. (Woolen) B  
**VA.—Norfolk**  
 Cotton Oil & Fibre Co. (Cotton) A  
**VA.—South Boston**  
 Century Cotton Mills (Cotton) B  
**WIS.—Cedarburg**  
 Cedarburg Woolen Mills (Woolen; Worsted) B  
 (Bradford System) B  
**WIS.—Milwaukee**  
 Milwaukee Worsted Mills (Worsted) A  
**WIS.—Portage**  
 Portage Hosiery Co. (Hosiery) A

## YAWLS

See also Boats, Yachts

**MASS.—Fall River**  
 Read Bros. D

## YEAST

**CAL.—Los Angeles**  
 Golden Gate Comp. Yeast Co., 348 Sutter C  
**CAL.—San Francisco**  
 Golden Gate Distilling Co., 160 New Montgomery B  
**COLO.—Denver**  
 Fleischmann & Co. A  
**D. C.—Washington**  
 Fleischmann & Co. A  
**ILL.—Chicago**  
 Bunge Co., Wm. H., 71 N. Ann AA  
 Callahan & Co., A. P., 2407 La Salle A  
 Gillett, E. W. (Cake) B  
 Queen City Eureka Yeast Co., 533 W. Chic. Av. B  
 Riverside Yeast Co., 148 Superior C  
 Seidel & Sons, A., 123 Garfield Av. O  
 Spielman Bros. Co. (Comp.), 93 North Av. A  
**ILL.—Freeport**  
 Burrell Bros. B  
**LA.—New Orleans**  
 Denney, Theo., 524 Magazine C  
**MD.—Baltimore**  
 Elmer & Sons, Lewis, 104 South A  
**MICH.—Detroit**  
 Fleischmann & Co. A  
**MINN.—Minneapolis**  
 Fleischmann & Co., 15 S. 7th AAA  
**MINN.—St. Paul**  
 Nat'l Distillery Co., 78 W. 3rd AA  
**MO.—Kansas City**  
 Riverside Yeast Co. C  
**NEB.—Omaha**  
 On Time Yeast Co. C  
**N. Y.—Brooklyn**  
 Schlegel, J., 132 22nd B  
**N. Y.—Buffalo**  
 Buffalo Vinegar & Preserving Co., 642 Mich. B  
 Fleischmann & Co. A  
 New York City Alart & McGuire, 70 Mad. A  
 Fleischmann & Co., 699 Washn. AAA  
 Vienna Pressed Yeast Co., 141 E. 25th (Cake) D  
**N. Y.—Tonawanda**  
 Niagara Cider & Vinegar Wks. A  
**OHIO—Cincinnati**  
 Fleischmann & Co., Perry & Plum (Compressed) AAA  
 Queen City Eureka Yeast Co., 1317 Central Av. B  
**OHIO—Marysville**  
 Marysville Candy Co. (Foam) C  
**OHIO—West Carrollton**  
 Shaw Yeast Co. AA  
**OREGON—Portland**  
 Fleischmann & Co. A  
**PA.—Philadelphia**  
 Alart & McGuire, 126 Cuthbert A  
 Fleischmann & Co., 1221 Race AAA  
**R. I.—Providence**  
 Rumford Chem. Works AA  
**S. C.—Charleston**  
 Margenhoff, O. G. C  
**WIS.—Manitowoc**  
 Richter & Sons, A. M. (Comp.) C  
**WIS.—Milwaukee**  
 Milwaukee Vinegar Co., 456 Virginia AAA  
 Red Star Yeast Co., 456 Virginia AAA  
**N. Y.—Brooklyn**  
 Wiarda & Co., Jno. S. (Naples) AA

## YOKES

See also Woodwork: Carriage

**CONN.—Mt. Carmel**  
 Woodruff & Sons, Walter W. (Horses Neck) A



**YOKES (Con.)**  
**CONN.—New Haven**  
 Seward & Son Co., M. A  
**CONN.—Plantsville**  
 Atwater Mfg. Co. .... A  
**ILL.—Kishwaukee**  
 Johnson, F. C. (Horses' Neck) ..... A  
**IND.—Anderson**  
 Buckeye Mfg. Co. (Horses' Neck) ..... AA  
**IND.—Bremen**  
 Wright, Jno. J. (Horses' Neck) ..... B  
**IND.—Huntingburg**  
 Hartwell Mfg. Co. (Horses' Neck) ..... F  
**IND.—Indianapolis**  
 Aut. Grip Neck Yoke Co. (Horses' Neck) ..... B  
 Gillett & Co., C. H. .... C  
**IOWA—Fort Madison**  
 Iowa Farming Tool Co. (Ox) ..... A  
**MD.—Baltimore**  
 Sinclair-Scott Co. (Ox) M  
**MICH.—Saginaw**  
 Morley Bros. .... AA  
 N. J.—Lambertville  
 Lambertville Spoke Mfg. Co. (Horses' Neck) ..... A  
**New York City**  
 Metal Stamping Co. (Horses' Neck) ..... A  
 M. Y.—Watervliet  
 Covert Mfg. Co. (Horses' Neck) ..... A  
**OHIO—Cleveland**  
 Amer. Fork & Hoe Co. (Ox) ..... AAAA  
 Cleveland Hdw. Co. (Horses' Neck) ..... AA  
 Upson Nut Co. .... AAAA  
**OHIO—Hudson**  
 Shields, E. B. (Horses' Neck) ..... F  
**OHIO—Toledo**  
 Toledo Carriage Woodwork Co. (Horses' Neck) ..A  
**OHIO—Van Wert**  
 Gleason Lumber Co. (Horses' Neck) ..... A  
**PA.—York**  
 Farguhar & Co., A. B. (Ox) ..... AAA  
**WIS.—Racine**  
 Adams & Son, E. B. (Horses' Neck) ..... B  
 Racine General Mfg. Co. (Horses' Neck) ..... E  
 Racine Malleable & Wrought Iron Co. (Horses' Neck) A

## ZINC & ZINCS

Zinc White, see Paints & White  
**CAL.—San Francisco**  
 Selby Smelting & Lead Co. (Bar) ..... AAA  
**CONN.—Torrington**  
 Coe Brass Mfg. Co. (Battery) ..... AAAA  
**CONN.—Waterbury**  
 Waterbury Battery Co. (Battery) ..... F  
**ILL.—Chicago**  
 Bryant Zinc Co., 71 W. Adams ..... C  
 Harrington & Ring Perforating Co., 224 N. Union (Perforated Steel) ....A  
 Western Electric Co., 250 Clinton (Battery) AAAA  
**ILL.—La Salle**  
 Matthiessen & Hegeler Zinc Co. (Sheet; Battery; Rolled Plates) ....AAAA  
**ILL.—Peru**  
 Amer. Nickeloid & Mfg. Co. (Nickelized Sheet; Nickel-

**ZINC & ZINCS (Con.)**  
 loid) ..... X  
 Illinois Zinc Co. (Sheet, Etc.) ..... AAA  
**ILL.—Sandoval**  
 Sandoval Zinc Co. .... B  
**IND.—Peru**  
 Peru Electric Mfg. Co. (Battery) ..... A  
**MD.—Baltimore**  
 Thomsen Chemical Co. (Sulphate) ..... B  
 Viaduct Mfg. Co., 10 S. Howard (Battery) ....B  
**MASS.—Boston**  
 Cochrane Chemical Co. (Chloride) ..... AA  
 Merrimac Chemical Co. (Chloride) ..... AA  
**MASS.—Plymouth**  
 Edes Mfg. Co. (Battery) D  
**PA.—Reading**  
 Beattie Zinc Wks. Co. (Battery) ..... D  
**MASS.—South Hanover**  
 Phillips & Sons, E. (Battery) ..... A  
**MASS.—Webster**  
 Prescott & Son, J. B. (Battery) ..... C  
**N. Y.—Buffalo**  
 Magnus Metal Co., 830 Ellicott Sq. (Battery) ...AA  
 Schoelkopf, Hartford & Hanna Co. (Chloride) AAAA

**New York City**  
 Bertels Co., Ernest Co. (Chloride; Oxide) .... B  
 Berlin Aniline Wks. (Chloride) ..... B  
 Edison Phonograph Agency (Battery) ..... D  
 Fuerst Bros. & Co., A. (Chloride) ..... AA  
 Klipstein & Co., A. (Chloride) ..... AA  
 General Chemical Co. (Chloride) ..... AAAA  
 Mundt & Sons, Chas., 441 Pearl (Perforated Sheet) B

**New Jersey Zinc Co., 11 Bway.** ..... A  
 Roessler & Hasslacher Chemical Co. (Chloride) AA

**Sholes Co., C. E.** (Chloride) ..... X  
 Smith & Co., J. Lee, 59 Frankford (French Paint; Oxide) ..... AA

**N. J.—Newark**  
 Gould's Son & Co., M. (Figured) ..... A  
**OHIO—Cleveland**  
 Grassell Chemical Co. (Chloride) ..... AAAA  
 National Carbon Co. (Battery) ..... AAAA

**PA.—Easton**  
 Baker & Adamson Chemical Co. .... A  
**PA.—Philadelphia**  
 Partrick, Carter & Wilkins (Battery) ..... B  
 Powers - Weightman - Rosengarten Co. (Chloride) AAAA

**Wetherill Co., S. P.** (Oxide) ..... B

## ZETROPES

**New York City**  
 McAllister, T. H. .... B

## ZYMOSI-METERS

**New York City**  
 Eimer & Amend ..... AA

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CONN.—Middletown  
Cook & Brady.....A  
ILL.—Elgin  
Elgin Butter Co.....A  
Newman Co., John.....A  
Nolting Co., A.....A  
Wood Butter Co., D. E.....A  
IND.—Cambridge City  
Boyd & Driscoll.....A  
IND.—Indianapolis  
Jordan Co., Arthur.....AA  
IOWA—Clarinda  
Clarinda Poultry, Butter &  
Egg Co. ....AA  
IOWA—Deep River  
Hatter & Baird .....A  
IOWA—Jesup  
Jesup Hand Separator  
Creamery Co. ....A  
IOWA—Waterloo  
Fowler Co. ....AA  
KANS.—Topeka  
Continental Creamery Co. ....AA  
MASS.—Cambridge  
Brigham Co., C.....A  
MASS.—Lowell  
Dexter, S. K.....A  
MICH.—Alma  
Wright & Co., A. W. ....AAAA  
MICH.—Mt. Clemens  
Detroit Creamery Co.....A  
MICH.—Owosso  
Dudley, Eben F.....A  
MICH.—Sebewaing  
Liken & Co., Jno. C.....A  
MINN.—Dodge Centre  
Dodge Centre Creamery Co. ....A  
MO.—Herculeanum  
Bonne Terre Farming &  
Cattle Co. ....AAA  
N. Y.—Middletown  
Pound & Jordan.....A  
N. Y.—Utica  
Grant, Wm. D.....A  
PA.—Bernville  
Ahrens & Richardson.....A  
PA.—Darling  
Darlington, J. J.....A  
PA.—Hanover  
Hanover Creamery .....A  
PA.—Leboeuf  
Wheeler, O. M.....A  
PA.—Littitz  
Garber, Reist & Co.....A  
PA.—Mt. Joy  
Reist, Nissley & Co.....A  
PA.—Transfer  
Frampton, D. A.....AA  
VT.—Randolph  
Brigham Co., C.....A  
VA.—Norfolk  
Fentress & Co., O. W...AA  
WIS.—Big Bend  
McCanna & Frazer Co.....A  
WIS.—Elkhorn  
Wisconsin Butter & Cheese  
Co. ....A  
WIS.—Fond-Du-Lac  
Muir, David & White.....A  
WIS.—Kewaskum  
Rosenheimer, M. & A....A  
WIS.—South Wayne  
Wood & Co., D.....A  
WIS.—Waukau  
Rush Lake Creamery Co..A  
WIS.—Waukesha  
Wisconsin Butter & Cheese  
Co. ....A

### CHEESE

CAL.—San Francisco  
Wieland Bros., 121 Clay..A  
ILL.—Chicago  
Diederichs, Otto (Swiss;  
Limberger; American) .B  
ILL.—Elgin  
Cornell Bros. ....B  
Newman Co., John.....A  
Nolting, A. ....A  
Sherwin, W. W.....A  
Wood Butter Co., D. E....A  
IND.—Cambridge City  
Boyd & Driscoll.....A  
IND.—Indianapolis  
Jordan Co., Arthur.....AA

### CHEESE (Con.)

IOWA—Cedar Rapids  
Shaver Cheese Co., I. H....A  
IOWA—Charles City  
Ford, W. A. ....B  
White & Co.....B  
IOWA—Waterloo  
Fowler Co. ....AA  
MASS.—Boston  
Cochrane, Geo. A., 88 So.  
Market (Imp.) .....D  
MASS.—Cambridge  
Brigham Co., C.....A  
MICH.—Carleton  
Carleton Cheese Co.....B  
MICH.—Columbiaville  
Peter, Wm. (Est.).....AAA  
MICH.—Farmington  
Warner, F. M.....B  
MICH.—Fruit Ridge  
Horton, Geo. B.....B  
MICH.—Houghton  
Lake Superior Produce &  
Cold Storage Co.....AAA  
MICH.—Northville  
Power, A. D. & Son.....A  
MICH.—Novi  
Warner, F. M.....B  
MINN.—St. Paul  
Crescent Creamery Co....B  
N. Y.—Antwerp  
Baumert & Co., F. X....B  
N. Y.—Buffalo  
Hasselbeck Cheese Co.  
(Swiss; Limberger; Brick) B  
N. Y.—Chester  
Lawrence & Son, W. A...B  
N. Y.—East Aurora  
Richardson-Beebe Co. ....B  
N. Y.—Elton  
Lewis, J. B.....B  
N. Y.—Fairfield  
Old Fairfield Cheese Fac-  
tory Co. ....B  
N. Y.—Little Falls  
Zoller, J. ....AAA  
N. Y.—Massena  
Simpson, McIntire & Co...A  
N. Y.—Philadelphia  
Gebler, M. ....B  
N. Y.—Richfield  
Brockway, H. O.....B  
N. Y.—Rochester  
Hasselbeck, M. ....B  
N. Y.—Rodman  
Dry Hill Cheese Factory..B  
N. Y.—Sandusky  
Lewis, J. B.....B  
N. Y.—Syracuse  
Surbeck, John C.....A  
N. Y.—Utica  
Brown's Sons, J. P. ....B  
Grant, W. D. ....A  
N. Y.—Warren  
Young & Son, L. D. ....B  
OHIO—Columbus  
Lang, Shenck & Co.....B  
OHIO—Willington  
Willington Cheese Co. ..B  
PA.—Bulger  
Hermes & Son, P.....A  
PA.—Carnegie  
Bisi, E. (Imp'rs).....A  
PA.—Edinboro  
Marsh, William .....B  
PA.—Mansfield  
Zimmer & Clark .....B  
PA.—Philadelphia  
Hildman & Co., A., 105  
Pine (Imp'r's) .....F  
PA.—Seeleyville  
Smith & Son, G. (Mfrs;  
Impts) .....B  
PA.—Souderton  
Holly Bros. ....B  
VT.—St. Albans  
Franklin County Creamery  
Ass'n .....A  
WIS.—Bangor  
Bangor Swiss Cheese Mfg.  
Co. ....B  
WIS.—Dover  
McCanna & Frazer Co....A  
WIS.—East Farmington  
Koch, Wm. F.....B  
WIS.—Fond-Du-Lac  
Fond-Du-Lac Cheese &  
Butter Co. ....B  
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## APPENDIX

### CHEESE (Con.)

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 Hoard Creamery Co.....B  
**WIS.**—Manitowoc  
 Schuette Bros. Co. ....A  
**WIS.**—Monroe  
 Wenger & Co., Jno. C.  
 (Swiss; Limb.) .....B  
**WIS.**—Sheboygan  
 Udell & Co., C. E.....A  
**WIS.**—Troy Centre  
 Wisconsin Butter & Cheese  
 Co. ....A

### CORN MEAL

**ALA.**—Lincoln  
 Schmidt & Co., G. L.....O  
**CAL.**—Colton  
 Colton Grain & Milling Co.  
 B  
**CAL.**—Los Angeles  
 Los Angeles Farming &  
 Milling Co. ....AAAA  
**CAL.**—Sacramento  
 Phoenix Milling Co., 18th &  
 J. ....A  
**CAL.**—San Francisco  
 Stockton Milling Co.....AA  
**D. C.**—Washington  
 Cissel Co., G. W.....B  
**GA.**—Camilla  
 Mitchell County Fertilizer  
 Co. ....B  
**GA.**—Macon  
 Carstarphen Warehouse Co.,  
 T. J. ....B  
**ILL.**—Brighton  
 Hilliard, G. W.....B  
**I. T.**—Chickasha  
 Chickasha Milling Co.....B  
**IOWA.**—Burlington  
 Derby Mill & Elevator Co.  
 B  
**KANS.**—Arkansas City  
 New Era Milling Co....B  
**KANS.**—Clyde  
 Clyde Milling & Elevator  
 Co. ....B  
**KANS.**—Junction City  
 Tyler & Co. ....A  
**KANS.**—Newton

### CORN MEAL (Con.)

Eagle Milling Co. ....B  
**KANS.**—Pleasanton  
 Blaker Milling Co.....B  
**KANS.**—Salina  
 Western Star Milling Co.  
 B  
**KANS.**—Stafford  
 Larabee Flour Mills Co....A  
**MICH.**—Flint  
 Genesee Flouring Mills...B  
**MICH.**—Holland  
 Walsch-DeBoo Milling &  
 Cereal Co. ....B  
**MICH.**—Lowell  
 King Milling Co.....B  
**MICH.**—Tecumseh  
 Hayden Milling Co., Wm. B  
**MINN.**—Edgerton  
 Edgerton Flouring Mill Co.  
 B  
**MO.**—Independence  
 Waggoner-Gates Milling Co.  
 A  
**MO.**—Marionville  
 Marionville Roller Mill Co.  
 B  
**NEBR.**—Crete  
 Crete Mills .....B  
**NEBR.**—Kearney  
 Kearney Flour Mills.....A  
**NEBR.**—Oakdale  
 Gallaway Flour Mill & Ele-  
 vator Co. ....B  
**KANS.**—Schnuyler  
 Wells-Abbott-Nieman Co.  
 AA  
**N. Y.**—Troy  
 Boutwell Milling & Grain  
 Co. ....A  
**N. C.**—Lexington  
 Grimes Bros. ....A  
**N. C.**—Washington  
 Havens, J. ....B  
**N. C.**—Tellico Junction  
 Tellico Junction Mills...B  
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## INDEX

**INSTRUCTIONS.**—The list of Machinery Manufacturers follows this index. It is arranged alphabetically by States, Cities, Towns, etc. The list is numbered consecutively from 2 up.

This index is an alphabetically arranged list of names and kinds of machines and machinery. Look for the main or leading name of the machine wanted. After the main name of any machine the specific kinds of that machine are printed in parentheses. The numbers refer to the names correspondingly numbered in the list of manufacturers, easily ascertained by following the running heads on the pages.

**EXAMPLE.**—If Match Box Machines are wanted, look in this index for BOX; then look through the subheadings in parentheses for (Match). The number 1394 will be found. Turn to name number 1394 in the following list of manufacturers. In cases where the same machine is known by more than one name, look in the index under the various different classifications under which it might be included.

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**AUTOMOBILE**—50.  
**AXE**—40, 1173, 1425.  
**AXLE**—260.  
**BABBITTING**—1217.  
**BACKING**—194, 900, 1080, 1327, 1462.  
**BAG**—642, 699, 811, 907.  
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**BALLING**—477, 546, 782, 1580, 1660.  
**BANDING**—275, 615, 1388, 1661.  
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**BARBING** (*Nail*) 271, 502.  
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**BARREL**—310, 391, 396, 597, 645, 670, 696, 699, 730, 899, 922, 936, 1136, 1283, 1295, 1718, 1770.  
**BASKET**—526, 701, 702, 936, 1053, 1718.  
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# MACHINERY

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- CAL.—San Francisco*  
 4—Doble Co., Abner (Hydraulic).....A  
 5—Garrett Co., W. T. (Air-Moving & Refrigerating) AA  
 6—Hendy Mach. Wks., Joshua (Sash Door & Blind Slotting) .....AA  
 7—Henshaw, Bulkley & Co., Fremont & Mission (Conveying; all kinds for all purposes).....A  
 8—Meese & Gottfried Co., 167 Fremont (Ice & Refrigerating) .....A  
 9—Pacific Acetylene Gas Co., 115 Montgomery (Acetylene Gas) .....G  
 10—Risdon Iron & Locomotive Wks. (Refrigerating) AAAA  
 11—San Francisco Tool Wks. (Water Wks., Pumping) A
- CAL.—San Leandro*  
 12—Best Mfg. Co. (Grain Cleaning).....AA
- COLO.—Denver*  
 13—Hendrick & Bolthoff Mfg. & Supply Co. (Mining Timber Framing) .....AA  
 14—Hingley Laundry Specialty Co. (Steam Laundry Dampeners) .....X  
 15—Stearns-Rogers Mfg. Co. (Chlorinating, Cyaniding, Hoisting) .....A
- CONN.—Ansonia*  
 16—Farrell Fdry. & Mach. Co. (Rubber; Veneer Cutting; Rolling Mill) .....AAAA
- CONN.—Bridgeport*  
 17—Adams, A. L., cor. Water & South Av. (Corset).F  
 18—Amer. Tube & Stamping Co. (Straightening; Cutting Strip Metal; Swaging).....AAAA  
 19—Armstrong Mfg. Co. (Pipe Cutting; Threading).A  
 20—Automatic Mach. Co. (Automatic Screw; Wire Straightening; Cutting) .....B  
 21—Bridgeport Safety Emery Wheel Co. (Buffing; Polishing) .....F  
 22—Bullard Mach. Tool Wks. (Brass Working; Boring; Drilling; Vertical Metal Boring; Turning; Railroad Shop) .....AA  
 23—Coulter & McKenzie Mach. Co. (Car Spring; Bending; Forming; Spring Coiling; Taper Rolling; Wire Forming) .....D  
 24—Curtis & Curtis Co. (Pipe; Pipe Cutting; Threading) .....AA  
 25—Hubbell, Harvey (Riveting; Screw Slotting; Tapping) .....C  
 26—Model Mach. Co. (Sewing) .....D  
 27—Nilson Mach. Co., A. H. (Wire Straightening; Cutting) .....E  
 28—Pacific Iron Wks. (Hoisting; Steam Power)....A  
 29—Smith & Egge Mfg. Co. (Automatic Hand Sewing) .....A  
 30—Special Machy. Co. (Automatic Buckle Wire; Automatic Paper Clip; Fastener; Special Automatic Staple).....F  
 31—Springfield Mfg. Co. (Buffing; Grinding; Polishing; Brick Surfacing; Sash; Door; Stropping)....B  
 32—Union Metallic Cartridge Co. (Cartridge)....AAA  
 33—Wheeler & Wilson Mfg. Co. (Buttonhole; Cloth Room Sewing; Corset; Cylinder; Double Needle; Fancy Stitch; Boot; Shoe Sewing; Glove Pointing; Glove Stitching; Hand Sewing; Hat Binding; Hat Sweat Stitching; Hem Stitch Sewing; Leather Stitching; Lock Stitch Sewing; Overseaming; Serging; Spoke Stitch; Vamping) .....AAAA
- CONN.—Bristol*  
 35—Root, C. J. (Counting) .....B  
 36—Smith, Ira R. (Adjustable Stamping for Stamping Name on Spoons & Metal) .....E
- CONN.—Danbury*  
 38—Hull Bros. & Co. (Acetylene Gas).....C  
 39—New Mach. Co. (Hat) .....F
- CONN.—Derby*  
 40—Birmingham Iron Fdry. (Axe; Rolling Mill; Rubber Friction Calendering; Cloth Brushing; Pick Rolling; Soling; Upper; Tubing) .....AA
- CONN.—East Hampton*  
 41—Brown Co. H. B., The (Bolt; Nut; Heading Tapping Threading) .....C
- CONN.—Hartford*  
 42—Billings & Spencer Co. (Cold Metal Cutting-Off; Forging) .....AA  
 43—Colt's Patent Fire Arms Mfg. Co. (Rifling) AAAA

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- 44—Cook Co., Asa F. (Bolt Heading for Stove & Fire Bolts, etc.; Bolt Threading for Stove & Fire Bolts, etc.; Die Sinking, Milling; Wood Screw) .....B
- 45—Dart Marking Machine Co., P. O. Box 82 (Dart Marking; Addressing Shipping Cases) .....X
- 46—Dwight Slate Mach. Co. (Metal Cutting-Off; Double Seaming; Gear Cutting; Marking; Plain Milling; Rack Cutting; Roofing; Screw Slotting; Sheet Metal Workers; Tools; Thread Tool Grinding) .....B
- 47—Hartford Machine Screw Co. (Die Chamfering; Forming; Bending; Small Bench Milling; Automatic Screw; Screw Slotting; Slotting; Tapping) AAAA
- 48—Marrow Machine Co. (Crocheting; Crochet; Bed Blanket; Knit Goods Finishing; Overseaming; Sewing; Blanket Finishing; Horse Blanket Whipping) B
- 49—Phoenix Iron Wks. Corp'n (Bleaching) .....B
- 50—Pope Mfg. Co. (Automobile; Bicycle) .....AAAA
- 51—Pratt & Whitney Co. (Bolt; Nut; Bolt Pointing; Bolt Threading; Horizontal Boring; Drilling; Tapping; Centering; Chucking; Counting; Brass Working; Cold Metal Cutting-Off; Cold Metal Sawing; Cutting-Off Wood; Horizontal & Vertical Milling; Horizontal Tapping; Bench Milling; Automatic Shaping Screw; Die Sinking; Drilling & Tapping Combined; Flang Facing; Forging; Forging & Bending; Upright Gang Drilling; Hand Shearing; Marking; Involute & Epicycloidal Gear Cutting; Monitor (made only to order); Oil Testing; Profiling; Roll Grooving; Screw Shaving; Screw Slotting; Shaft Boring; Shafting; Slotting; Spring Coiling; Thread Cutting; Automatic Weighing for Granular Materials; Wheel-Rim Turning; Cartridge Varnishing; Rifling; Gun Barrel Drilling) .....AAAA
- 52—Quint, A. D., 31 Wells (Milling; Tapping) ... D
- 53—Smyth Mfg. Co. (Bookbinders; Book Sewing; Book Case) .....AAA
- 54—Spencer Automatic Mach. Screw Co. (Automatic Screw) .....X
- 55—Whitney Mfg. Co. (Bench Hand Milling; Plain Milling) .....A
- CONN.—Meriden**
- 56—Kelsey Press Co. (Presses; Hand Printing) ....A
- 57—Merriman, A. H. (Forging).....C
- CONN.—Middletown**
- 58—Douglas, W. & B. (Hydraulic).....A
- 59—Palmer, I. E. (Cloth Finishing; Cotton Finishing; Sheer Finishing) .....AAA
- CONN.—Mystic**
- 60—Standard Machry. Co. (Paper Cutting) .....A
- CONN.—New Britain**
- 61—New Britain Mach. Co. (Saw Setting; Chair Saw; Wood Mortising) .....A
- CONN.—New Haven**
- 62—Barnes Tool Co. (Circular Saw; Hand Power; Match; Match Box) .....B
- 63—Belden Mach. Co. (Wire Straightening; Cutting) .....D
- 64—Bishop, Walter S., Atwater Blk. (Electro-Plating) .....E
- 65—Brooks, Chas. J., 27 Artizan (Nut Tapping) ... E
- 66—Brown & Co., R. H. (Pamphlet Stitching; Type Setting; Type Distributing; Wire Stitching).....E
- 67—Burgess, E. A. (Est. of) (Boxmakers' Nailing; Trimming, &c.) .....E
- 69—Eastern Machinery Co. (Brick; Supplies; Hoisting; Steam Power) .....B
- 70—Griswold, Geo. M. (Brass Sawing; Milling; Watch Case; Match) .....D
- 71—Harrison, Leonard D. (Flour Mill) .....H
- 72—Herrick & Cowell (Match; Toothpick).....C
- 73—New Haven Mfg. Co. (Metal Boring; Shaft Straightening; Shafting; Slotting; Boring; Turning; Vertical) .....AA
- 74—Reynolds & Co. (Sand Molding; Wood Molding; Screw) .....B
- 75—Shuster Co., F. B. (Automatic Buckle Tongue; Butt Drilling; Milling; Automatic Cold Roll Pointing; Countersinking; Drilling; Drilling Multiple Spindle; Drilling Rivet; Double Head; Double End Milling; Automatic Ring Forming; Tubular Rivet; Elastic Rotary Blow, &c.; Riveting; Shear; Barbed Point; Automatic Staple; Automatic Wire Straightening; Cutting; Sheet Metal Straightening; Tack Cutting; Wire Cutting; Wire Forming).....X
- 76—Thompson & Son Co., Henry G., 6 Elm (Bookbinders') .....B
- CONN.—New London**
- 77—Whiton Machine Co., D. E. (Centering; Gear Cutting) .....AA
- CONN.—Norwich**
- 78—Barber, M. A. (Bicycle Chain Testing; Cork Cutting) .....X

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81—Baird Machine Co. (Bottle Stopper; Pin, &c.)...E	
CONN.—Plainville	
82—Norton & Jones Machine Tool Wks. (Drilling; Slitting; Special).....	H
CONN.—Seymour	
83—Swan Co., Jas. (Spoke).....	A
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84—Peck, Stow & Wilcox Co. (Corrugating; Crimping; Beading; Double Seaming; Sheet Metal Forming; Bending; Notching; Sheet Metal Workers'; Tools; Cornice; Tin Roofing; Tinsmiths'; Tobacco Cutting; Turning; Wiring).....	AAAA
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85—Atwood-Morrison Co. (Cotton Thread; Silk)..AA	
CONN.—Thompsonville	
86—Bushnell Press Co., Geo. H. (Oil Mill; Hydraulic)	A
CONN.—Tolland	
87—Clough, R. M. (Vertical Milling).....	D
CONN.—Torrington	
88—Excelsior Needle Co. (Rod; Tube Pointing; Swag- ing).....	AAAA
89—Hendey Machine Co. (Horizontal; Plain; Univer- sal, &c.; Milling).....	AA
CONN.—Waterbury	
90—Cross & Speirs Mach. Co. (Jack Pump, &c.; Chain Making; Buffing; Polishing; Perforating; Double Blow Riveting; Scratching; Overhauling for Remov- ing Bad Spots from Brass Plate, &c.; Screw Thread Rolling; Gang, &c., Slitting; Automatic Wire Straight- ening; Cutting).....	X
91—Draher, Jno. (Riveting; Screw).....	F
92—Manville Machine Co., E. J. (Buckle; Cartridge; Eyelet; Pin Pointing; Screw Heading; Screw Slot- ting; Screw Thread Rolling; Tapping; Wire Straight- ening; Cutting).....	C
93—Waterbury Farrell Fdry. & Mach. Co. (Automatic Cold Bolt Heading; Buffing; Polishing; Die Sinking; Nut Blanking; Screw Thread Rolling; Slitting; Swag- ing; Wire Straightening; Cutting; Metal Scraping; Metal Straightening; Rivet; Threading; Wire Cabling; Bolt; Nut; Hinge; Rolling Mill; Cartridge).....	AA
CONN.—Willimantic	
94—Vanderman Plumbing & Heating Co. (Smoke Test).....	C
95—Willimantic Machine Co. (Thread; Silk).....	B
CONN.—Windsor Locks	
96—Clark Co., Geo. P. (Sizing).....	C
97—Windsor Locks Machine Co.. (Carpet; Paper Making).....	E
CONN.—Winsted	
98—Carter & Hakes Machine Co. (Milling).....	D
DEL.—Wilmington	
99—Baker & Co., Geo. W. (Leather Working).....	B
100—Betts Machine Co. (Bridge Working; Boring; Turning Vertical; Horizontal Boring; Drilling; Car Wheel Boring; Planing; Slotting from 2 to 8 inch Stroke).....	AA
101—Delaware Mach. Wks. (Leather Working).....	D
102—Henderer's Sons, A. L. (Punching Hydraulic; Steel Punching; Screw).....	E
103—Hilles & Jones Co. (Milling; I Beam Punching; Multiple Punching; Power Riveting).....	AAAA
104—Poole Co., J. M. (Leveling for Sheets).....	AA
105—Pusey & Jones (Cocoa-Nut Oil; Cylinder; Steam Riveting; Paper; Pulp; Sugar).....	AAA
106—Remington Machine Co. (Cane-Seat Chair; Can- ning; Ice; Refrigerating).....	A
107—Slocumb & Co., F. F. (Pneumatic Riveting; Leather Working).....	C
108—Walker & Elliott (Cement Grinders; Mixers; Con- veying; Fertilizer Factory; Phosphate Mill).....	B
D. C.—Washington	
109—Acetylene Lighting Co. (Acetylene Gas).....	X
110—Morrison Paper Co., E. (Paper Testing).....	B
GA.—Atlanta	
111—Atlanta Machine Wks. (Ice; Refrigerating)....	B
112—De Loach Mill Mfg. Co. (Coppers; Flour Mill; Saw Mill; Wood Moulding).....	B
113—Van Winkle Gin & Mach. Wks. (Fertilizer Fac- tory).....	AAA
GA.—Columbus	
114—Columbus Iron Wks. (Ice; Refrigerating)....	AA

# APPENDIX—Machinery (115-157)

- 115—Golden's Fdry. & Mach. Co. (Ice; Refrigerating) **A**  
*GA.—Rome*  
 116—Morrison, Trammel Brick Co. (Brick; Supplies) **D**  
*GA.—Savannah*  
 117—Kehoe & Co., Wm. (Phosphate; Rice; Saw Milling) **A**  
*ILL.—Aurora*  
 118—Amer. Well Wks. (Compressed Air; Pumping; Artesian Well; Oil Well; Horse Power; Pumping; Traction Drilling; Well Sinking) **AA**  
 119—Western Wheeled Scraper Co. (Ditching; Railroad Ditching; Street Sweeping; Road) **AA**  
*ILL.—Batavia*  
 120—Appleton Mfg. Co. (Horse Power Pumping) **A**  
 121—Challenge Wind Mill & Feed Mill Co. (Horse Power Pumping) **AAA**  
 122—U. S. Wind Engine & Pump Co. (Ensilage; Irrigating) **AA**  
*ILL.—Belleville*  
 123—Belleville Pump & Skein Wks. (Coal; Coal Cutting) **AA**  
 124—Harrison Mach. Wks. (Threshing) **AA**  
*ILL.—Belvedere*  
 125—National Sewing Mach. Co. (Sewing) **AAA**  
*ILL.—Cairo*  
 126—Reed, Jos. B. (Tripple Gear, &c.; Shaping) **B**  
*ILL.—Carpentersville*  
 127—Illinois Iron & Bolt Co. (Paper Testing) **AA**  
 128—Star Mfg. Co. (Threshing) **A**  
*ILL.—Chicago*  
 129—Acetylene Apparatus Mfg. Co., 157 Michigan Av. (Acetylene Gas) **A**  
 130—Acorn Brass Mfg. Co., 15 So. Jefferson (Paint Spraying) **D**  
 131—Addressograph Co., 173 So. Canal (Addressing) **A**  
 132—Advance Mach. Co., 194 S. Clinton (Incand. Gas Mantle) **F**  
 133—Allis-Chalmers Co., Home Ins. Bldg. (Cement; Coal Mining; Coal Washing; Copper Converting; Elevating; Conveying; Cyaniding; Mixing; Prospecting; Sampling; Hoisting; Steam Power) **AAAA**  
 134—Amer. Can Co., 135 Adams (Notching; Spring Coiling) **AAAA**  
 135—Am. Fdry. & Machy. Co. (Soap; Fertilizer; Drying) **AA**  
 136—Anderson & Co., Carl (Horse Power Pumping) **C**  
 137—Austin Mfg. Co., F. C., Manhattan Bldg. (Elevating; Conveying; Tile Ditching; Earth Moving; Street Cleaning) **AAA**  
 138—Barber Creamery Supply Co., A. H., 229 So. Water (Ice; Refrigerating; Portable Ice; Tinners' Grooving) **B**  
 139—Benedict, Louis, 128 So. Clinton (Tin Can Testing; Seaming) **D**  
 140—Birtman Co., C. F., 35 Randolph (Static Electric; X-Ray) **C**  
 141—Blickensderfer Mfg. Co. (Typewriting) **AA**  
 142—Borden & Selleck Co., 48 Lake (Coal; Ore Handling; Elevating; Conveying) **B**  
 143—Roland Machy. Co., 209 S. Clinton (Brick; Supplies) **F**  
 144—Bottlers' Special Machy. Co., 110 E. Indiana (Automatic Bottle Filling; Labeling; Washing) **D**  
 145—Brewers' & Bottlers' Machy. Wks. (Bottle Washing) **G**  
 146—Brown Specialty Machy. Co., Jackson Boul. & Clinton ("Hammer" Core Making) **E**  
 147—Caldwell & Son Co., H. W., 17th & Western Av. (Elevating; Conveying; Lead; Soap; Oil Mill; Power Transmitting) **AA**  
 148—Challenge Machy. Co. (Printers') **A**  
 149—Chicago Brick Machy. Co., 225 Dearborn (Brick; Supplies) **E**  
 150—Chicago Clothes Dryer Wks., 346 Wabash Av. (Clothes Drying) **D**  
 151—Chicago Flexible Shaft Co., La Salle Av. & Ontario (Portable Boring; Horse Clipping; Sheep Shearing; Portable Tanning; Reaming) **B**  
 152—Chicago Paper Tube & Can Co., 20 N. May (Paper Tube Rolling; Cutting) **X**  
 153—Chicago Pneumatic Tool Co., Fisher Bldg. (Pneumatic Paint Spraying; Pneumatic Riveting; Pneumatic Sand Planing; Pneumatic Wood Boring; Portable Pneumatic Riveting) **AAAA**  
 154—Chicago Sewing Mach. Co. (Sewing; Lock Stitch) **A**  
 155—Chisholm, Poyd & White Co., W. 57th. cor. Wallace (Brick; Supplies; Briquetting; Dry Brick Press) **A**  
 156—Clow & Sons, Jas. B., 344 Franklin (Portable Pipe Cutting; Threading) **AAA**  
 157—Clyde Mach. Wks., 224 & Shields Av. (Crank Pin

# APPENDIX—Machinery (158-205)

- Turning) ..... E
- 158—Consolidated Press & Tool Co., 98 N. Clinton (Sheet Metal Workers'; Tools).....D
- 159—Cooper Sheep Shearing Mach. Co., 142 Illinois (Sheep Shearing) .....B
- 160—Covel Mfg. Co., 8 S. Canal (Saw Sharpening)....C
- 161—Crane Co. (Pipe Cutting; Threading).....AAAA
- 162—Creamery Package Mfg. Co., 182 E. Kinzie (Ice; Refrigerating; Creamery) .....AAAA
- 163—Cross Press & Sign Co., 57 Dayton (Wooden Box Printing) .....B
- 164—Cummings Co., B. F. (Check Cancelling).....C
- 165—Dreis & Krump, 3214 S. Halsted (Sheet Metal Workers'; Tools) .....E
- 166—Elmes Engineering Wks., Chas. F. (Cylinder Boring) .....A
- 167—Fairbanks, Morse & Co., Franklin & Monroe (Portable Iron Shop Sawing; Water Works; Wine Pumping; Coal; Ore Handling; Hoisting; Conveying; Mining; Track) .....AAAA
- 168—Featherstone Fdry. & Mach. Co., 348 Halsted (Heavy Pneumatic Forging; Ice; Refrigerating)....AA
- 169—Felt & Tarrant Mfg. Co., 52 Illinois (Adding)....B
- 170—Fischer Mach. Wks., 345 So. Canal (Multiple Boring; Veneer; Wooden Box Matching; Re-Sawing; Surfacing) .....B
- 171—Folding Sawing Mach. Co. (Saw; Folding)....D
- 172—Foley & Williams Mfg. Co., 46 E. Jackson Boul. (Sewing) .....A
- 173—Garden City Fan Co. (Multiple Boring) .....B
- 174—Garland Gas Machine & Supply Co., Geo. D. (Laundry; Gas) .....E
- 176—Goetz & Flodin Mfg. Co. (Brewers' Mashing)....A
- 177—Goldman & Co., E. (Bottle Soaking).....A
- 178—Goodman Mfg. Co., Halsted & 48th Place (Electric Coal Mining; Coal Cutting; Chain Mining)....AA
- 179—Greenlee Bros. & Co., 225 W. 12th (Car Boring; Panel Raising; Sand Papering; Boring; Mortising; Car Tenoner; Car Cut-Off; Gaining; Car Mortising; Furniture; Sash; Door; Blind; Boring all kinds).AA
- 180—Harvard Electric Co., 224 S. Clinton (Static Electric) .....D
- 181—Healy Ice Mach. Co., 641 30th (Ice; Refrigerating) .....F
- 182—Heimbuecher & Co., W. C., 36 La Salle (Acetylene Gas) .....D
- 183—Hoisting & Conveying Machy. Co., 44 N. Elizabeth (Coal; Ore Handling; Elevating; Conveying).....E
- 184—Hunter's Acetylene Gas Co. (Acetylene Gas)....B
- 185—Illinois Sewing Mach. Co., Wabash & Randolph (Sewing; Lock Stitch) .....AA
- 186—International Harvesting Mach. Co. (Threshing) .....AAAA
- 187—Jones Fdry. & Mach. Co., W. A., cor. North Av. & Noble (Cylinder Boring; Pulley Boring; Turning) .....A
- 188—Kaestner & Co. (Inc.), (Moved to So. Bend, Ind.) (Automatic Beer Racking; Barley; Malt Cleaning; Keg Rolling; Scrubbing; Brewers' Mashing; Pitching; Malt Roasting; Drug; Chemical Bottling; Soap; Lead; Putty; Oil; Cement) .....A
- 189—Kelley-Maus & Co., 184 Lake (Hand Power Metal Sawing) .....AA
- 190—Chicago Solder Co., 44 N. Union (Improved Automatic Tipping) .....D
- 191—Knapp Co., Fred H., 80 Wabash Av. (Bottle Labeling; Can Labeling; Boxing; Riveting).....D
- 192—Kroeschell Bros. Co. (Ice; Refrigerating).....A
- 193—Lange, Henry G., 22 N. May (Bookbinders'; Confectioners'; Coffee; Peanut; Cocoa Bean Roasting; Glass Beveling; Polishing) .....E
- 194—Latham Machy. Co. (Bookbinders'; Numbering; Paging; Perforating; Wire Stitching; Back Forming; Backing; Sawing; Stabbing) .....C
- 195—Laubenheimer Co., Geo. H. (Brewers' Washing).D
- 196—Laun Bros. (Acetylene Gas) .....X
- 197—Link Belt Machy. Co., W. 39th & Stewart (Automatic Barrel Washing; Can Washing; Elevating; Conveying; Ensilage; Coal Hoisting, &c.; Leather Belting; Rubber Belting) .....AAA
- 198—Lovejoy, T. H., 90 Ohio (Cast; Forged Steel; Screw Punching) .....D
- 199—Liquid Carbonic Acid Mfg. Co., 76 Illinois (Bottlers'; Carbonating) .....AAAA
- 200—McCrea & Co., Jas., 67 W. Washn. (Boring for Electric Wiring; Drilling Bit Brace).....E
- 201—McDonnell Odometer Co. (Counting; Special)....X
- 202—McElliott, D. P., 37 State (Static Electric)....X
- 203—McGuire-Cummings Mfg. Co., 122 N. Sangamon (Street Railway Sweeping) .....AA
- 204—Macdonald Engineering Co., Monadnock Bldg. (Engineers'; Contractors' Coal; Ore Handling)....B
- 205—Magnus Sons Co., A., 244 E. Randolph (Bottle

# APPENDIX—Machinery (206-255)

- Washing) .....B  
 206—Mateer & Co., F. W., 7 S. Jeff. (Laundry  
 Tumbling) .....E  
 207—Matthews Gas Mach. Co., 40 Dearborn (Gas)...B  
 208—Moore & Lorentz Co., 115 So. Clinton (Elevating;  
 Conveying) .....D  
 209—Morgan-Gardner Electric Co., 2640 Shields Av.  
 (Coal Mining; Electric Coal Mining; Electric Coal  
 Cutting; Electric Chain Mining) .....AAA  
 210—Municipal Engineering & Contracting Co., 315  
 Dearborn (Sewer; Trench Excavating; Tile Ditching)  
 A  
 211—Murphy & Co., Christopher, 204 Dearborn (Flue  
 Welding) .....B  
 213—National Mach. Wks., Sheffield & North Av.  
 (Pitching) .....C  
 214—Nelson & Kreuter Co. (Ironing; Laundry).....A  
 215—New England Mfg. Co., 59 Clark (Acetylene Gas)  
 B  
 216—Novelty Tufting Machine Co. (Upholstering;  
 Tufting) .....C  
 217—Oliver Typewriter Co. (Typewriting) .....AA  
 218—Olsen & Filgner (Barley; Malt Cleaning; Washing)  
 C  
 219—Pettibone, Mulliken & Co., 204 Dearborn (Roller  
 Rail Bending; Straightening) .....AAAA  
 220—Pridmore, Henry E., 19th & Rockwell (Car Wheel  
 Molding; Pulley Molding; Sand Molding).....A  
 221—Pringle & Brodie Machy. Co., 277 So. Canal (Cur-  
 tain Pole Sanding; Finishing; Sanding; Buffing  
 Dowel; Rosette; Corner Block; Multiple Spindle  
 Wood Boring; Wood Ring; Valve Handle).....D  
 222—Railroad Supply Co., Bedford Bldg. (Power; Port-  
 able Iron Shop Sawing) .....B  
 223—Railway Appliances Co., Old Colony Bldg. (Metal  
 Cutting-Off; Metal Sawing; Pneumatic Riveting; Rail  
 Sawing) .....A  
 224—Rand Drill Co., 128 Monadnock Bldg. (Stone  
 Channelling; Tunnelling; General Mining)...AAAA  
 225—Raymond Bros. Impact Pulverizer Co., 143 Laflin  
 (Pulverizing; Separating) .....D  
 226—Rebsamen & Almeroth (Ice) .....E  
 227—Redlich Mfg. Co. (Bottling; Corking; Filling; Tin-  
 foil Capping; Labeling; Washing).....B  
 228—Rosback, F. B. (Stabbing) .....E  
 229—Schneider, Adolph (Bottle Filling).....X  
 230—Schniedewend & Co., Paul (Paper Cutting; Elec-  
 trotypers'; Stereotypers'; Photo Engravers').....X  
 231—Shaw, Willis, N. Y. Life Bldg. (Ditching: Stone  
 Channeling) .....E  
 232—Smith & Phillips Mfg. Co., 97 W. Adams (Pulley  
 Mortising; Sash Grooving; Stair Routing) .....D  
 233—Star Brass Wks., 675 Canal (Paint Spraying)...F  
 234—Stier Mfg. Co., Herman (Brewers' Mashing)...D  
 235—Stiles-Morse Co. (Auto. Tin Can) .....C  
 236—Streeter-Amet Weighing & Recording Co. (Auto-  
 matic Weighing) .....B  
 237—Stoud & Co., E. H., 38 La Salle (Pulverizing;  
 Street Cleaning) .....D  
 238—Sullivan Machy. Co., 135 Adams (Coal Mining;  
 Cutting; Stone Channeling; Drilling; Quarrying)....  
 AAAA  
 239—Thexton Electric Envelope Sealer Co. (Envelope  
 Sealing) .....X  
 240—Thornburgh & Co., H. L., 245 Jefferson Av.  
 (Flour Mill; Grain Elevator) .....X  
 241—Trenkhorst, Frank (Brewers' Mashing).....F  
 242—Turner & Co., W. W., 38 La Salle (Acetylene  
 Gas) .....D  
 243—Twentieth Century Machy. Co. (Bottle Soaking)...X  
 244—Union Carbide Co., 157 Michigan Av. (Acetylene  
 Gas) .....A  
 245—United Shoe Machy. Co., 40 La Salle (Boot;  
 Shoe) .....B  
 246—Wallace Supply Co., 169 Jackson Boul. (Hand  
 Power Bending; Paint Spraying) .....C  
 247—Webster Mfg. Co., 1075 W. 15th (Cement; Elevat-  
 ing; Conveying; also Cement; Oil; Fertilizer Mills)  
 AA  
 248—Western Electric Co. (Electricl).....AAAA  
 249—Weller Mfg. Co., 118 E. North Av. (Elevating;  
 Conveying) .....A  
 250—Wells Steam Pump Co., F. C. (Water Works;  
 Pumping) .....AA  
 251—Whitcomb & Co., Geo. D., 86 Ohio (Coal Cutting)  
 B  
 252—Williams Lloyd Machy. Co. (Type High).....X  
 253—Wold, Torris & Co., 66 N. Jefferson (Can Makers';  
 Sheet Metal Workers'; Tools) .....C  
 254—Wolf Co., Fred W., 139 Rees (Beet Washing; Slic-  
 ing; Ice; Refrigerating, Sugar).....AAA  
 255—Wrigley Co., Thos., 300 Dearborn (Conduit Pipe



# APPENDIX—Machinery (256-294)

Bending; Silk Doubling)	G
ILL.— <i>Cobden</i>	
256—Cobden Mach. Wks. (Basket Stapling)	D
ILL.— <i>Decatur</i>	
257—Mueller Mfg. Co., H. (Drilling; Pipe Pressure; Tapping; Gas; Water Main Tapping; Pipe; Dry Pipe Tapping)	AAA
ILL.— <i>Downers Grove</i>	
259—Dicke Tool Co. (Bottling Capping; Corking; Filling; Supplies)	C
ILL.— <i>Du Quoin</i>	
260—Higgins, J. J. (Watch Cleaning)	E
ILL.— <i>Edwardsville</i>	
261—Bignall & Keeler Mfg. Co. (Pipe Cutting; Threading)	B
ILL.— <i>Freeport</i>	
262—Arcade Mfg. Co. (Slicing Bread; Fruit; Meat; Vegetables, &c)	A
263—Hoefer Mfg. Co. (Automatic Furniture Spring Coiling; Spring Knotting; Staple; Wire Spooling; Wire Straightening; Cutting)	C
264—Stover Mfg. Co. (Irrigating)	AA
ILL.— <i>Galesburg</i>	
265—Boyer Broom Co., A. (Broom)	X
ILL.— <i>Harvey</i>	
266—Frost Mfg. Co. (Brick; Supplies)	A
267—Austin Mfg. Co., F. C. (Ditching; R. R. Ditching; Sewer; Trench Excavating; Steel Street Sweeping; Artesian Well; Oil Well; Road; Traction Drilling; Well Sinking)	AAA
268 Buda Fdry. & Mfg. Co. (Rail Bending; Straightening)	AA
269—Whiting Fdry. Equipment Co. (Cart Wheel Testing; Moulding; Axle; Draw-Bar, &c., Testing; Hoisting)	AA
ILL.— <i>Hoopeston</i>	
270—Sprague Canning Machy. Co. (Can Testing; Canning)	A
ILL.— <i>Joliet</i>	
271—Bates Machine Co. (Die Plate Hammering, Automatic Numbering; Staple; Wire; Nails; Wire Nail Barbing; Wire Twisting)	AA
ILL.— <i>Marseilles</i>	
272—Marseilles Mfg. Co. (Wood Sawing; Splitting)	A
ILL.— <i>Moline</i>	
273—Barnard & Leas Mfg. Co. (Packing; Cement Packing; Grain Cleaning; Flour Milling; Rice Milling; Scouring; Polishing; Separating Combined)	AA
274—Moline Tool Co. (Metal Gang Bores)	E
275—Williams, White & Co. (Bolt; Nut; Carriage Builders; Coal; Ore Handling; Bending Tire; Banding; Forming; Forging; Bending; Gang Punching; Multiple Drilling; Punching; 6-10 Holes in Wood Gang Drilling; Riveting; Spoke Riveting; Swaging; Taper Rolling; Gang Boring; Tire Welding)	AA
ILL.— <i>Oswego</i>	
276—Edwards, J. H. (Acetylene Gas)	F
ILL.— <i>Ottawa</i>	
277—Amer. Hardware Mfg. Co. (Sheet Metal Workers')	C
278—Knowles, W. H. (Brick Clay Pans, &c.)	D
ILL.— <i>Peoria</i>	
279—Bartholomew Co. (Coffee; Pea Nut Roasting)	B
ILL.— <i>Quincy</i>	
280—Central Iron Wks. (Button)	B
ILL.— <i>Rockford</i>	
281—Barnes Co., W. F. & John (Horizontal Boring; Drilling; Foot Power; Foot Power Wood Turning; Hand & Foot Power Wood Mortising; Moulding; Circular Saw; Cutting-Off Wood; Polishing Rip Saw)	AA
282—Ingersoll Milling Mach. Co. (Heavy Horizontal; Vertical; Vertical Spindle Milling)	D
283—Marsh, H. C. (Mitring)	C
284—Palmer Co., H. H. (Clothes Washing)	D
ILL.— <i>St. Charles</i>	
285—Leader Fence Mach. Mfg. Co. (Fence)	C
286—Moline Malleable Iron Co. (Elevating; Conveying)	A
ILL.— <i>Sandwich</i>	
287—Estep & Dolan (Hand Bending)	F
IND.— <i>Anderson</i>	
288—Amer. Bridge & Scraper Co. (Street Sweeping)	D
289—Anderson Fdry. & Mach. Wks. (Brick; Supplies; Tin Plate)	B
290—Hill Tool Co. (Key Seating)	E
291—Woolley Fdry. & Mach. Co. (Gas; Gasoline)	B
292—Sandwich Mfg. Co. (Wood Sawing)	AA
ILL.— <i>Streator</i>	
293—Iwan Bros. (Digging; Ditching)	C
ILL.— <i>Vandalia</i>	
294—Craycroft, Benj. (Brick; Brick Press; Supplies)	D

# APPENDIX—Machinery (295-343)

295—Aurora Tool Wks. (Drilling; Tapping; Plain; Universal Milling)	B
296—Stedman Fdry. & Mach. Wks. (Brick; Supplies; Grinding)	B
IND.—Bluffton	
297—Bluffton Mfg. Co. (Clothes Washing)	C
IND.—Columbus	
298—Reeves & Co. (Threshing)	AAAA
IND.—Connersville	
299—Roots Co., P. H. & F. M. (Band Sawing; Elevating; Conveying; Pneumatic)	AA
IND.—Crawfordsville	
300—Lyle & Reynolds (Fence)	E
IND.—Dana	
301—Draper Mfg. & Gas Co. (Acetylene Gas)	F
IND.—Elkhart	
302—Elkhart Frog & Crossing Wks. (Rail Bending; Straightening)	C
IND.—Evansville	
303—Bernardin Bottle Cap Co. (Bottlers' Supplies)	B
304—Heilman Mach. Wks. (Threshing)	A
IND.—Fort Wayne	
305—Horton Mfg. Co. (Clothes Washing)	B
306—Indiana Road Mach. Co. (Street Railway Sweeping)	A
307—Wayne Mfg. Co., Anthony (Clothes Washing)	X
IND.—Frankfort	
308—Wallace Mfg. Co. (Brick; Brick Press; Supplies)	C
IND.—Fountain City	
309—Hampton, O. H. (Acetylene Gas)	G
IND.—Indianapolis	
310—Atkins & Co., E. C. (Barrel; Keg; Stave; Heading; Brazing; Band Saw; Coopers')	AAAA
311—Capitol Mach. Wks. (Veneer Cutting)	D
312—Castle Ice Mach. Co. (Ice; Refrigerating)	X
313—Chandler & Taylor Co. (Saw Mill)	AA
314—Commercial Electric Co. (Dynamo; Electric)	A
315—Electro Therapeutic Mfg. Co. (Static Electric)	X
316—Embossing Art Die & Mach. Co. (Embossing)	D
317—Hall, Albert B. (Tablet)	X
318—Hensley, Jas. W. (Brick Press)	D
319—Hetherington & Berner (Asphalt)	A
320—Nordyke & Marmon Co. (Distillery; Grain Cleaning; Buckwheat; Flour; Oat Meal; Rice Mill; Packing; Brush; Scouring; Polishing; Separating Combined; Smut)	AAA
321—Over, Ewald (Road Building)	C
322—Poindexter Mfg. Co. (Corn Splitting)	X
323—Potter Mfg. Co., 2018 Northwestern Av. (Elevating; Conveying; Sewer; Trench Excavating)	B
324—Potts & Co., C. & A., 814 W. Washn. (Brick; Supplies)	B
325—Rockwood Mfg. Co. (Brick; Flower Pot)	A
326—Sinkers-Davis Co., 230 So. Missouri (Edging Saw; Lumber Mill)	B
327—Union Embossing Mach. Co. (Automatic Embossing; Wood Embossing; Drop Carving)	B
IND.—Kendallville	
328—Flint & Walling Mfg. Co. (Well Sinking)	AA
IND.—Kokomo	
329—Kokomo Fence Mach. Co. (Woven Wire; Wire Fence)	AAA
IND.—La Porte	
330—Rumely Co., M. (Threshing)	AAA
IND.—Mishawaka	
331—Dodge Mfg. Co. (Cement; Grain Elevator)	AAA
IND.—Muncie	
332—Kitselman Bros. (Woven Wire; Woven Wire Fence)	A
IND.—New Albany	
333—New Albany Mfg. Co. (Glass Works; Quarry; Stone Cutting; Stone Gang Sawing; Stone Planing)	C
IND.—Princeton	
334—Maddocks & Herschell (Automatic Hand; Power Flue Welding)	H
IND.—Richmond	
335—Elliott & Reid Co. (Fence)	D
336—Eureka Fence Mfg. Co. (Fence)	F
337—Gaar, Scott & Co. (Picket; Threshing)	AAAA
338—Henley, M. C. (Metal Boring; General)	A
339—Richmond City Mill Wks. (Flour Dressing; Flour Mill)	B
340—Richmond Mach. Wks. (Brick; Tile; Supplies; Saw Mill)	D
341—Robinson & Co. (Threshing)	AA
IND.—Rushville	
342—Madden & Co. (Brick; Tile)	D
IND.—South Bend	
343—Studebaker Bros. Mfg. Co. (Street Sweeping)	AAAA

# APPENDIX—Machinery (344-378)

IND.—Terre Haute	
344—Prox & Brinkham Mfg. Co. (Coal Mining)....	A
IND.—Waveland	
345—Johnson Acetylene Gas Co. (Acetylene Gas)..	H
IND.—Winchester	
346—Winchester Mach. Wks. (D Handle) .....	X
IOWA—Atlantic	
347—Diamond Lighting & Heating Co. (Acetylene Gas) .....	F
IOWA—Burlington	
348—Murray Iron Wks. (Brewers'; Fertilizer Factory; Refrigerating; Ice; Portable Ice; Saw Mill).....	A
IOWA—Cresco	
349—Cavard, R. S. (Grubbing) .....	E
IOWA—Davenport	
350—Brammer Mfg. Co., H. F. (Clothes Washing)..	A
351—Davenport Fdry. & Mach. Co. (Macaroni; Saw Mill; Sugar; Rolling Mill; Brewery).....	B
IOWA—Des Moines	
352—Des Moines Mfg. & Supply Co. (Brick; Supplies; Elevating; Conveying) .....	A
353—Dodd & Struthers (Static Electric) .....	A
354—Eagle Iron Works (Coal Mining) .....	B
355—Globe Machy. & Supply Co., 418 W. Court Av. (Brick; Supplies) .....	B
IOWA—Dubuque	
356—Adams Co. (Automatic; Multiple Sand Molding)	A
357—Davis, Geo. E. (Key Seating; Wood Sawing; Splitting; Power Hammer; Shingle Sawing; Punching; Shearing) .....	E

*Our entire time, energy and money are devoted to the manufacture of special machines—no job work. A Shingle Sawing Machine; capacity 50,000 per day, also machines of less capacity. A Blacksmith Trip Hammer, 25-lb. and 50-lb. sizes; the heavier one strikes a 300-lb. blow, fast or slow, or as light as may be required, at any speed. A Hand Power Punch for metal. A \$10.00 shear; cuts iron or soft steel  $\frac{3}{8}$ -in. thick. A \$100.00 shear; cuts ONE INCH thick. A Key Seating Machine for pulleys, gears, sprockets, balance wheels, etc., price \$100.00*

IOWA—Kensett	
358—Locke Mfg. Co., C. E. (Adding).....	B
IOWA—Keokuk	
359—Scott Mfg. Co. (Brick Press).....	D
IOWA—Lone Tree	
360—Monarch Grubber Mfg. Co. (Harvesting).....	B
IOWA—Marshalltown	
361—Fisher Governor Co. (Cross Head; Pin Turning; Tapping; Gas; Water Mains) .....	D
362—Lennox Machine Co. (Tapping for Tapping Water Mains under pressure) .....	B
IOWA—Mason City	
363—Mason City Bedding Co. (Mattress Stuffing)..	C
IOWA—Muscatine	
364—Barry Mfg. Co. (Pearl Button) .....	A
IOWA—Ottumwa	
365—Ottumwa Iron Wks. (Coal; Quarry; Stone Hoisting; Steam Power Hoisting).....	AA
IOWA—Prairie City	
366—Jenks & Son (Acetylene Gas).....	D
IOWA—Waterloo	
367—Eppworth Gas Light & Heating Co. (Acetylene Gas) .....	F
368—Kelley & Taneyhill Co. (Prospecting).....	C
369—Swem Gas Machine Co. (Gasoline).....	D
KANS.—Enterprise	
370—Ehram & Sons Mach. Co., J. B. (Cement)....	C
KANS.—Fort Scott	
371—Fort Scott Fdry. & Mach. Co. (Artesian Well; Cane Cutting; Shredding; Coal Washing; Friction Hoisting; Horse Power Hoisting; Oil Well; Stone Planing; Well Sinking; Salt Well) .....	H
KANS.—Kansas City	
372—Riverside Iron Wks. (Can Stuffing; Can Sealing; Can Capping; Beef; Pork Slicing; Hog Scraping; Ice; Refrigerating) .....	A
KANS.—Leavenworth	
373—Fisher Mach. Wks. Co. (Portable Cylinder for Re-Boring) .....	C
374—Great Western Mfg. Co. (Cement; Grain Elevator; Buckwheat; Flour Mill; Wine Pumping)..	AA
KANS.—Manhattan	
375—Blue Valley Mfg. Co. (Well Sinking).....	F
KY.—Bowling Green	
376—Bowling Green Machine Co. (Axe Handle)....	C
KY.—Covington	
377—Hollingsworth, W. T. (Brick; Supplies).....	F
KY.—Louisville	
378—Brennan & Co. (Drilling; Corn Shelling)..	

# APPENDIX—Machinery (379-424)

- 379—Daylight Acetylene Gas Co. (Acetylene Gas)...F  
380—Drummond Mfg. Co. (Moulding).....A  
381—Howe Mfg. Co. (Tin Foil Bottle Capping).....A  
382—Kentucky Gear & Mach. Co. (Gear Cutting)...E  
383—Vogt Machine Co., Henry, 10th & Ormsby Av.  
(Ice; Refrigerating) .....AA  
KY.—Newport  
384—Crawley Book Machy. Co. (Bookbinders').....B  
LA.—New Orleans  
385—Coleman, H. Dudley (Fumigating, &c.).....X  
386—Kracke & Flanders, 640 Gravier (Acetylene Gas).....B  
387—Whitney Iron Wks. Co. (Rice Milling) .....A  
MAINE—Auburn  
388—Victoria Mfg. Co. (Acetylene Gas) .....D  
MAINE—Bangor  
389—Bangor Fdry. & Mach. Co. (Clapboard).....X  
390—Union Iron Wks. (Clapboard; Coal; Ore Hand-  
ling; Hoisting; Loading; Unloading; Conveying;  
Cutting-Off; Wood; Edging Saw) .....A  
MAINE—Belfast  
391—Duplex Roller Bushing Co. (Barrel; Keg; Stave;  
Heading) .....E  
MAINE—Brunswick  
392—Brunswick Acetylene Gas Co. (Acetylene Gas).D  
MAINE—Dexter  
393—Fay & Scott (Milling; Shaping) .....C  
MAINE—Lewiston  
395—Goss Co., A. L. & E. F. (Acetylene Gas).....C  
MAINE—Old Town  
396—Chapman & Son Co., T. M. (Barrel; Keg; Stave;  
Heading; also Box Edging).....D  
MAINE—Portland  
397—Conant Co., R. O. (Canning) .....F  
398—Lang Co., E. M. (Can Makers'; Canning; Cap-  
ping Irons; Soldering; Dies; Presses; Forming;  
Bending) .....C  
399—Maine Electric Co. (Electric Coal; Ore Handling)  
D  
400—Southorth Bros. (Round Cornering).....B  
401—Stickney Machine Co. (Canning; Cond. Milk  
Can Filling) .....E  
MAINE—South Paris  
402—Paris Mfg. Co. (Clothes Washing).....A  
MAINE—Waterville  
403—Webber & Philbrick (Wood Barking).....B  
MD.—Baltimore  
404—Adt, John B. (Tobacco Cutting; Tobacco Drying;  
Tobacco Packing; Tobacco Vibrating).....A  
405—Bartlett, Hayward & Co. (Beet Washing; Slicing)  
B  
407—Brown, F. S. & G. L., 20 E. Fort Av. (Sheet  
Metal Workers'; also Tools) .....E  
408—Burt Machine Co., 226 N. Holliday (Labeling).B  
409—Crown Cork & Seal Co., 1511 Guilford Av. (Bot-  
tlers' Stoppers, &c.) .....AAA  
410—Detrick & Harvey Mach. Co., 508 E. Preston  
(Bolt; Nut; Bolt Pointing; Bolt Threading; Hori-  
zontal Boring; Drilling; Countersinking; Drilling;  
Nut Facing; Automatic Nut Tapping; also Multiple  
Spindle Nut Tapping; Pipe Cutting; Threading;  
Plate Scarfing; Saw Filing; Slitting; Axle Bearing  
Boring; Car Box Boring; Radial Countersinking;  
Saw Setting; Filing) .....AA  
411—Ellicott Machine Co. (Dredging; Hydraulic)....A  
412—Hooper, F. X. (Wood Printing).....X  
413—Kemp Mfg. Co., C. M., 1501 Guilford Av. (Gas;  
Acetylene Gas) .....B  
414—Lyon, Conklin & Co., 13 Balderston (Roofing).B  
415—Murray & Son, James, 102 E. York (Clay Temp-  
ering) .....B  
416—Poole Engineering & Machine Co., Woodbury  
Station (Brush; Stone Hoisting; Handling; Grain  
Elevator; Rolling Mill; Cable Railroad; Coffee; Fer-  
tilizer Factory; Flour Mill; Hydraulic Dredging;  
Rubber; Stone; Marble Working; Tin Plate; White  
Lead Works; Cloth Measuring; Tripping).....AA  
417—Rosenberg Co., A. (Air Compressing; Exhausting)  
H  
418—Schultz & Co., A. (Wire Solder) .....A  
419—Sinclair-Scott Co., cor. Wells & Patapsco (Cane  
Seat Chair; Canning; Fruit Paring; Pineapple Par-  
ing; Coring; Sizing Combined; Peach Pitting)....E  
420—Sloan & Co., Frank B. (Pulley Mortising)....D  
421—Starr & Co., B. F., 455 North (Cement; Buhr  
Stones) .....D  
422—Tucker Mfg. Co. (Magnet) .....X  
VA.—Arlington Heights  
423—Abramson Machine Co. (Bleaching; Calico Print-  
ing; Dyeing; Finishing).....D  
WASH.—Ethol  
424—Gay & Ward (Gear Cutting).....A

# APPENDIX—Machinery (425-467)

- 425—Gerry & Son, Geo. (Cloth Measuring; Napping) X  
**MASS.—Barre**  
 426—Allen & Co., G. (Clothes Washing).....D  
**MASS.—Beverly**  
 427—Naumkeag Buffing Mach. Assn. (Boot; Shoe)..B  
**MASS.—Boston**  
 428—Agnew Auto-Mailing Mach. Co., 156 Pearl (Ad-  
 dressing; Mailing) .....B  
 429—Amer. Moistening Co., Equitable Bldg. (Dampen-  
 ing) .....B  
 430—Amer. Tool & Mach. Co. (Leather Wkg.; Split-  
 ting; Belt Knife Leather Splitting; Valve Seat-  
 Milling; Centrifugal) .....AA  
 431—Ames Plow Co. (Coopers').....AA  
 432—Austin & Eddy, 177 Broad (Dado; Molding Sand-  
 er; Pulley Mortising) .....C  
 434—Blake Mfg. Co., Geo. F. (Br. International  
 Steam Pump Co., N. Y. City) (Water Works Pump-  
 ing) .....AAAA  
 435—Blue Seal Supply Co., 12 Portland (Bottlers';  
 Supplies) .....C  
 436—Boston Bottle Wiring & Labeling Co., 404 Atlan-  
 tic Av. (Bottle Labeling) .....E  
 437—Bottlers' Machinery Co. (Bottle Labeling)....D  
 438—Brooks & Co., E. D. (Leather Splitting).....A  
 439—Boston Bottle Wiring & Labeling Co., Franklin  
 (Bottlers'; Supplies) .....E  
 440—Bradley Pulverizer Co., 92 State (Cement)....X  
 441—Brooks & Co., E. D. (Leather Working; Split-  
 ting) .....A  
 442—Buzzel & Co., Jno. G. (Boot; Shoe) .....E  
 443—Campbell-Bosworth Machy. Co. (Boot; Shoe)..A  
 444—Carson Trench Machine Co. (Hoisting; Convey-  
 ing for Trench Work; Sewer; Trench Excavating) B  
 445—Champion Buttonhole Machine Co., 10 High  
 (Buttonhole) .....X

*Our Buttonhole Machine is fitly named the "Cham-  
 pion." It far outclasses every other Machine ever  
 designed for this work.*

*The Champion makes a perfect Double-faced, Double-  
 purl Buttonhole with Interlocking Stitch and Differ-  
 ent Color on either side if desired, which looks bet-  
 ter and wears longer than hand-made holes.*

*It is adapted to all classes of work, in woolen or  
 cotton goods.*

*It makes a hole in any size from an eyelet to an  
 inch and five-eighths.*

*It is adapted to steam, electricity or foot power.*

*Price \$200 cash, without rental or royalty, F. O. B.,  
 Boston.*

- 446—Chandler & Farquhar Co., 36 Federal (Wire  
 Straightening; Cutting) .....B  
 447—Clark & Mills Electric Co., 543 Boylston (Abrad-  
 ing for Testing Road Making Materials; Cement  
 Testing; also for Testing Stone; Road Materials;  
 Automatic Sifting; for Separating Dust from Broken  
 Stone; Sifting) .....D  
 448—Coffin Valve Co. (Drilling; Pipe; Facing Pipe) D  
 449—Duplexis Shoe Machy. Co. (Boot; Shoe Pegging) A  
 450—Edson Mfg. Co., 257 Atlantic Av. (Bottlers';  
 Supplies; Automatic Bottle Filling; Bottling; Cork-  
 ing; Filling) .....B  
 451—Elliott Add. Mach. Co., 98 Purchase (Address-  
 ing) .....C  
 452—Elliott Co., 100 Purchase (Card Index Mailing;  
 Addressing) .....C  
 453—Empire Laundry Machinery Co. Clothes Wash-  
 ing; (Bleaching; Starching) .....C  
 454—Faneuil Watch Tool Co. (Toolmakers'; Bench  
 Hand Milling) .....B  
 456—Fifield Shoe Machy. Co. (Sewing; Boot; Shoe;  
 Heel; Edge Trimming; Rolling; Sandpaper; Shoe  
 Moulding) .....D  
 457—Firth Co., Wm., 150 Devonshire (Yarn Testing) B  
 458—Globe Buffer Co. (Boot; Shoe; Buffing)....AA  
 459—Ham & Co., L. M. (Sawing) .....B  
 460—Hansen, H. C. (Curving. &c.) .....B  
 461—Hartford Bros. (Boot; Shoe Pattern) .....E  
 462—Harvey, H. H. (Pointing; Stone Carvers')....D  
 463—Hersey Mfg. Co. (Friction Hoisting; Soap; Sugar  
 Malting) .....AAA  
 464—Hill, Clarke & Co., 156 Oliver (Key-Way; Stone  
 Planing) .....A  
 465—Holmes Machine Co., Chas., 290 Marginal (Belt  
 Stretching; Leather Scouring; Curriers').....D  
 467—Knott Apparatus Co., L. E., 12 Ashburton Pl.

# APPENDIX—Machinery (468-513)

(Static Electric)	C
468—Lapointe Machine & Tool Co., 36 Hartford (Key-Seating)	D
469—Lufkin, Jno. W., 38 Chardon (Buttonhole; Ironing)	A
470—Lufkin, R. H. (Boot; Shoe; Vamp Folding)	C
471—Marston & Co., J. M. (Foot Power; Rip Saw; Cut-Off Saw; Circular Saw Hand Power; Hand Cutting-Off Wood)	D
472—Morley Button Sewing Mach. Co. 68 Essex (Button Sewing; Sewing; Automatic Thread Cut-Off for Bars; Tacks in Shoes; Clothing)	A
473—Nutter-Barnes & Co. (Cold Metal Cutting-Off; Metal Sawing)	D
474—Peerless Machy. Co. (Boot; Shoe)	C
475—Puritan Mfg. Co. (Harness; Boot; Shoe; Sewing; Wax Thread; Stitching Horse Brush)	D
476—Reece Button Hole Mach. Co. (Boot; Shoe; Buttonhole)	AAA
477—Riley & Co., C. E., 65 Franklin (Balling; Breaking Hard Water; Cotton Waste; Dyeing Skein; Engine Cleaning Waste; Wool Scouring; Wool Wil- lowing)	A
478—Ringset Co., 8 Waltham (Ring-making; Jewelers')	X
479—Seelye Mfg. Co., 118 South (Boot; Shoe; Sand Papering; Cloth Cutting; Leather Splitting; Rolling; Shoe Moulding; Shoe Splitting; Stripping)	C
480—Shawmut Machy. Co. (Boot; Shoe)	E
481—Sherburne & Co. (Valve Setting; Locomotive)	A
482—Spaulding Print Paper Co. (Continuous Blue Print)	E
483—Spaulding Sons & Co. (Boot; Shoe)	B
484—Standard Shoe Tying Machine Co. (Boot; Shoe Tying)	E
485—Standard Rivet Co. (Spot Setting; Riveting; Stapling)	A
486—Steam Heated Horn Co. (Boot; Shoe)	E
487—Stanley Mfg. Co. (Shoe Sewing; Leather Splitting; Seam Rubbing)	B
488—Steel Cable Engineering Co., 92 State (Coal; Ore; Ash Handling; Elevating; Conveying)	X
489—Stoddard, Haserick, Richards & Co., 152 Congress (Carpet; Tenting; Wool; Worsted Finishing)	B
490—Sturtevant Mill Co., B. F., Harrison Sq. (Cement; Air Moving; Crushing; Grinding; Screening)	AA
491—Swett & Lewis Co., 657 Washn. (Static Electric)	E
492—Tubular Rivet & Stud Co. (Hook Setting Rivet; Tubular)	AAA
493—Turner Tannery Machy. Co. (Tanners')	C
494—Union Button Sewing Mach. Co., 164 High (Sewing; Strapping)	E
495—Union Edge Setter Co. (Boot; Shoe)	D
496—United Shoe Machy. Co. (Boot; Shoe; Seam Rubbing; Waukenphast Imitation)	AAAA
497—Walworth Mfg. Co., 132 Federal (Gas; Pipe Cutting; Threading; Tapping; Gas; Water Mains)	AAAA
498—Ward Sons, Edgar T., 23 Purchase (Sand Blast)	B
499—Whitcher & Co., Frank W. (Leather Stitching)	A
500—Woods Machine Co., S. A., South Boston Dist. (Boxmakers'; Clapboard; Cutting-Off Wood; Wood Boring; Car Builders'; Rip Saw; Wood Flooring; Sawing; Planing Mill; Band Sawing; Automatic Railway Cut-Off; Iron Sawing; Wood Moulding; Hollow Chisel Wood Mortising; Circular Re-Sawing; Cross-Cut Saw; Cut-Off Saw; Tenoning)	AA
<b>MASS.—Bridgewater</b>	
501—Miller, H. J. (Wire Nail)	D
502—Miller's Sons, H. J. (Nail Barbing; Wire Nail Barbing)	D
503—Perkins Co., Henry (Die Making)	B
<b>MASS.—Brockton</b>	
504—Burr & Smith (Boot; Shoe)	F
505—Kimball Bros. & Sprague (Nail Mill; Wire Nail; Slitting; Shoe Box Toe; Tack; Last Turning)	B
506—Miller, O. A. (Treeing)	X
507—Sweetser, Wm. A. (Nail Mill; Wire Nail; Staple; Shoe Shank; Tack)	X
<b>MASS.—Cambridgeport</b>	
508—Barbour-Stockwell Co. (Confectioners')	A
<b>MASS.—Cambridge</b>	
509—Rawson & Morrison Mfg. Co. (Coal; Ore Handling; Elevating; Conveying)	B
<b>MASS.—Charlestown</b>	
510—Carson Trench Machine Co., 16 Dorrance (Elevating; Conveying)	C
<b>MASS.—Chelsea</b>	
511—Hecla Compressed Gas Co. (Carbonating)	E
512—Lovewell & Co., S. K. (Cordage)	D
513—Lovewell-Herici Co. (Flooring)	X

# APPENDIX—Machinery (514-553)

<i>MASS.—Chicopee</i>	
514—Ames Foundries (Hand Milling) .....	E
<i>MASS.—Chicopee Falls</i>	
515—Belcher & Taylor Agrl. Tool Co. (Tobacco Hoeing) .....	A
516—Lamb Knitting Machine Co. (Knitting Cardigan Jacket; Hosiery Knitting; Seaming) .....	B
<i>MASS.—East Boston</i>	
517—Lockwood Mfg. Co. (Inc.), 61 Sumner (Cordage; Binder wine; Rope) .....	H
<i>MASS.—East Bridgewater</i>	
518—Carver Cotton Gin Co. (Oil Mill) .....	A
<i>MASS.—Fall River</i>	
519—Kilburn, Lincoln & Co. (Inc.) (Cloth Calendaring) .....	A
<i>MASS.—Fiskdale</i>	
520—Snell Mfg. Co. (Vertical Boring) .....	B
<i>MASS.—Fitchburg</i>	
521—Brown Bag Filling Mach. Co. (Bag Filling) ..	E
522—Cowdrey Machine Wks., C. H. (Rod; Pin; Dowel; Wood Boring) .....	D
523—Fitchburg Machine Wks. (Boiler Shop; Metal Boring; Horizontal Metal Boring; Countersinking; Drilling; Metal Cutting-Off; Horizontal Boring; Drilling; Shaft, &c., Straightening; Shaping; Wood Boring; Railroad Shop) .....	B
524—Putnam Machine Co. (Bolt Heading; Horizontal Boring; Drilling; Car Wheel Boring; Cold Metal Cutting-Off; Involute; Epicycloidal Gear Cutting; Metal Boring; Horizontal Metal Boring; Milling; Nut Tapping; Shaft Straightening; Shafting; Slotting; Lead Rolling; Link Drilling; Slotting; Paring)....	A
525—Union Machine Co. (Cylinder) .....	B
<i>MASS.—Florence</i>	
526—Norwood Engineering Co. (Paper Finishing; Cutlery; Basket; Breaker; Friction; Web, &c.).....	B
<i>MASS.—Gardner</i>	
527—Bancroft, Frank H. (Wood Bending).....	E
<i>MASS.—Greenfield</i>	
528—Automatic Machine Co. (Automatic Screw)....	C
529—Horton, James A. (Mailing) .....	E
530—Wells Bros. Co. (Bolt; Nut; Grinding; Bolt Heading; Bolt Threading; Screw Cutting) .....	A
531—Wiley & Russell Mfg. Co. (Bolt; Nut; Bending; Bolt Heading for Shoeing; Bolt Threading; Drilling; Screw Cutting; Horse Shoe) .....	AA
<i>MASS.—Harvard</i>	
532—Hildreth Bros. (Wood Sawing; Splitting).....	B
<i>MASS.—Haverhill</i>	
533—Allen Mach. Co. (Boot; Shoe) .....	E
534—Bussfield, Jas. (Boot; Shoe) .....	E
<i>MASS.—Holyoke</i>	
535—Deane Steam Pump Co. (Br. International Steam Pump Co., N. Y. City) (Water Works; Wine Pumping) .....	AAAA
536—Holyoke Machine Co. (Bleaching; Blacking; Dyeing; Breaker; Friction; Web, &c., Calendaring; Cloth Finishing; Wood Barking; Wool; Worsted Finishing; Cotton Finishing; Cylinder) .....	AA
537—Koegel & Son, Chas. (Coating Mill) .....	E
538—Perkins & Son, B. F. (Power Testing).....	A
<i>MASS.—Hopedale</i>	
539—Draper & Co. (Cotton) .....	AAAA
<i>MASS.—Hyde Park</i>	
540—Becker-Brainard Milling Machine Co. (Automatic Gear Cutting; Horizontal; Plain; Vertical; Universal Milling) .....	AA
541—Robinson & Co., Jno. T. (Bookbinders'; Card Cutting; Paper Box) .....	B
<i>MASS.—Lawrence</i>	
542—Horne & Sons Co., J. H. (Paper Making Cylinder) .....	A
<i>MASS.—Leeds</i>	
543—Northampton Emery Wheel Co. (Belt Strapping; Buffing; Polishing; Lapping) .....	A
<i>MASS.—Leominster</i>	
544—Cook & Co., F. H. (Comb) .....	E
<i>MASS.—Lowell</i>	
545—Carey, W. W. (Variety Molding; Wood Boring) ..	B
546—Entwistle Co., T. C. (Balling; Card Grinding; Cotton Mill) .....	B
547—Kitson Machine Co. (Blacking; Cotton; Wool Washing) .....	AAAA
548—Lowell Machine Co. (Cotton) .....	AAAA
549—Lowell Machine Shop (Card Cutting; Card Grinding; Cloth Folding; Cloth Stamping; Slubbing; Cloth Calendaring; Threshing) .....	AAAA
550—Turner, Jno. D. (Rail Bending; Straightening) ..	D
<i>MASS.—Lynn</i>	
551—Beaudry Edge Setting & Steel Burnishing Mach. Co. (Boot; Shoe).....	E
552—Cole & Co., G. A. (Boot; Shoe) .....	F
553—Embree & Co., W. F. (Boot; Shoe) .....	E

# APPENDIX—Machinery (554-601)

554—Emerson & Co., Geo. W. (Boot; Shoe).....	D
555—Glazier & Briggs (Box) .....	D
556—Hemingway, Jno. (Boxmakers' Sizing, &c., Wood Sawing; Splitting) .....	D
557—Hemingway Machy. Co., A. C. (Leather Work- ing; Unhairing Machines) .....	D
558—Hemingway Machine Co. (Burring).....	D
559—Hoyt Bros. & Co. (Bottle Washers, &c.).....	A
560—Phinney, W. B. (Acetylene Gas) .....	C
561—Stewart Bros. (Boot; Shoe Counter Moulding).....	E
562—Tripp Giant Leveler Co. (Boot; Shoe Leveling).....	C
563—Young, W. J. (Boot; Shoe Counter Moulding).....	E
<i>MASS.—Malden</i>	
564—Greene, F. P. (Brick Press) .....	E
<i>MASS.—Medford</i>	
565—Wellman Sole Cutting Machine Co. (Boot; Shoe Rubber; Leather Staking; Wooden Last Trimming).....	C
<i>MASS.—Miller's Falls</i>	
566—Miller's Falls Co. (Wood Boring) .....	AA
<i>MASS.—Neponset</i>	
567—Coffin Valve Co. (Hydraulic) .....	B
<i>MASS.—New Bedford</i>	
568—New England Acetylene Mfg. Co. (Acetylene Gas) .....	X
569—Tripp, Frank S. (Boot; Shoe) .....	F
<i>MASS.—Newton Upper Falls</i>	
570—Saco & Pettee Machine Shops (Cotton; Slubbing Twisting; Roving; Yarn) .....	AAA
<i>MASS.—North Adams</i>	
571—Hunter Machine Co., James (Crabbing; Steaming; Wool Scouring) .....	A
<i>MASS.—No. Andover Depot</i>	
572—Davis & Furber Machine Co. (Woolen) .....	AA
<i>MASS.—Northampton</i>	
573—Herick, Chas. E. (Gear Cutting).....	D
<i>MASS.—North Andover</i>	
574—Davis & Furber Machine Co. (Napping).....	AA
<i>MASS.—Orange</i>	
575—Chase Turbine Mfg. Co. (Box; Drag Saw; Cut- Off Saw; Shingle) .....	A
576—Hunt Machine Co., Rodney (Woolen; Soaping; Dyeing; Bleaching) .....	A
577—Leavitt Machine Co. (Valve Re-Seating) .....	D
578—New Home Sewing Machine Co. (Sewing; Sew- ing Fancy Stitch; Sewing Hand; Sewing Lock Stitch)	AAAA
<i>MASS.—Peabody</i>	
579—Boyle Co., John (Leather Working).....	F
580—Boyle Machine Co., Jno. (Glue Spreading).....	D
581—Vaughn Machine Co. (Tanners').....	A
<i>MASS.—Salem</i>	
582—Broadley, J. S. (Tanners' Pebble Roll Cutter).....	E
583—Dinsmore Mfg. Co. (Sewing) .....	E
<i>MASS.—Somerville</i>	
584—Birch Bros. (Bleaching; Cloth Finishing; Crab- bing; Dampening; Mercerizing; Napping; Sewing; Soaping; Steaming; Tenting) .....	C
<i>MASS.—South Boston</i>	
585—Hersey Mfg. Co. (Hoisting; Brewers'; Malt House; Soap; Sugar) .....	AA
<i>MASS.—Southbridge</i>	
586—Amer. Optical Co. (Optical) .....	AAAA
<i>MASS.—South Sudbury</i>	
587—Hurlbut, Rogers Mach. Co. (Centering; Cold Metal Cutting-Off; Cutting-Off Wood) .....	C
588—Baush Machine Tool Co. (Countersinking; Drill- ing; Drilling; Tapping Combined).....	A
<i>MASS.—Springfield</i>	
589—Bullock Mfg. Co. (Drilling Jewelers'; Moulding; Shaving) .....	A
590—Ford, H., 964 Main (Brick Press; Supplies)....	D
591—Hopkins Son Machine Wks., 123 Taylor (Envel- ope) .....	F
592—Piper, E. J. (Ruling) .....	D
593—Russell, Jno. W. (Button Sewing) .....	D
594—Smith Mfg. Co., R. H., 293 Main (Automatic Numbering) .....	C
595—Waltham Watch Tool Co. (Milling; Watch Case) B	
<i>MASS.—Taunton</i>	
596—Mason Machine Wks. (Cotton; Card Cutting; Card Grinding; Cotton Lap) .....	AA
597—Strange's Machine Wks. (Barrel; Keg; Stave; Hoisting; Boxmakers') .....	E
598—Taunton Locomotive Mfg. Co. (Street Railway Sweeping) .....	A
<i>MASS.—Walpole</i>	
599—Fales, L. F. (Sewing) .....	E
<i>MASS.—Waltham</i>	
600—Davis & Farnum Mfg. Co. (Inc.) (Hydraulic).....	B
<i>MASS.—Westboro</i>	
601—Macker & Co., Geo. A. (Leather Splitting for Bag; Lint Case, &c., Mfrs.) .....	X



# APPENDIX—Machinery (602-641)

- MASS.—Westford*  
602—Sargents' Sons, C. G. (Burring; Wool Washing) A
- MASS.—Winchendon*  
603—Goodspeed Machine Co. (Tub; Pail; Chair; Spool; Bobbin; Barrel; Churn, &c., Stave Sawing; Keg; Rod; Pin; Dowel; Heading; Coopers').....E  
604—Whitney & Son, Baxter D. (Stave Sawing; Chair; Coopers') .....AA
- MASS.—Winchester*  
605—Whitney Machine Co. (Leather Working; Un-hairing; Fleshing) .....D
- MASS.—Whitinsville*  
606—Whitin Machine Wks. (Slubbing; Cotton).AAAA
- MASS.—Williamstown*  
607—Amer. Napping Machine Co. (Napping).....X
- MASS.—Woburn*  
608—Freeman & Co., J. T. (Leather Glazing; Leather Polishing; Leather Whitening; Buffing; Leather Staking) .....D  
609—Smith & Wallace (Electric Street Railway Sweep- ing) .....D
- MASS.—Worcester*  
610—Amer. Card Clothing Co. (Woolen) .....AAA  
611—Barr, H. G. (Automatic Pin for Straight; Shoulder Pins) .....D  
612—Blaisdell & Co., P. (Horizontal Boring; Drilling; Gear Cutting; Metal Boring; Horizontal Metal Bor- ing) .....A  
613—Boynton & Plummer (Bolt Heading; Upright; Horizontal Hand Power Self Feeding Drilling; Hand; Power Shaping) .....B  
614—Burlingame Co., A. (Wood Sawing; Splitting).....D  
615—Cleveland Machine Wks. (Woolen; Whipping; Banding; Card Cutting; Chinchilla; Cloth Brushing; Cloth Finishing; Cloth Rolling; Cloth Winding; Worm, &c., Milling; Napping; Tentering; Wool; Worsted Finishing; Wool Willowing; Cotton Finishing; Giggling) .....A  
616—Coes & Co., Loring (Paper Making).....A  
617—Crompton & Knowles Loom Wks. (Carpet; Silk; Carpet Finishing; Key Seating; Repeating; Wire Weaving) .....AAAA  
618—Cunningham, E. E. (Brazing; Band Saw; Saw Filing; Slitting) .....H  
619—Curtis & Marble Machine Co. (Carpet; Woolen; Breaking Hard Waste; Burring; Carpet Finishing; Carpet Rolling; Cloth Brushing; Cloth Finishing; Cloth Inspecting; Cloth Measuring; Cloth Rolling; Cloth Winding; Folding; Measuring; Napping; Sand- ing; Railroad Sewing; Textile Shearing; Singeing; Steaming; Wool; Worsted Finishing; Wool Scouring; Cloth Calendering; Cotton Finishing; Giggling).....A  
620—Draper Machine Tool Co. (Cotton; Boring; Drill- ing; Horizontal Boring; Drilling; Metal Boring; Hor- izontal Metal Boring; Screw) .....B  
621—Economic Machy. Co. (Bottle Labeling) .....X  
622—Elliott & Hall (Cloth Folding; Cloth Measuring; Folding; Measuring; Silk Folding; Measuring)....C  
623—Gessner, David (Cloth Finishing; Napping).....D  
624—Heald Machine Co. (Crimping; Bending; Dado; Sash Trimmer; Grinding) .....B  
625—Hobbs Mfg. Co. (Paper Box) .....A  
626—Jacques & Son, Jno. (Card Cutting).....D  
627—Johnson & Prentice (Metal Cutting-Off).....D  
628—Kidder, R. E. (Hand Shearing; Wood Sawing; Splitting; Wood Working) .....E  
629—Luther & Co., B. G., or Forster (Wood Boxmakers' Double Cutting-Off; Wood) .....E  
630—Morgan Construction Co. (Galvanizing; Gas Plant; Rod Mill; Rolling Mill; Steel; Wire Testing; Wire Pointing) .....A  
631—Pond Machine & Fdry. Co., L. W. (Metal Planer) X
- 632—Prentice Bros. Co. (Car Wheel Boring; Cylinder Boring; Metal Boring; Vertical Metal Boring; Tap- ping) .....A  
633—Reed Co. Francis (Hand; Power Drilling).....D  
634—Rice, Barton & Fales Mach. & Iron Co. (Calen- dering; Cloth Printing; Paper) .....AA  
635—Roy & Son, B. S. (Card Grinding).....B  
636—Union Machine Co. (Glossing).....X  
637—Whitcomb Mfg. Co. (Rolling Mill; Rail Punching; Metal Planing) .....B  
638—Windle, J. E. (Cloth Finishing; Cloth Folding; Cloth Measuring) .....E
- MICH.—Adrian*  
639—Adrian Brick & Tile Mach. Co. (Brick; Supplies) C
- 640—Kells Fdry. & Mach. Co. (Brick; Tile Auger).....D
- MICH.—Alpena*  
641—Kline, Lewis T. (Pail Handle) .....D

# APPENDIX—Machinery (642-685)

<i>MICH.—Battle Creek</i>	
642—Advance Thresher Co. (Bagging; Threshing)...	AAAA
643—Amer. Steam Pump Co. (Circular Sawing Wood; Dovetailing; Rosette; Corner Block; Wood Carving; Wood Moulding) .....	AAA
644—Nichols & Shepard Co. (Threshing) .....	AAAA
<i>MICH.—Bay City</i>	
645—Garland Co., M. (Self Feeding Band Sawing; Rip Saw; Lath; Barrel; Keg; Stave; Heading; Box Board; Coopers') .....	C
646—Industrial Wks. (Rail Bending; Straightening; Hydraulic; Rail Cutting Hydraulic; Iron Shop Sawing; Hydraulic) .....	AA
<i>MICH.—Blissfield</i>	
647—Davenport, Harry (Metal Cutting-Off).....	F
<i>MICH.—Detroit</i>	
648—Amer. Blower Co. (Brick Dryers; Air Moving).....	AA
649—Anderson & Sons, W. H. (Concrete Mixing; Cement; Rail Bending; Straightening) .....	C
650—Behr Bros. (Boot; Shoe) .....	D
651—Briscoe Mfg. Co., 1427 Woodward Av. (Acetylene Gas) .....	A
652—Buhl Malleable Co., Wight & Adair (Coal; Ore; Elevating; Conveying) .....	A
653—Clayton & Lambert Mfg. Co. (Acetylene Gas) ..	B
654—Colton, Arthur, 184 Brush (Capsule; Gelatine Coating; Granulating; Gelatine Pill Coating; Autotmatic Pill Making; Cold Compressed Suppository; Tablet) .....	C
655—Detroit Auto. Sterilizer Co. (Bottle Soaking) ..	X
656—Detroit Heating & Lighting Co., 335 Wight (Gas) ..	B
657—Fulton Iron & Engine Wks. (Bending) .....	X
658—Huetteman & Cramer Co., Mack Av. & M. C. R. R. Belt Line (Brick; Supplies; Ice; Refrigerating; Brewers'; Brewers' Mashing; Barley; Malt Cleaning; Pitching) .....	B
659—Leland & Faulconer Mfg. Co., 480 Trombly Av. (Gear Cutting; Gear Generating; Wood Trimming) ..	A
660—Michels & Co., James (Barrel Hoop; Stave; Heading) .....	E
661—Star Corundum Wheel Co. (Ltd.) (Buffing; Polishing; Grinding) .....	C
662—Superior Fence Machine Co. (Fence) .....	F
<i>MICH.—Grand Haven</i>	
663—Challenge Machy. Co. (Paper Cutting) .....	A
<i>MICH.—Grand Rapids</i>	
664—Oliver Machy. Co. (Band Sawing; Bolt Heading; Bolt Threading; Bolt Upsetting; Forging; Nut Tapping; Wood Trimming; Upsetting) .....	B
665—Austin & Son (Box Board; also Heading).....	B
666—Baldwin, Tuthill & Bolton (Brazing; Band Saw; Saw Sharpening; Saw Fitting) .....	B
667—Butterworth & Lowe (Clapboard; Lath; Shingle) ..	A
668—Fox Machine Co., 127 N. Front (Vertical Hand Milling; Metal Boring; Light Milling; Mitreing; Pipe Cutting; Post Boring; Shaping; Wood Trimming) .....	A
669—Owens, Geo. F., 71 N. Market (Acetylene Gas) ..	E
670—Perkins & Co. (Shingle; Barrel; Heading; Box Board; Lumber Mill) .....	A
671—Porter, C. O. & A. D. (Wood Shaping; Spindle Carving; Wood Carving) .....	C
672—Vandeweld Mach. Wks. (Brush Mfrs.; Voting) ..	H
<i>MICH.—Hancock</i>	
673—Portage Lake Fdry. & Machy. Co. (Copper Working) .....	B
<i>MICH.—Holly</i>	
674—Cyclone Woven Wire Fence Co. (Chain Fence) ..	C
<i>MICH.—Hudson</i>	
675—Abbott Voting Machine Co. (Voting).....	B
676—Hook-Hardie Co. (Pneumatic Paint Spraying) ..	D
<i>MICH.—Jackson</i>	
677—Coltrin Mfg. Co. (Cement Moulding).....	D
678—Dennis Machine Co. (Wood Boring; Wood Surfacing) .....	D
679—Walcott & Son, Geo. D. (Gear Cutting; Geared; Crank Shaping) .....	C
<i>MICH.—Kalamazoo</i>	
680—Hill & Co., Wm. E. (Lumber Mill) .....	B
681—Kalamazoo Railway Supply Co. (Rail Bending; Straightening; Pumping) .....	B
682—Kalamazoo Tubular Well Co. (Well Sinking) ..	D
<i>MICH.—Lansing</i>	
683—Lansing Wheel Barrow Co. (Fence) .....	AAA
<i>MICH.—Manistee</i>	
684—Brady Cooperage Machy. Co. (Barrel Heading) ..	X
685—Manistee Iron Wks. (Saw Mill) .....	B

## APPENDIX—Machinery (686-730)

- MICH.—Menominee**  
 686—Henes & Keller Co. (Automatic Bottle Filling).A  
**MICH.—Monroe**  
 687—Monroe Fdry. & Furnace Co. (Acetylene Gas)..B  
**MICH.—Montague**  
 688—Montague Iron Wks. Co. (Boxmakers').....B  
**MICH.—Morenci**  
 689—Michigan Brick & Tile Mach. Co. (Brick; Sup-  
 plies; Clay Working; Brick Repress; Tile; Hollow  
 Block; Shingle) .....D  
**MICH.—Mt. Clemens**  
 690—Charbeneau & Son, J. C. (Acetylene Gas).....D  
**MICH.—Northville**  
 691—Phillips & Co., Wm. (Laundry) .....F  
**MICH.—Pontiac**  
 692—Bacon Mfg. Co. (Green Pea Picking; Cranberry;  
 Bean; Seed Sorting) .....F  
 693—Gem Wire Fence Co. (Fence) .....D  
**MICH.—Port Huron**  
 694—Draper Mfg. Co. (Milling; Valve) .....D  
 695—Port Huron Engine & Thresher Co. (Wood Saw-  
 ing; Splitting; Threshing) .....AAA  
**MICH.—Saginaw**  
 696—Bartlett & Co., A. F. (Hoop; Barrel; Keg; Stave;  
 Heading; Cement; Coal Mining) .....A  
 697—Mershon & Co., W. B. (Band Sawing).....A  
 698—Mitts & Merrill (Key-Seating; Lapping for Band  
 Saws; Key-Seat Milling; Key Making).....B  
 699—Wickes Bros. (Bag Making; Barrel; Keg; Stave;  
 Heading; Boxmakers'; Elevating; Conveying; Band  
 Sawing; also Re-Sawing; Plate Bending; Cutting-  
 Off Wood; Edging Saw; Heavy Milling; Boiler-  
 makers' Punching; Riveting; Portable Hydraulic  
 Riveting; Portable Riveting) .....AA  
**MICH.—Rochester**  
 700—Miller Bros. (Bean; Seed Sorting).....H  
**MICH.—St. Joseph**  
 701—St. Joseph Iron Wks. (Veneer Lathes Cutting;  
 Basket; Crate; Fruit Package) .....B  
 702—Saranac Machine Co. (Fruit Packing; Basket;  
 Butter Dish Stapling) .....C  
**MICH.—Tecumseh**  
 703—Brewer & Co., H. (Clay Working).....C  
**MICH.—Vicksburg**  
 704—Dentler Bagger Co. (Bag Filling) .....E  
**MINN.—Albert Lea**  
 705—Edwards, C. D. (Ditch) .....D  
**MINN.—Minneapolis**  
 706—Crown Iron Wks. Co. (Saw Sharpening).....B  
 707—Diamond Iron Wks. (Saw Mill; Grain Elevator;  
 Coal Hoisting; Handling) .....B  
 708—Howell & Co., R. R. (Artesian Well; Threshing;  
 Well Sinking) .....B  
 709—Kilgore-Peteler Co. (Ditching) .....A  
 710—Minneapolis Bedding Co. (Wire Weaving).....A  
 711—Minneapolis Electric & Construction Co. (Wire  
 Measuring) .....F  
 712—Minneapolis Threshing Mach. Co. (Threshing)  
 AAAA  
 713—Minneapolis Steel & Machy. Co. (Elevating; Con-  
 veying) .....A  
 714—Moore Carving Machine Co., 1919 Portland Av.  
 (Carriage Builders'; Sandpapering; Wood Carving;  
 Wood Rubbing) .....B  
 715—Rapid Computer Co., Andrus Bldg. (Adding)..X  
 716—Willford Mfg. Co. (Flour Mill).....C  
**MINN.—St. Cloud**  
 717—St. Cloud Iron Wks. (Granite Column Cutting).B  
**MINN.—St. Paul**  
 718—Brownson & Co., B. (Harness).....B  
 719—Dovetail Box Mach. Co. (Dovetail Box) .....D  
**MISS.—Corinth**  
 720—Adams Mach. Co., W. T. (Saw Mill; Cotton Gin;  
 Cutting-Off Wood; Wood Trimming; Shingle)..AA  
**MO.—Kansas City**  
 721—Mathews, Hugh (Portable Cylinder Boring; Bars)  
 B  
 722—Smith & Sons Mfg. Co., Lydia & Guinotte Av.  
 (Ditching) .....AA  
**MO.—St. Joseph**  
 723—Missouri Anchor Fence Co. (Fence) .....D  
 724—St. Joseph Pump & Mfg. Co. (Pumping).....B  
**MO.—St. Louis**  
 725—Barry-Wehmiller Machy. Co. Bottle Soaking;  
 Grain Elevator; Brewers'; Coffee; Malt House; Flour  
 Mill; Pasturizing) .....C  
 726—Benbow-Brammer Mfg. Co. (Clothes Washing).B  
 727—Bradley Stencil Machine Co. (Stencil Cutting)..B  
 728—Brecht Butchers' Supply Co., Gus V. (Butchers')  
 A  
 729—Cahill, Swift Co. (Air Moving).....A  
 730—Curtis & Co. Mfg. Co., 2201 Washn. Av. (Barrel;  
 Keg; Stave; Heading; Carriage Builders'; Shingle  
 Sawing; Saw Mill; Felly) .....A

## APPENDIX—Machinery (731-774)

- 731—Eagle Generator Co., 16th & Pine (Automatic Acetylene Gas) .....A  
 732—Elite Gas Generator Co., 8 N. 16th (Acetylene Gas) .....F  
 733—Ellison & Sons Mfg. Co., Wm. (Coal Mining) ..B  
 734—Fernholtz Brick Machy. Co., Boyle & Old Mass. Aves. (Brick; Supplies; Brick Press).....B  
 735—Fritsch Fdry. & Mach. Co., Arthur (Glass Works) B  
 736—Fritz, Geo. J. (Brewers'; Bottlers'; Coopers')..C  
 737—Gohlke, Theo., 12th & Locust (Double Seaming; Sheet Metal Workers'; also Tools).....X  
 738—Hall & Brown Woodworking Machy. Co (Box Board Matching; Wood Surfacing; Band Sawing; Wood Flooring; Wood moulding).....A  
 739—Ice & Cold Mach. Co., 912 N. Main (Ice; Refrigerating) .....AA  
 740—Illinois Supply & Construction Co., 311 N. 9th (Brick; Supplies) .....E  
 741—Inland Type Fdry. (Electrotypers'; Photo-Engravers'; Stereotypers') .....A  
 742—Kingsland-Hay-Cook Mfg. Co., B'way & 2nd (Elevating; Conveying) .....D  
 743—Kingsland Mfg. Co. (Threshing; Saw Mills) ..B  
 744—Landis Mach. Co. (Leather Stitching) .....AA  
 745—Leschen & Sons Rope Co., A., 920 N. 1st (Coal Mining; Ditching Railroad; Coal; Ore Handling; Elevating; Conveying) .....AAA  
 746—Maynard, J. F., 320 S. 3d (Ice; Refrigerating; for Brewers; Packers; Confectioners; Dairies)....E  
 747—Model Bottling Machy. Co. (Bottlers' Pasteurizing; Soaking) .....E  
 748—Philper, H. H., 2620 S. 13th (Ice; Refrigerating) X  
 749—Progress Press Brick & Mach. Co., S. Kings Highway & Oak Hill R. R. (Brick; Supplies; Brick Grindering; Mitering; Brick Press).....B  
 750—Ross-Keller Triple Pressure Brick Mach. Co., Fullerton Bldg. (Brick; Supplies; Dry; Semi-dry Brick Press) .....D  
 751—Ruemmel-Dawley Mfg. Co., 3900 Chouteau Av. (Ice; Refrigerating) .....AA  
 752—St. Louis Iron & Machine Co. (Water Works; Pumping; Glass Works) .....A  
 753—St. Louis Machine & Tool Co., 1114 S. 8th (Grinding; Emery Grinding; Drilling) .....X  
 754—St. Louis Well Machine & Tool Co. (Oil Well; Well Sinking) .....C  
 755—Scott Mfg. Co., Commonwealth Trust Bldg. (Brick Pulverizer; Molds, etc.) .....D  
 756—Standard Adding Mach. Co. (Adding) .....A  
 757—Standard Railway Equipment Co. (Pneumatic Riveting; Pneumatic Wood Boring) .....G  
 758—Swaine Co., F. T. (Can Makers'; Crimping; Beading; Double Seaming; Can Body Forming; Bending; Sheet Metal Workers'; Tools; Swaging) ..B  
 759—Welch, Robert (Stave Jointer) .....D  
 760—Whitman Agricultural Co., 6900 S. B'way (Sawing Headers, etc.) .....AA  
 761—Yerkes Finan Wood Working Mach. Co. (Wood Printing; Band Sawing; Molding Sander; Wood Molding) .....B  
 762—Zelnicker Supply Co., Walter A., 408 N. 4th (Portable Key-Seating; Rail Bending; Straightening) X  
  
*NEBR.—Beatrice*  
 763—Dempster Mill Mfg. Co. (Well Sinking) .....AA  
*NEBR.—Omaha*  
 764—Monarch Gas Co., 1012 Farnam (Acetylene Gas) C  
  
*N. H.—Antrim*  
 765—Goodell Co. (Paring Fruit; Seed Sowing) ....A  
*N. H.—Claremont*  
 766—Sullivan Machy Co. (Coal; Quarry) .....AAAA  
*N. H.—Concord*  
 767—Abbott-Downing Co. (Street Cleaning; Street Sweeping) .....X  
*N. H.—Derry*  
 768—Angell, E. R. (Acetylene Gas) .....X  
*N. H.—Dover*  
 769—Flagg & Son, J. C. (Leather Splitting) .....F  
 770—Kidder Press Co. (Paper Slitting; Rotary Printing; Rewinding; Sheet Paper Cutting; Slitting).....A  
 771—White Co., Jno. A. (Post Boring; Sandpapering; Wood Boring; Wood Molding) .....C  
*N. H.—Exeter*  
 772—Exeter Machine Wks. (Boring; Drilling; Air Drying) .....B  
*N. H.—Franklin Falls*  
 773—Mayo Knitting Mach. & Needle Co. (Hosiery Knitting) .....A  
*N. H.—Keene*  
 774—Humphry Machine Co. (Shoe Peg; Box Makers';

## APPENDIX—Machinery (775-815)

- Clothes Pin; Box Board) .....C  
*N. H.—Lakeport*  
 775—Bickford & Co., H. (Vertical Metal Boring)....D  
 776—Cole Mfg. Co. (Bolt Heading) .....A  
 777—Pepper Mach. Wks. (Cuff Flat Ribbed) .....B  
*N. H.—Manchester*  
 778—Leighton Machine Co. (Seamless Hosiery; Hosiery Knitting) .....B  
*N. H.—Nashua*  
 779—Amer. Shearer Mfg. Co. (Sheep Shearing) ....B  
 780—Flather & Co. (Screw; Shaping) .....A  
*N. H.—Penacook*  
 781—Concord Axle Co. (Marble; Granite Polishing)...A  
*N. H.—Belleville*  
 782—Atlas Fdry. & Machine Co. (Balling; Burring)...D  
*N. J.—Bridgeton*  
 783—Cox Bros. (Capping; Topping; Canning) .....E  
 784—Ferracute Machine Co. (Can Makers'; Cartridge; Coining; Punching for Light Metal; Paper, etc.; Sheet Metal Workers'; also Tools; Fibre; Soldering) A.  
*N. J.—Camden.*  
 785—Industrial Mfg. Co. (Overseaming; Sewing) ..B  
*N. J.—Elizabeth*  
 786—Diehl Mfg. Co. (Dynamo Electric) .....A  
*N. J.—Gloucester City*  
 787—Rogers Boat Gauge & Drill Wks., Jno. M. (Caliper; Measuring for Tool Room, etc.) .....A  
*N. J.—Jersey City*  
 788—Smith & Sons Co., Theo., ft. of Essex, (Bridge Operating) .....A  
 789—Steele & Condict, 70 Pearl (Ice; Refrigerating)...B  
 790—Williams & Son, E. A. (Soap) .....AAA  
*N. J.—Newark*  
 791—Arnold Sewing Machine Co., 216 High (Knit Goods; Finishing; Sewing) .....D  
 792—Atha Tool Co. (Enamelled Cloth) .....A  
 793—Crabb & Co., Wm. (Flax) .....B  
 794—Currier & Sons, Cyrus (Enamelled Cloth; Embossing Leather; Varnishing) .....AAA  
 795—Freeman, A W., 67 R. R. Av. (Hand Bending) E  
 796—Gould & Eberhardt (Bolt; Nut; Metal Printing; Engraving; Wrench; Buffing; Polishing; Centering; Drilling; Tapping; Drilling and Tapping Combined; Gear Cutting; Milling; Shaping; Slotting; Foot Wood Mortising; Sifting).....A  
 797—Hanson & Van Winkle Co. (Dynamo Electric; Polishing) .....AA  
 798—Hewes & Phillips Iron Wks. (Slotting) .....A  
 799—Isbell-Porter Co. (Ice; Refrigerating) .....D  
 800—Lambert Hoisting Engine Co., 115-121 Poinier (Coal; Ore Handling; Hoisting) .....C  
 802—Mundy, J. S. (Friction Hoisting; Steam Power Hoisting) .....A  
 803—Noble & Hunt (Jewelers') .....E  
 804—Ohl & Co., Geo. A. (Cornice; Sheet Steel Lath) B  
 805—Ohl Auto. Mach. Co. (Varnishing; Slat for Trunk Mfrs.) .....X  
 806—Osborne Co., H. F. (Fly Net) .....E  
 807—Osborne & Co., C. S. (Harness Loop; Leather Creasing; Leather Embossing) .....B  
 808—Seymour & Whitlock, 43 Lawrence (Sash; Door; Blind; Blind Wiring; Foot; Hand Power Mitring; Wood Boring; Wood Mortising; Wood Molding; Wood Surfacing; Brad Driving) .....B  
 809—Sloan & Chace Mfg. Co., Ltd. (Watch Case; Precision) .....X  
 810—Smith Mfg. Co., Anthony P. (Automatic Pipe Calking; Tapping Gas and Water Mains) .....B  
 811—Royal Machine Co. (Special of all kinds; Bag Making; Embossing) .....X  
 812—Traud Co., Alex. (Sulphur; Embossing; Bakers') A  
*N. J.—New Brunswick*  
 813—National Water Tube Boiler Co. (Crown Wheels; Wild Horses; Racks; Saddles, etc.; Brick; Grinding Mill) .....A  
 814—Waldron Co., Jno. (Wall Paper) .....B  
*N. J.—New Orange*  
 815—Wright Co., Chas. E. (Band Sawing).....B

"Our twenty-five years' experience operating and designing special sawing machinery has developed many improvements in connection with these tools, which cannot fail to be appreciated. If interested you can surely make no mistake in getting our prices before placing order. We can show a guaranteed saving of 40 per cent. in time, labor, saws, etc., where our automatic filing, setting and brazing machines, and patent roller guides are adopted for general use. Our warranted band and circular saws are sold under absolute

## APPENDIX—Machinery (816-855)

*guarantee. Send for catalogue "B" with article on Secrets of Successful Band Sawing describing the art of cold metal cutting."*

*N. J.—Paterson*

816—Atherton Machine Co. (Silk; Silk Doublers; Quillers; Winders; Looms; Polishers; Warpers; Singeing, etc.) .....B

817—Eastwood Co., Benj. (Silk; Cloth Measuring; Silk Doubling; Power Transmission) .....A

818—Gerber, Eugene (silk) .....C

819—King-Quick-Gerber Co. (Silk) .....D

820—Knapp, C. H., cor. Waite & Rye (Singeing) ....F

821—Paterson Machine Wks. (General) .....F

822—Rink-Quick-Gerber Co. (Silk Dyeing; Finishing) .....D

823—Royle & Sons, Jno. (Silk; Electrotypers'; Photo-Engravers Beveling; Rubber; Jacquard Card Cutting; Die Sinking; Electrotyp Trimming; Piano; Routing; Repeating; Wire; Cable Insulating; Rubber Tubing; Insulating; Wire Weaving; Cycloidal Ruling; Sawing;) .....A

824—Sipp Electric & Mach. Co., 1 Mill (Cloth Testing; Silk Winders) .....D

825—Terhune Mach. Wks., J. I., 164 Ward (Cloth Finishing) .....E

826—Verdol-Jacquard Mach Co. (Silk) .....X

827—Walder, J. (Silk) .....A

828—Watson Machine Co., 77 R. R. Av. (Embossing; Pressure; Friction; Calendering; Padding; Cordage; Bleaching; Singeing; Soaping; Wool; Worsteds; Calico Printers'; Silk; Dyeing; Finishing) .....A

829—Webendorfer Mach. Co. (Silk Lustreing) .....C

*N. J.—Perth Amboy*

830—Graecen-Derby Engineering Co. (Box Nailing) ..E

*N. J.—Raritan*

831—Kenyon & Son, D. R. (Chinchilla; Soaping; Whipping; Tenting; Wool Willowing; Wool Washing) ..B

*N. J.—Riegelsville*

832—Taylor, Stiles & Co. (Rag Cutting; Glue Stock Cutting) .....A

*N. J.—Salem*

833—Ayars Machine Co. (Can Makers' Canning; Sheet Metal Workers') .....B

*N. J.—Smithville*

Smith Machine Co., H. B., (Box Makers'; Sash; Blind Slat Crimping; Band Sawing; Door; Blind; Handle; Blind Wiring; Corner Block Carving; Curtain Pole; Cutting off Wood; Mitreing; Panel Raising; Post Boring; Rod; Pin; Dowel; Routing; Sandpapering; Wood Shaping; Wood Tenoning; Wood Boring; Wood Flooring; Wood Mortising; Wood Molding; Bench Boring; Boxing; Cross-cut Saw; Cut-off Saw; Picket; Picket Pointing; Sawing; Spoke).....AA

*N. J.—Trenton*

835—Crossley Mfg. Co. (Pottery; Tile; Electric Porcelain; Clay Washing) .....B

836—Mackenzie, Duncan (Potters'; Rubber) .....A

837—Morse & Walsh Co. (Adding) .....E

838—Thropp & Sons Co., Jno. E. (Cement) .....A

839—Trenton Iron Co. (Br. N. Y. City) (Elevating; Conveying) .....AA

840—Wilkes, Moses (Est. of) (Brick; Supplies) ....F

*N. J.—Vineland*

841—Keighley & Sons, Chas. (Boot; Shoe) .....A

*N. Y.—Albany*

842—Dederick's Sons, P. K. (Horse Power Hoisting) .....A

843—Osgood Dredge Co. (Drainage; Ditching; Hoisting Steam Power.) .....A

844—Townsend Furnace & Machine Shop Co. (Aniline Bridge Work) .....B

*N. Y.—Amsterdam*

845—Gilliland's Sons, Francis, 39 Bridge (Wool Scouring) .....B

846—Inman Mfg. Co. (Paper Cutting) .....A

847—Klauder-Weldon Dyeing Mach. Co. (Slubbing; Mercerizing) .....A

848—McCurdy-Burton Machy. Co. (Automatic Pearl Button) .....D

*N. Y.—Auburn*

849—Crane Fdry. & Machine Wks., W. W. (Die Sinking) .....D

850—New Birdsall Co. (Threshing) .....AA

*N. Y.—Baldwinsville*

851—Fancher Mach. Co. (Tomato Scalding) .....G

*N. Y.—Belmont*

852—Clark Bros. (Saw Mill; Lumber Mill) .....A

*N. Y.—Binghamton*

853—G. & E. Electric & Construction Co. (Boring for Electric Wiring) .....D

854—Rex Acetylene Generator Co. (Acetylene Gas) ..D

855—Shapley & Wells (Tanners' Hair Washers; Bark

# APPENDIX—Machinery (856-896)

- Mills) .....A  
856—Star Electric Co. (Boring for Electric Wiring)...D  
857—Stow Mfg. Co. (Portable Boring; Drilling; Tapping; Metal Boring; Reaming; Portable Tapping; Reaming; Drilling Electric; Boring Pinhole) .....A  
*N. Y.—Brooklyn*  
858—Adriance Machine Wks., 254 Van Brunt (Can Makers'; Soldering; Sanitary; Sheet Metal Workers'; also Tools) .....A  
859—Amer. Stopper Co., cor Pearl & Water (Bottlers'; Supplies) .....D  
860—Bliss Co., E. W., 19 Adams (Can Makers'; Bicycle Chain Making; Soap; Horizontal Boring & Drilling; Capping; Coining; Corrugating; Crimping; Bending; Double Seaming; Embossing; Can Body Forming & Bending; Horizontal Metal Boring; Armature Disk, etc.; Notching; Perforating; Polishing; Gang Punching; Sheet Metal Workers'; also Tools; Slitting; Swaging for Sheet Metal; Wire Handle; Wire Ring) .....AAAA  
861—Brown & Patterson, 33 Marcy Av. (Candle; Soap) .....A  
862—Burr & Sons, Jno T., 32 S. 6th (Broaching; Key-Seating; Cold Sawing) .....A  
863—Carpenter, Thos. D., 93 Pearl (Veneer Cutting) .....B  
864—Doane, Chas. R., 26 Meserole (Seidlitz Powder) .....C  
865—Doig, Wm. S. (Est of), 54 Franklin (Wooden Box Nailing; Brad Driving) .....B  
866—Foster Pump Wks. (Inc.), 36 Bridge (Pitching) .....B  
867—Green Mfg. Co., 296 Oakland (Kindling Wood of all kinds) .....B  
868—Guild & Garrison (Air Drying; Water Works Pumping; Pneumatic) .....B  
869—Hayes Machine Co., 100 West (Box Board Printing; Veneer Slicing; Box Nailing; Dye Wood Chipping) .....E  
870—Hibbard Mfg. Co., Wm. H., 79 Wash'n (Buffing; Polishing; Can Sleaning; Crimping; Beading; Double Seaming; Vertical Milling) .....C  
871—Hoole Mach. & Engraving Wks., 29 Prospect (Bookbinders') .....D  
872—Houchin & Huber, 39, 53d (Mixing; Candle; Bed Feather; Soap; Spring Bed; Wire Mattress) ....D  
873—Hubbard's Sons, Norman, 265 Water (Veneer Cutting) .....D  
874—Lefferts & Co., Chas. A., 63 Clymer (Briar Pipe; Can Makers'; Canning; Circular Folding used in Packing Baking Powder, Medicines, etc.; Crimping; Beading; Double Seaming; Can Forming; Bending, etc.; Bottle, Can & Package Labeling; Notching; also Bench Notching; Screw Thread Rolling; Sheet Metal Workers'; Tools; Slitting) .....D  
875—McAdams & Sons, Jno. (Ruling) .....D  
876—Milliken Bros., 79 Washington Av. (Box Nailing) .....X  
877—Pioneer Iron Wks. William & King (Asphalt; Paper Tarring) .....A  
878—Pioneer Machine Wks. (Jas. Hartley, Prop.) (Road Making Asphalt) .....B  
879—Ross & Son Co., Chas., 148 Classon Av. (Bolting; Packing; Grinding; Mixing; Sifting) .....D  
880—Taylor & Co. (Inc.) (Hydraulic; Oil Well; Ice; Hoisting Steam Power; Wrecking; White Lead Works) .....D  
881—Unitype Co. (Typesetting; Type Distributing) AA  
882—Wetter Mfg. Co., 331 Classon Av. (Ptg. Press Numbering) .....F  
883—White Engineering Works, Robt., ft. Columbia (Roofing) .....D  
*N. Y.—Buffalo*  
884—Automatic Husker Co., 129 Erie (Green Corn Husking) .....X  
885—Blackhall Mfg. Co., 10 Lock (Envelope; Bookbinders') .....D  
886—Bryant & Sons & Co., O., 1453 Niagara (Sand Molding) .....F  
887—Buffalo Engine Co. (Ice; Refrigerating) .....X  
888—Buffalo Forge Co. (Air Moving) .....AAA  
889—Buffalo Last Wks. (Shoe Molding) .....B  
890—Buffalo Pitts Co. (Threshing) .....AAAA  
891—Buffalo Refrigerating Mach. Co. (Refrigerating) .....X  
892—Buffalo Scales Co. (Testing; Testing Scale) ..AA  
893—Burdick, O. C., White Bldg. (Bolt; Nut) .....X  
894—Case Refrigerating Mach. Co., 31 Main (Ice; Refrigerating) .....A  
895—Contractors' Plant Mfg. Co., 129 Erie (Earth Moving; Horse power Hoisting; Steam Power Hoisting) .....B  
896—Dopp Co., H. W. (Candle; Confectioners'; Soap; Oil Mill; Drying) .....D

## APPENDIX—Machinery (897-924)

- 897—Double Truss Cornice Brake Co. (Cornice Makers'; Gutter Forming; Sheet Metal Workers'; Tools) C
- 898—Frank Machy. Co. (Cutting-Off Wood; Dowel; Cut-Off Saw; Mortising; Tonguing; Grooving; Rip Saw; Wood Shaping; Tenoning; Boring; Molding; Vertical Boring; Veneer Cutting; Sash; Door; Blind) C
- 899—Holmes Machy. Co., 59 Chicago (Barrel; Keg; Stave & Heading; Box Makers'; Box Nailing; Cabinet Makers'; Coopers' Planing Mill; Sash, Door & Blind; Shingle; Cutting-Off Wood; Traction Ditching Tile; Edging Saw; Rip Saw; Rod Pin; Dowel; Two Saw Wood Trimming; Wood Bending; Wood Boring; Wood Flooring; Wood Molding; Box Dressing; Car Cut-Off; Gaining; Cross-Cut Saw; Cut-Off Saw; Knife Balancing; Crozing; Hoop Nailing) . . . B
- 900—Howard Iron Wks. (Automatic Bolt & Nut; Bookbinders'; Stabbing; Automatic Bolt Threading; Bookbinders' Backing; Bolt Heading for Square, Hex & Carriage Bolts; Bolt Pointing; Nut Tapping; Ice; Refrigerating) . . . A
- 901—Iroquois Iron Wks., 178 Walden Av. (Asphalt) . . . A
- 902—Lobee Pump & Mfg. Co., (Soap; Lead; Oil Well; Fertilizer) . . . G
- 903—Mey Chain Belting Engineering Wks., 14 Perry (Elevating; Conveying) . . . F
- 904—Niagara Machine & Tool Wks. (Beveling; Blind Wiring; Can Testing; Corrugating; Crimping; Beading; Double Seaming; Edge Saw; Flanging, Sheet Metal Forming & Bending; Gutter Forming; Hand Bending; Notching; Can Makers'; Canning; Cornice Makers'; Conductor Pipe; Eave Trough; Roofing; Slitting; Straightening & Cutting Strip Metal; Nut Tapping; Perforating; Light Punching; Boiler Makers' Punching; Gang & Multiple Punching; Punching & Shearing; Riveting; Turning; Wiring) . . . A
- Manufacturers of Tools and Machines for working Sheet metals.*  
*Presses for Power and Foot, Drop and Screw Presses.*  
*Dies for Cutting, Forming and Stamping.*  
*Outfits of machinery for making cans, sheet metal packages, and other articles of sheet metals.*  
*Automatic Can Machinery.*  
*Complete line of Tinsmiths' Tools and Machines.*  
*Tools for Sheet Metal Roofing.*  
*Squaring, Slitting and Circle Shears of various sizes and capacities.*  
*Punches, Forming and Bending Rolls.*  
*Dies and Special Machinery for Sheet Metal Work according to specifications, drawings or samples.*
- 905—Noye Mfg. Co., Jno. T. (Brewers'; Malt House; Buckwheat; Flour Mill; Oat Meal; Rice Milling; Mixing; Sifting) . . . X
- 906—Oliver Mfg. Co. W. W. (Buffing; Polishing) . . . C
- 907—Rogers & Co. S. C., 10 Lock (Brazing; Band Saw; Saw Sharpening; Emery Wheel; Paper Bag) . . . C
- 908—Ruger Mfg. Co., J. W. (Coopers'; Dry Fruit Cleaning; Bakers') . . . B
- 909—Snow Steam Pump Wks. (Wine Pumping) . . . X
- 910—Squier Mfg. Co., Geo. L. (Centrifugal; Coffee; Distillery; Rice Milling; Sugar) . . . AAA
- 911—White Co., L. & I. J. (Coopers') . . . A
- N. Y.—*Canandaigua*
- 912—Rush Acetylene Generator Co. (Acetylene Gas) . . . X
- 913—Standard Wire Fence Co. (Fence) . . . D
- N. Y.—*Cattaraugus*
- 914—Oakes & Burgher (Cheese Box; Dairy) . . . B
- N. Y.—*Cohoes*
- 915—McCreary, Edw. M. (Cloth Folding; Napping) . . . E
- N. Y.—*Delavan*
- 916—Goo & Hopkins (Cheese Box) . . . H
- N. Y.—*Dunkirk*
- 917—Hilton Mach. Co. (Brick; Supplies) . . . X
- N. Y.—*Fishkill on Hudson*
- 918—Dutchess Tool Co (Tenoning) . . . D
- N. Y.—*Frankfort*
- 919—Acme Road Machy. Co. (Street Sweeping) . . . B
- N. Y.—*Fredonia*
- 920—Barnum, W. P. (Valve Re-Seating) . . . X
- N. Y.—*Fulton*
- 921—Dilts Machine Wks. (Cylinder; Paper Making; Wood Pulp) . . . B
- N. Y.—*Glens Falls*
- 922—Dix Foundry Co., J. L. (Barrel; Keg; Stave; Heading) . . . D
- N. Y.—*Gowanda*
- 923—Gowanda Agricl. Wks. Co. (Wood Mill with Jack; Wood Sawing & Splitting) . . . X
- N. Y.—*Grassy Point*
- 924—Wiles Co., A. M. & W. H. (Brick Press; Brick;



# APPENDIX—Machinery (925-960)

Supplies; General)	B
N. Y.— <i>Greenwich</i>	
925—Eddy Plough Co., W. (Flax)	B
N. Y.— <i>Groton</i>	
926—Groton Bridge Co. (Threshing)	B
N. Y.— <i>Haverstraw</i>	
927—Waldron, Chas. (Brick Machine Moulds)	G
N. Y.— <i>Ilion</i>	
928—Remington Arms Co. (Typewriting; Sewing Hand)	AAA
N. Y.— <i>Ithaca</i>	
929—Williams Bros. (Artesian Well; Oil Well; Well Sinking; Glass Wks.)	AA
N. Y.— <i>Jamestown</i>	
930—American Mfg. Concern (Clothes Washing)	A
N. Y.— <i>Lestershire</i>	
931—Heath Machine Co., W. A. (Box Makers'; Curtain Pole; Panel Raising; Wood Shaping; Tenoning; Boring)	D
N. Y.— <i>Little Falls</i>	
932—Burrell & Co., D. H. (Testing Milk; Cream Separating)	AAAA
933—Snyder Mfg. Co., Homer P. (Rib Knitting)	B
934—Stafford & Holt (Rib Knitting)	B
N. Y.— <i>Lockport</i>	
935—Holly Mfg. Co. (Water Wks.; Pumping)	A
936—Merritt Mfg. Co. (Curtain Pole; Rod, Pin & Dowel; Rotary Veneer Cutting; Spoke; Barrel; Keg; Stave; Heading; Basket; Butter Dish; Cheese Box; Coopers'; Handle; Table Leg; Wood Turning)	D
937—Richmond Mfg. Co. (Brush; Smut)	A
938—Trevor Mfg. Co. (Headings; Staves, etc.; Coopers'; Handle; Shingle Sawing; Wrecking; Grate Slat Cutting; Rod, Pin & Dowel; Tumbling for Smoothing Handles; Veneer Cutting; Wood Barking; Sand Belt; Telephone Pin & Bracket; Veneer Clipping; Wood Pulp Splitting; Wood Pulp Wet)	C
N. Y.— <i>Long Island City</i>	
940—Stuebner, G. L., 162, 3d (Coal & Ore Handling)	B
N. Y.— <i>Malone</i>	
941—Hinds, Thos. (Stone & Marble Working)	D
N. Y.— <i>Middletown</i>	
942—Morgan & Wilcox Mfg. Co. (Mailing)	C
N. Y.— <i>Montour Falls</i>	
943—General Pneumatic Tool Co. (Compression Pneumatic Riveting)	B
N. Y.— <i>Mount Morris</i>	
944—Empire Machine Wks. (Spoke)	E
N. Y.— <i>New Brighton</i>	
945—Muralo Co. (Paint Spraying; Sanitary Wall Coating; Painting)	A
N. Y.— <i>Newburgh</i>	
946—Coldwell-Wilcox Co. (Asphalt)	B
947—Newburgh Ice Machine & Engine Co. (Ice; Refrigerating; Water Cooling)	A
N. Y.— <i>New York City</i>	
948—Abbe Engineering Co. (Cement; Lead; Drying; Fertilizer)	D
949—Acetylene Gas Illuminating Co., 105 Walker (Acetylene Gas)	E
950—Allen, Jno. F., 370 Gerard Av. (Pneumatic Riveting; Pneumatic Riveting Portable)	C
951—Alsing & Co., J. K. (Lead; Cement)	X
952—Amer. Chocolate Machy. Co. 49 W. 66th (Confectioners)	D
953—Amer. Linde Refrigeration Co., 45 B'way (Ice; Refrigerating)	B
954—Amer. Mutascope Co. (Moving Pictures)	X
955—Amer. Slicing Machine Co., 9 E. 14th (Dried Beef Slicing)	X
956—Amer. Soda Fountain Co., 449, 1st Av. (Bottlers' Supplies)	AAAA
957—Amer. Type Founders Co. (Wire Stitching)	AAAA
958—Amer. Typewriter Co. (Typewriting)	D
959—Amer. Wood Working Mchry. Co., 136 Liberty (Band Sawing; Blind Slat Crimping; Blind Wiring; Brazing; Car Boring; Corner Block Carving; Cutting-Off Wood; Edge Saw; Gang Drilling; Port Boring; Rip Saw; Rod Pin & Dowel; Sand Papering; Wood Shaping; Tenoning; Timber Graining; Wood Boring; Carving Flooring; Mortising; Boxmakers; Carriage Builders; Chair; Cabinet Makers; Sash Door & Blind; Planing Mill; Furniture; Wood Molding Wood Polishing; Wood Surfacing; Bench Boring; Combination Saw & Dado; Cross Cut Saw; Cut-Off Saw; Lath; Picket Heading; Sawing; Pinhole Boring; Pin Making & Pointing; Tonguing; Grooving; Vertical Boring)	AAAA
960—Amer. Writing Machinery Co., 343 B'way (Typewriting)	AA

## APPENDIX—Machinery (961-1008)

*In addition to manufacturing the New Century Typewriter and Invincible Typewriters Supplies, Ribbons, Carbon Paper, Oil, etc., we are wholesale dealers in remodeled and rebuilt typewriters of all makes. We are in position to supply dealers with typewriters in saleable condition or in the rough.*

- 961—Ams Mach. Co., Max, 372 Greenwich (Can Making) .....AA
- 962—Arthur Co., 188 Front (Burring) .....A
- 963—Ashcroft Mfg. Co. (Oil Testing) .....A
- 964—Atwood-Morrison Co., 445 Broome (Double Seaming; Silk Doubling; Silk Reeling) .....AA
- 965—Bacon, Earle C., 26 Cortlandt Coal & Ore Handling; Elevating; Conveying) .....B
- 966—Bates Mfg. Co., 83 Chambers (Hand Numbering; Automatic Numbering) .....A
- 967—Berlin Machine Co., 149 B'way (Cloth Rolling; Rip Saw; Sandpapering; Timber Graining; Wood Boring; Mortising; Molding; Polishing; Lumber Mill; Picket Pointing; Tenoning; Spiral Molding) .....AAAA
- 968—Bracher Mfg. Co., Geo. S. (Hat Binding) .....B
- 969—Bradley, A. J., 99 Beekman (Stencil Making) X
- 970—Budde & Westermann, 50 Vesey (Bottlers; Supplies) .....A
- 971—Bunnell & Co., J. H. (Electro-Magnetic; Pocket) B
- 972—Burns & Sons, Jabez, 542 Greenwich (Coffee & Spice Mill; Sifting) .....B
- 973—Butler, A. G., 284 Pearl (Automatic Numbering) F
- 974—C. & C. Electric Co. (Dynamo; Electric) .....AA
- 975—Cameron Steam Pump Wks. A. S. (Wine Pumping) .....AAA
- 976—Campbell Printing Press & Mfg. Co. (Varnishing) .....B
- 977—Cavagnaro, John J. (Macaroni) .....B
- 978—Coin Counting Machine Co., 25 Broad (Coin Counting) .....F
- 979—Colt Co., J. B., 21 Barclay (Acetylene Gas)....B
- 980—Colwell, A. W. (Cane Cutting) .....B
- 981—Commercial Acetylene Co., 80 B'way (Acetylene Gas) .....D
- 982—Cornell Co., J. B. & J. M., 26th & 11th Av. (Beet Sugar; Cane Sugar; Vertical Metal Boring) AA
- 983—Cottrell & Sons Co., C. B. (Electrotypers; Printing) .....AAA
- 984—Crandall & Godley Co., 157 Franklin (Confectioners; Egg Beating; Mixing; Rolling) .....AA
- 985—Cushman & Denison Mfg. Co., 240 W. 23rd (Hand Numbering) .....B
- 986—Deely Co., Robert (Centrifugal; Salt Wks.; Sugar) .....AA
- 987—De La Vergne Mach. Co., ft. E. 138th (Ice & Refrigerating) .....AAAA
- 988—Densmore Typewriter Co. (Typewriting) .....B
- 989—Dexter Folder Co., 290 B'way (Bookbinders') AA
- 990—Dietsch Bros., 14 E. 17th (Jewelers' Die Cutting) .....AA
- 991—Domestic Sewing Mach. Co., (Double Needle Sewing; Fancy Stitch Sewing; Lock Stich Sewing; Hand Sewing) .....X
- 992—Dudgeon, Richard, 24 Columbia (Punching; Hydraulic) .....A
- 993—Dunlap Machinery Co. (Sewing; Boot; Shoe) F
- 994—Eaton, Cole & Burnham Co., 253 B'way (Pipe; Pipe Cutting; Threading) .....AAAA
- 995—Eaton & Glover Co. (Engraving; Jewelers') ..D
- 996—Eddy, Geo. B., 398 Madison (Cloth Inspecting) D
- 997—Edison Mfg. Co. (Drilling; Electric) .....A
- 998—Edison Phonograph Agency (X-Ray) .....D
- 999—Ewards & Co., Jos., 414 Water (Bridge Operating; Irrigating) .....B
- 1000—Egbert & Co., H. L., 21 New Chambers (Bookbinders') .....G
- 1001—Emmerich & Vonderlehr, 191 Worth (Printers Bronzing; Dusting) .....X
- 1002—Ermold, Edw., 664 Hudson (Automatic Bottle Filling & Labeling; Corking; Cork Cleaning; Cigar Branding) .....E
- 1003—Fabric Measuring & Packaging Co., 82 Centre (Cloth Folding; Measuring) .....E
- 1004—Fairbanks Co., 186 Elm (Cement Testing; Pipe Cutting & Threading; Automatic Rail Bending & Straightening) .....AAAA
- 1005—Federoll, Rudolph, 267 W. 35th (Acetylene Gas) E
- 1006—Forschner & Sons, Chas. (Butchers') .....X
- 1007—Fox Bros., 24 Vesey (Lever Rail Bending & Straightening) .....A
- 1008—Fraser Mfg. Co., 26 Cortlandt (Coffee & Spice

# APPENDIX—Machinery (1009-1059)

Mill)	.....D
1009—Garvin Machine Co., 137 Varick (Buffing; Polishing; Chucking; Drilling; Tapping; Edging Saw; All Kinds Forming & Bending; Gear Cutting; Metal Boring; Plain, Vertical & Universal Milling; Profiling; Riveting; Screw; Screw Slotting; Shaping; Slotting; Spring Coiling; Tapping; Wood Boring; Lath; Chain Making; Bicycle; Handle)	.....AA
1010—Gibbs-Brower Co., 150 Nassau (Addressing; Stencil Cutting)	.....A
1011—Goubert Mfg. Co., 85 Liberty (Burring)	.....B
1012—Greason Mfg. Co., 108 W. 99th (Acetylene Gas)	.....D
1013—Haiss Mfg. Co., Geo., 141st & Rider Av. (Coal; Ore Handling)	.....D
1014—Hammacher, Schlemmer & Co., 4th Av. & 13th (Hand & Power Glue Spreading)	.....AAA
1015—Hammond Typewriter Co. (Typewriting)	.....D
1016—Hayward Co., 97 Cedar (Ditching; Coal & Ore Handling)	.....B
1017—Hepworth Co., S. S. (Sugar)	.....D
1018—Hillyard Co., 75 Fulton (Confectioners')	.....F
1019—Hoe & Co., R., 504 Grand (Mitreing; Mailing; Coopers')	.....AAAA
1020—Howard & Morse (Ventilating; Air Moving)	.....D
1021—Hunt Co., C. W. (Coal Hoisting & Handling; Hoisting; Steam Power; Elevating; Conveying)	.....AA
1022—Hungerford Bros. & Co. (Macaroni)	.....B
1023—Iden & Co., 40 University Pl. (Acetylene Gas)	.....B
1024—Imperial Gas Machine Co., 32 Park Pl. (Gas)	.....X
1025—Ingersoll-Sergeant Drill Co., 36 Cortlandt (Coal Cutting; Coal Mining; Quarry; Bar, Track & Undercutting Stone Channeling; Tunnelling)	.....AAAA
1026—James, Emile, 44 Clinton Pl. (Boot; Shoe Sewing)	.....C
1027—Jochum, Andrew, 148 E. 50th (Self-Acting Mash-ing)	.....E
1028—Keller Mechanical Engineering Co., 570 W. B'way (Jewelers' Die Cutting)	.....B
1029—Kent Mill Co., 170 B'way (Cement Pulverizers)	.....A
1030—Knapp Mfg. Co., 22 Frankfort (Smoke Test)	.....D
1031—Koppel, Arthur, 68 Broad (Coal & Ore Handling)	.....A
1032—Koven & Bro., L. O., 50 Cliff (Acetylene Gas)	.....A
1033—Krajewski-Pesant Co., 32 B'way (Sulphur; Sugar; Centrifugal; Fibre)	.....AA
1034—Krieg & Co., J. K. (Embossing; Lacing Stud; Boot; Shoe)	.....B
1035—Kruise Sewing Machine Co., 218 6th Av. (Sewing)	.....D
1036—Kruise & Murphy Mfg. Co., 100 E. 130th (Sewing; Automatic Sewing; Chain Stitch Sewing; Double Needle Sewing)	.....D
1037—Lalace & Grosjean Mfg. Co. (Kneading)	.....AAAA
1038—Leavitt & Co., C. W., 15 Cortlandt (Coal & Ore Handling)	.....D
1040—Lidgerwood Mfg. Co. (Hoisting; Handling; Hoisting Steam Power; Coal & Ore Handling; Elevating & Conveying; Logging)	.....AAA
1041—Lightning Bottle Wiring Mach. Co. (Bottle Wiring)	.....X
1042—Lovejoy Co. (Black Leading; Electrotypers' Woodworking; Moulding; Shaving)	.....B
1043—McAllister, T. H., (Moving Picture)	.....B
1044—McCabe, J. J., 15 Dey (Horizontal Boring & Drilling; Plain & Universal Milling)	.....B
1045—McCoy Co., Joseph F., 157 Chambers (Rail Bending; Straightening)	.....B
1046—McDougall & Potter Co., (Oil Well)	.....D
1047—Machine Mantle Sewing Co., 630 E. 184th (Incand. Gas Mantle)	.....X
1048—Manning, Maxwell & Moore, 85 Liberty (Buffing; Polishing; Gear Cutting; Metal Boring; Multiple Punching; Shaping; Wood Working)	.....AA
1049—Marine Engine & Machine Co., 1123 B'way (Acetylene Gas; Ship)	.....B
1050—Mason & Co., Marcus, 329 Produce Ex. (Coffee & Rice Plantation)	.....A
1051—Mead Mfg. Co., Jno. A., 11 B'way (Coal & Ore Handling)	.....AA
1052—Mergenthaler Linotype Co., 154 Nassau (Typesetting)	.....AAAA
1053—Mergenthaler, Horton Basket Mach. Co., 253 B'way (Basket)	.....X
1054—Morris & Cummings Dredging Co. (Drainage)	.....X
1055—Morrison Co., J. L. (A. G. Mackay, Prop.) (Wire Stitching)	.....D
1056—Ness Jr., Geo. M. (Soap)	.....A
1057—Newell Mfg. Co., 149 B'way (Cement Mills)	.....D
1058—N. J. Fdry. & Mach. Co., 9 Murray (Coal & Ore Handling; Elevating & Conveying)	.....D
1059—N. Y. Labeling Mach. Co., 407A Broome (Bottle	

# APPENDIX—Machinery (1060-1087)

- Labeling) .....D  
1060—Niles-Bement-Pond Co., 111 B'way (Bolt; Nut; Punching; Hydraulic; Multiple; Bending; Hydraulic Bending; Bolt Heading; Bolt Pointing; Bolt Threading; Bolt Upsetting; Bolt Drilling; Horizontal Boring & Drilling; Buffing; Polishing; Car Box Boring; Car Wheel Boring; Centering; Charging; Chucking; Crank Boring; Cutting-Off Metal; Cylinder Boring; Horizontal Drilling; Drilling; Tapping; Boiler Head, etc. Flanging; Forging; Forming; Bending; Gear Cutting; Hand Shearing; Key Seating; Key-Way; Lapping; Metal Boring; Horizontal Metal Boring; Vertical Metal Boring; Cold Metal Sawing; Horizontal, Plain, Vertical & Universal Milling; Nut Facing; Hand & Power Pipe Cutting & Threading; Polishing; Boilermakers' Punching; I Beam Punching; Quartering; Rail Bending & Straightening; Rail Cutting; Reaming; Riveting; Hydraulic Riveting; Steam Riveting; Saw Sharpening; Automatic Screw; Shaft Straightening; Shaping; Iron Shop Sawing; Crank, Gear & Frame Slotting; Tapping; Upsetting; Valve Seat Planing) .....AAAA  
1061—Peck, Stow & Wilcox Co., 27 Murray (Cornice-makers') .....AAAA  
1062—Pels & Co., Henry, 68 Broad (Metal Cutting-Off; Hand Shearing; I Beam Punching; Rail Cutting; Rail Punching; Sheet Metal Workers'; Tools)....C  
1063—Pierce Well Engineering & Supply Co. (Artesian Well; Oil Well; Traction Drilling; Well Sinking; Water Works Pumping) .....D  
1064—Pond Machine Tool Co. (Hoisting; Steam Power) .....AAAA  
1065—Power Specialty Co., 126 Liberty (Acetylene Gas) .....E  
1066—Premier Machine & Engraving Wks. (Bookbinders') .....D  
1067—Prosser & Son, Thos., 15 Gold (Cement).....A  
1068—Prybil, P. (Est. of), 512 W. 41st (Wood Working; Power Transmission) .....AA  
1069—Rand Drill Co. (Quarry; Mining) .....AAAA  
1070—Rapid Addressing Mach. Co., 290 B'way (Envelope Addressing) .....D  
1071—Rauch & Son, Henry, 47 Centre (Pitching)....D  
1072—Reichhelm & Co., E. P., 23 John (Buffing; Polishing) .....A  
1073—Reilley Bros., 322 W. 41st (Wall Paper Pasting; Wall Paper Trimming) .....D  
1074—Reisinger, Hugo, 11 B'way (Pulp Washing)....AA  
1075—Ringler Co., F. A. (Curving) .....A  
1076—Robins Conveying Belt Co., 15 Park Row (Cement Belt Conveyors; Coal; Ore Handling; Belt Conveying) .....A  
1077—Schock, G., 341 E. 59th (Barrel Washing) ...D  
1078—Schott Bros., 346 B'way (Button Making; Lace Tipping) .....D  
1079—Schwenker, W. M. (Brewers' Keg Scrubbing; Pitching) .....B  
1080—Sheridan Co., T. W. & C. B., 56 Duane (Bookbinders', &c., Beveling; Book Covering; Bookbinders' Embossing; Bookbinders' Eyelet; Folding Paper; Numbering; Paging; Paper Cutting; Wire Stitching; Back Forming; Backing; Gold Saving; Leather Embossing; Paper Feeding; Sawing; Stabbing).....A  
1081—Simmons Co., Jno., 106 Centre (Pipe Cutting; Threading) .....AA  
1082—Simplex Typewriter Co. (Typewriting).....D  
1083—Singer Mfg. Co., 149 B'way (Buttonhole; Jacquard Card Stitching; Cloth Room Sewing; Sewing; Overseaming; Automatic Sewing; Belt Sewing; Boot; Shoe Sewing; Carpet Mitreing; Serging; Carpet Sewing; Chain Stitch Sewing; Corset Stitching; Cylinder Sewing; Darning; Double Head Sewing; Double Needle Sewing; Embroidering; Fancy Stitch Sewing; Fur Sewing; Glove Stitching; Hand Sewing; Hat Binding; Hat Sweat Stitching; Horse Boot Sewing; Leather Stitching; Lock Stitch Sewing; Oscillating Shuttle Sewing; Overseaming Sewing; Serging; Harness Sewing; Ruffling; Vamping) .....AAAA  
1084—Smidth & Co., F. L., 80 William (Brick; Supplies; Cement) .....B  
1085—Stafford Co., N., 66 Fulton (Automatic Numbering) .....F  
1086—Staubach, B. (Fat Cutting; Butchers') .....A  
1087—Stimpson & Son, Edwin B., 14 Spruce (Cap; Eyelet; Creasing for Leather, &c.; Embossing for Leather; Cardboards; Gang Eyelet; Grommet; Pinking; Scalloping; Zinc; Copper Plates, &c.; Polishing; Leather Riveting; Splitting for Leather, &c.; Stapling; Corset Steel Tipping; Eyelet Hook Setting; Grommet Setting; Lace Tipping; Lace Stud; Leather Punching; Shoe Splitting; Stay Folding; Suspender Vamp Wrinkling; Toe Cap Carding) .....B

# APPENDIX—Machinery (1088-1130)

- 1088—Sunlight Gas Mach. Co., 261 B'way (Acetylene Gas) .....B  
 1089—Tennis, A. H. (Boot; Shoe Sewing; Cylinder Sewing; Double Head Sewing; Lock Stitch Sewing; Special) .....X  
 1090—Terril Gas Mach. Lighting Co. (Gas) .....X  
 1091—Terwillinger Mfg. Co., 3 W. 23d (Wood Boring) .....D  
 1092—Thomson, W. S., 418 W. 27th (Wood Moulding) .....F  
 1093—Thurnauer & Bro., G. M., 35 Park Place (Acetylene Gas) .....X  
 1094—Tirrill Gas Mach. Co., 441 B'way (Gas; Acetylene Gas) .....X  
 1095—Torchiani, H. (Brewers' Pitching) .....D  
 1096—Trageser Steam Copper Wks., John (Thawing) .....B  
 1097—Turl's Sons, Jno., 534 W. 28th (Forming; Bending; Centrifugal; Salt Works) .....D  
 1098—Union Special Mach. Co., 47 Leonard (Bag Sewing; Boot; Shoe Sewing; Chain Stitch Sewing; Double Needle Sewing; Fancy Stitch Sewing; Leather Stitching; Lock Stitch Sewing; Mail Bag Sewing; Special Sewing; Knit Goods Finishing) .....B  
 1099—Van Houten & Tenbroeck Co., 300 4th Av. (Static Electric; X-Ray) .....D  
 1100—Waite & Bartlett Mfg. Co., 217 E. 23d (Static Electric) .....D  
 1101—Watkins & Son, Jas Y., 10 Catherine (Bakers; Confectioners') .....D  
 1102—Watson-Stillman Co., 210 E. 43d (Hydraulic Bending; Buffing; Polishing Lathes; Pipe Testing; I Beam Punching; Punching; Shearing Combined; Riveting; Hydraulic Rail Bending; Straightening; Hydraulic Riveting; Shaft Straightening; High Pressure Hydraulic; Hydraulic Punching; Tunnelling; Weighing; Shipyard) .....A  
 1103—Weiss & Co., H., 20 Cliff (Sheet Metal Workers' Tools) .....F  
 1104—Weiss, Geo. W., 374 Canal (Plaiting; Pinking; Ruffling; Embroidering) .....X  
 1105—Wesol Mfg. Co., F., 82 Fulton (Printers' Mitreing; Stereotypers') .....A  
 1106—Westinghouse Machine Co. (Ice; Refrigerator) .....AAAA  
 1107—Williams Wire Hinging Mach. Co., 30 Greenwich Av. (Box Hinging) .....B  
 1108—Witteman Bros. (Beer Bottle Washing; Corking; Filling) .....A  
 1109—Witteman Co., 188 William (Bottlers' Specialties) .....A  
 1110—Wood & Nathan Co., 1 Madison Av. (Typesetting) .....X  
 1111—Worthington Pumping Engine Co., (Water Wks.; Wine Pumping) .....AAAA  
 1112—Yaryan Co., 41 Park Row (Bleaching; Evaporating) .....B  
 1113—Zoller & Co., Chas., 12 Water (Bottlers; Supplies) .....B  
 1114—Zucker & Levett & Loeb Co., 528 W. 25th (Buffing; Polishing) .....A  
 N. Y.—Niagara Falls  
 1115—Niagara Falls Acetylene Gas Generator Co. (Acetylene Gas) .....X  
 N. Y.—North Tonawanda  
 1116—Buffalo Steam Pump Co. (Ice; Refrigerating) .....A  
 N. Y.—Oswego  
 1117—Oswego Tool Co. (Boilermakers' Steel Punching; Screw) .....D  
 1118—Oswego Mach. Wks. (Paper Cutting) .....B  
 N. Y.—Pearl River  
 1119—Dexter Folder Co. (Paper Folding; Folding; Enveloping) .....AA  
 N. Y.—Peekskill  
 1120—Anderson, Homer (Winding) .....H  
 1121—Naylor Bros. (Brick; Supplies; Power Transmission) .....A  
 N. Y.—Phoenix  
 1122—Baker, E. B. (Cigar Box) .....H  
 N. Y.—Plattsburg  
 1123—Williams Mfg. Co. (Sewing; Typewriting) .....AA  
 N. Y.—Rochester  
 1124—Amer. Drafting Furniture Co., 223 Mill (Electric Blue Print) .....E  
 1125—Booth Bros. (Boot; Shoe Folding; Beading) .....B  
 1126—Century Cement Mach. Co. (Artificial Stone Making) .....D  
 1127—Clement Co., Frank H. (Band Sawing) .....AAAA  
 1128—Cochrane-Bly Co. (Filing for Sawing Out; Filing Blanking Dies; Metal Sawing) .....D  
 1129—Connell & Dengler Machine Co. (Band Sawing; Double Color Box Board Printing; Surfacing, &c.) .....B  
 1130—Davis Machine Co., W. P. (Cold Metal Cutting)

# APPENDIX—Machinery (1131-1175)

Off; Key-Seating; Key-Way) .....	A
1131—Erdle & Schenck (Perforating; Punching for Light Metal; Paper, &c.) .....	B
1132—Gleason Works (Gear Cutting) .....	A
1133—Huther Bros., 229 Mill (Core Box Cutting; Metal Sawing) .....	B
1134—Knowlton Co., M. D. (Cutting; Scouring; Bending Paper Box; Cornering Paper Box; Rolling Paper Tube) .....	AA
1135—Morgan Machine Co. (Box Board Matching; Grinding; Setting-Up; Wooden Box Printing; Box-makers'; Tonguing; Grooving; Box Nailing) .....	AA
1136—Rochester Barrel Machy. Co. (Slack Barrel; Keg; Stave; Heading) .....	C
1137—U. S. Standard Voting Machine Co. (Voting) ..	B
1138—Yawman & Erbe Mfg. Co. (Bottle Labeling; Filling; Soaking; Washing; Copying for Letters) .....	AA
<i>N. Y.—Rome</i>	
1139—Adams & Son, S. (Lumber Mill; Shingle; Coopers') .....	C
<i>N. Y.—Rouse Point</i>	
1140—Perfect Gas Machine Co. (Acetylene Gas) .....	F
<i>N. Y.—Sandy Hill</i>	
1141—Friction Pulley & Machine Wks. (Wet Paper Mill) .....	B
1142—Sandy Hill Iron & Brass Wks. (Wood Barking; Cylinder; Pulp Mill; Paper Mill) .....	A
<i>N. Y.—Saugerties</i>	
1143—Canner & Co., P. (Brick; Supplies) .....	C
<i>N. Y.—Schenectady</i>	
1144—General Electric Co. (Electric Coal Cutting; Mining; Electro-Magnetic Pocket) .....	AAAA
1145—Westinghouse Co. (Threshing; Winnowing) ..	AA
<i>N. Y.—Seneca Falls</i>	
1146—Goulds Mfg. Co. (Horse Power Pumping; Wine Pumping; Hydraulic) .....	AAA
1147—Rumsey & Co. (Ltd.) (Horse Power Pumping) ..	A
1148—Seneca Falls Mfg. Co. (Edging Saw; Roll Grooving; Hand; Foot Power Wood Mortising; Hand; Foot Power Wood Molding; Tonguing; Grooving) ..	B
<i>N. Y.—Silver Creek</i>	
1149—Howes Co., S. (Green Pea Grading; Blending; Sifting; Cement Packing; Valve Re-Seating; Brush; Brush Separators Combined; Corn Mill; Scouring; Polishing; Separating Combined) .....	A
1150—Huntley Mfg. Co. (Packing; Corn Mill; Canning) ..	A
1151—Invincible Grain Cleaner Co. (Packing; Corn Mill) .....	A
<i>N. Y.—Suspension Bridge</i>	
1152—Chisholm-Scott Co. (Pea Harvesting; Hulling; Cleaning) .....	A
<i>N. Y.—Syracuse</i>	
1153—Kane & Roach, Niagara & Shonnard (Wood Tensioning; Rolling Mill) .....	B
1154—Merrell-Soule Co. (Inc.) (Corn Cutting) .....	AA
1155—Moore, Thos. F. (Sewer; Trench Excavating) ..	C
1156—Moyer, H. A. (Hub Boring) .....	A
1157—Smith Premier Typewriter Co. (Typewriting) ..	AAAA
1158—Stearns & Co., E. C. (Spoke; Spoke Turning) ..	AA
1159—Syracuse Malleable Iron Wks. (Economic; Rolling-Over Sand Molding) .....	A
<i>N. Y.—Troy</i>	
1160—Adams Laundry Machy. Co. (Clothes Washing; Dyeing; Clothes Ironing; Clothes Starching) .....	B
1161—Bernard Co., E. G. (Dynamo Electric) .....	D
1162—Brewer, Wm. W. (Candle; Soap) .....	F
1163—Eclipse Machine Co., 677 River (Sheet Metal Workers'; also Tools) .....	G
1164—Empire Forge Co. (Pulley Mortising) .....	F
1165—McDermott Ornamental Sewing Mach. Co. (Sewing) .....	B
1166—Palmer Hdw. Mfg. Co. (Emery Wheel) .....	D
1167—Tolhurst & Son, W. H. (Laundry) .....	B
1168—Tompkins Bros. Co. (Clothes Washing; Knitting Underwear) .....	B
1169—Troy Laundry Mach. Co. (Ltd.) (Clothes Washing; Clothes Ironing; Clothes Starching) .....	AA
1170—Whelan, Dennis J. (Sheet Metal Workers'; Tools) .....	A
<i>N. Y.—Unadilla</i>	
1171—Unadilla Machine Wks. (Air Moving) .....	E
<i>N. Y.—Utica</i>	
1172—International Heater Co. (Heating) .....	AAA
<i>N. Y.—Waterford</i>	
1173—Mohawk & Hudson Mfg. Co. (Axe; Hammer; Hatchet) .....	B
<i>N. Y.—Watertown</i>	
1174—Bagley & Sewall Co. (Paper Making; Wood Pulp) .....	AA
<i>N. Y.—Weedsport</i>	
1175—Burritt & Bros., O. W. (Sheet Metal Workers';	

# APPENDIX—Machinery (1176-1211)

- Tools) .....C  
*N. Y.—Yonkers*  
 1176—Saunders Sons, D. (Bolt Threading; Pipe Cutting; Threading; Tapping; Gas; Water Mains; Nut; Pipe; Tapping; Drilling) .....A  
*N. C.—Charlotte*  
 1177—Mecklenburg Iron Wks. (Cutting-Off Wood; Edging Saw; Cut-Off Saw) .....X  
*N. C.—Statesville*  
 1178—Steele & Son, J. C. (Auger Brick; Brick Represses; Brick Automatic Cutting Tables; Dies; Crushers; Cars; Winding Drums, &c.) .....B  
*N. C.—Winston-Salem*  
 1179—Salem Iron Wks. (Inc.) (Railroad Cross Tie; Coffee Hulling; Wood Working) .....B  
 1180—Winston Cigarette Machine Co. (Cigarette Making) .....C  
*OHIO—Akron*  
 1181—Taplin, Rice & Co. (Brick Sewer Pipe; Presses; Dry; Wet Pans; Potters') .....A  
 1182—Webster, Camp & Lane Co. (Gravity Incline; Clay Tempering; Hoisting Steam Power; Coal; Ore Handling; Car Dumping; Oatmeal; Potters') .....A  
*OHIO—Alliance*  
 1183—Alliance Machine Co. (Punching Horizontal; Punching Hydraulic; Punching Multiple; Hoisting) .....AA  
 1184—Morgan Engineering Co. (Blast Furnace; Hydraulic Bending; Rolling Mill; Charging for Billets; Blooms, &c.; Flanging; Forging; Hydraulic Forging; Riveting; Fire Door Riveting; Hydraulic Riveting; Steam Riveting; Steam Forge) .....AA  
*OHIO—Ashland*  
 1185—Myers & Bro., F. E. (Horse Power Pumping) .....AAAA  
*OHIO—Ashtabula*  
 1186—Barber Mfg. Co. (Screw Punching) .....C  
*OHIO—Bucyrus*  
 1187—Amer Clay Working Machy. Co. (Dry; Semi-Dry Press; Re-Press Brick; Sizing; Brick Machines; Pug Mills Combined; Fire-Proofing; Hollow Block; Cement; Terra Cotta; Lumber; Tile; Brick; Supplies) .....B  
 1188—Pilling-Kruse Air Engine Wks. (Compressed Air Hoisting) .....A  
*OHIO—Canton*  
 1189—Arctic Machine Co. (Ice; Refrigerating) .....X  
 1190—Aultman Co. (Pig Iron Casting; Threshing; Elevating; Conveying) .....AAAA  
 1191—Bonnot Co. (Brick Press; Brick; Supplies; Cement) .....B  
 1192—Knight Mfg. Co. (Saw Mills) .....E  
 1193—McLain Co., Jas. H. (Sawing) .....AA  
 1194—Universal Machine Co. (See Canton Fdry. & Mach. Co.) (Conductor Pipe; Eave Trough) .....B  
*OHIO—Chagrin Falls*  
 1195—Ober Mfg. Co. (Wood Chucking; Sand Papering; Wood Shaping; Wood Boring) .....C  
 1196—Ober Lathe Co. (Handle) .....C  
*OHIO—Cincinnati*  
 1197—Amer. Laundry Machy. Co. (Clothes Tumbling; Laundry; Clothes Washing; Clothes Ironing; Clothes Starching; Sterilizing; Sterilizing Washing) .....A  
 1198—Amer. Tool Wks. Co., 6th & Eggleston Av. (Boring; Drilling; Horizontal Boring; Drilling; Buffing; Polishing; Chucking; Drilling; Tapping; Forming; Metal Boring; Vertical Metal Boring; Screw; Screw Shaving; Screw Slotting; Shaping) .....AA  
 1199—Andrew & Co., M. L., 77 Elm (Panel Raising; Whiting for Picture Frames; Multiple Spindle Wood Boring; Iron Drilling) .....C  
 1201—Barker & Co., Wm., cor. Pioneer & Culvert (Crank; Geared Shaping) .....B  
 1202—Bickford Drill & Tool Co., Front, cor. Pike (Car Wheel Boring; Cylinder Boring; Bicycle Drilling; Drilling; Tapping; Metal Boring) .....A  
 1203—Blymyer Iron Wks. Co., Spring Grove Av. & Township (Centrifugal; Coffee; Rice Plantation; Distillery) .....B  
 1204—Buchanan & Co., Thos., 216 Elm (Buffing; Polishing) .....E  
 1205—Bullock Electric Mfg. Co. (Dynamo; Electric) .....AAAA  
 1206—Canda Co., L. (Coin Actuated) .....E  
 1207—Cinn. Milling Machine Co. (Plain; Universal Milling) .....AA  
 1208—Cinn. Punch & Shear Co., 1416 Plum (Beam Coping; Multiple Punching; Shearing; Bending) .....D  
 1209—Cinn. Shaper Co., Garrard Av., cor. Elam (Crank; Geared; Traversed Head Shaping) .....A  
 1210—Coleman Gas Wks. Mfg. Co., 627 Main (Gas; Acetylene Gas) .....F  
 1211—Cordesman Mach. Co., 27 Butler (Blind Wiring;

# APPENDIX—Machinery (1212-1240)

- Cutting-Off Wood; Post Boring; Rip Saw; Rod; Pin; Dowel; Routing; Sand Papering; Wood Shaping; Wood Tenoning; Variety Sawing; Wood Boring; Wood Mortising; Wood Molding; Cross-Cut Saw; Cut-Off Saw; Spiral Molding; Boxmakers'; Carriage Builders'; Chair; Wheel).....X
- 1212—Cordesman, Meyer & Co., 53 Central Av. (Cutting-Off Wood; Carriage Builders'; Panel Raising; Post Boring; Rip Saw; Wood Shaping; Wood Tenoning; Wood Boring; Wood Mortising; Wood Molding; Wood Surfacing).....B
- 1213—Day & Co., J. H., 144 Harrison Av. (Pill Making; Tablet; Bottling; Corking; Filling; Catsup; Dry Fruit Cleaning; Egg Beating; Agitating for Liquids; Mixing; Sifting; Bottlers'; Supplies; Bakers', &c.; Paint; Perfumery; Pill).....C
- 1214—Deters & Co., F., 906 Elm (Pop-Corn).....H
- 1215—Dreses Machine Tool Co. (Screw).....AA
- 1216—Echert Co., P., 27 W. Court (Confectioners').....AAAA
- 1217—Fay & Egan Co., J. A., cor. John & Front (Band Sawing; Blind Wiring; Car Boring; Corner Block Carving; Circular Sawing; Wood; Cutting-Off Wood; Dovetailing; Edging Saw; Wood Gang Drilling; Lock Corner Box; Mitreing; Panel Raising; Port Boring; Rip Saw; Rod; Pin; Dowel; Sand Papering; Wood Shaping; Wood Tenoning; Timber Graining; Wood Bending; Wood Carving; Wood Flooring; Wood Mortising; Wood Molding; Wood Polishing; Wood Surfacing; Babbitting; Bench Boring; Box Dressing; Boxing; Box Setting; Car Cut-Off; Gaining; Car Mortising; Carriage; Car Tenoning; Circular Resawing; Cornering; Rounding; Cross-Cut Saw; Cut-Off Saw; Double Boring; Edge Molding; Shaping; Felly; Friezing; Shaping; Spoke; Gluing; Staining; Hub Boring; Hub Mortising; Radial Boring Portable; Sawing; Spiral Molding; Vertical Boring; Boxmakers'; Carriage Builders'; Chair; Cabinet Makers'; Cigar Box; Saw Mill; Sash; Door; Blind; Car Builders'; Felloe; Planing Mill; Furniture; Gluing; Handle; Piano Factory; Ship Builders'; Wheel; Boxboard Matching).....AAAA
- 1218—Fosdick Machine Tool Co. (Horizontal Boring; Drilling; Milling).....B
- 1219—Francis & Bro., Chas. E., 425 E. 8th (Glue Spreading; Gluing).....B
- 1220—Fritsch Mfg. Co., Francis (Tanners'; Brewers'; Barley; Malt Cleaning; Mashing).....C
- 1221—Greaves, Klusman & Co., Cook & Alfred (Band Sawing; Variety Sawing; Butting; Cross-Cut Saw; Lumber Mill).....B
- 1222—Grever & Co., Edw. C., 71 Cent. Av. (Laundry).....F
- 1223—Heilman, Jno. C., 1652 Dorman (Confectioners').....H
- 1224—Hilbert-Freiberg Mach. Co., 20 W. Court (Confectioners').....E
- 1225—Homan & Co., 214 E. 7th (Candle).....AA
- 1226—International Harness Machy. Co. (Harness).....C
- 1227—Keene & Co., Geo. C., 502 E. Front (Corrugating; Crimping; Bending; Double Seaming; Flanging; Paint Roll; Sheet Metal Workers'; Tools; Cornice; Tin Roofing; Cornice Makers').....F
- 1228—Kingery Mfg. Co., 106 E. Pearl (Confectioners').....C
- 1229—King Mach. Tool Co. (Boilermakers' Punching).....C
- 1230—Kisinger-Ison Co., 466 Pioneer (Street Sweeping).....D
- 1231—Laidlaw-Dunn-Gordon Co. (Br. Int. Steam Pump Co., N. Y. City) (Water Works Pumping; Wine Pumping).....AAAA
- 1232—Lane & Bodley Co., cor. John & Water (Wood Trimming; Lath; Mortising; Cable Railroad; Power Transmission).....A
- 1233—Le Blond Mach. Tool Co., R. K., 4609 Easton Av. (Chucking; Lapping; Plain; Universal Milling; Rack Cutting).....A
- 1234—Lodge & Shipley Mach. Tool Co., 3055 Colerain Av. (Chucking; Lathe; Brass Working).....A
- 1235—McLeod, & Co., Walter, 463 E. Front (Acetylene Gas; Pneumatic Paint Spraying).....B
- 1236—Miller Dubrul & Peters Mfg. Co. (Cigar Branding; Cigar Bunching; Cigarette Making; Tobacco).....B
- 1237—Obermayer Co., S., 647 Evans (Core Making; Sand Mixing; Sand Molding; Sand Sifting).....AA
- 1238—Oesterlein Machine Co., 2846 Spring Grove Av. (Plain; Universal Milling).....B
- 1239—Parks, L. F., Knowlton & C. H. & D. R. R. (Band Sawing).....F
- 1240—Pocock, Oliver, 1042 Harriet (Sheet Metal Forming; Bending; Sheet Metal Workers' Forming; Tools; Broom).....F



## APPENDIX—Machinery (1241-1281)

- 1241—Randall & Co., 802 W. 6th (Leather, &c., Embossing; Harness; Leather Creasing; Leather Folding; Leather Splitting; Leather Stitching; Skiving; Collar Stiffening Power; Stripping; Strap Slitting).....B
- 1242—Robinson Mfg. Co., J. M., 2d & Central Av. (Corrugating; Crimping; Beading; Double Seaming; Sheet Metal Forming; Bending; Paint Roll; Sheet Metal Workers'; Tools; Cornice Makers') .....B
- 1243—Ross-Mayer Mfg. Co. (Leather Polishing; Harness; Boot; Shoe) .....A
- 1244—Schraver & Co., O. P., 208 Elm (Wire Cloth Measuring) .....B
- 1245—Shepard Lathe Co., 129 W. 2d (Shaping) .....F
- 1246—Smith, Myers & Schnier Co. (Lath; Lumber Mill) .....B
- 1247—Smith & Mills (Crank; Geared; Shaping).....A
- 1248—Steptoe Shaper Co., Jno., 2949 Colerain Av. (Crank; Geared Shaping) .....A
- 1249—Streit Machine Co., A., 1108 Harrison Av. (Tapping) .....D
- 1250—Sunlight Gas Co., 539 Main (Acetylene Gas)...X
- 1251—Tatum Co., Saml. C., 414 W. Water (Punching for Light Metal; Paper Punching; Perforating Binders') .....B
- 1252—Towsley Mfg. Co., Jno. T., Evans near Gest. (Glue Spreading) .....B
- 1253—Triumph Ice Machine Co., 610 Baymiller (Ice; Refrigerating) .....A
- 1254—Triumph Electric & Ice Machine Co. (Refrigerating) .....A
- 1255—Union Light & Heat Co., 2321 W. 8th (Acetylene Gas) .....X
- 1256—Watkins Laundry Machy. Co. (Ironing; Laundry) .....A
- OHIO—Cleveland**
- 1257—Acme Machy. Co. (Bolt Heading; Bolt Pointing; Bolt Upsetting; Forging; Nut Facing; Nut Finishing; Nut Tapping; Staybolt Threading; Taper Threading; Upsetting; Bolt Forging; Bolt; Nut) .....AA
- 1258—Ajax Mfg. Co., Lake & Wasson (Bending; Bulldozing; Bolt Heading; Bolt Pointing; Bolt Upsetting; Forging; Forming; Bending; Automatic Hot Forged; Hot Pressed Nut Tapping; Solid Die Hot Rivet; only Makers'; Upsetting; Wood Boring; Bolt; Nut)....AA
- 1259—Bardons & Oliver (Bicycle Hub) .....B
- 1260—Bartlett & Snow Co., C. O., French St. (Mixing; Barley; Carbon; Elevating; Conveying; Cement; Flour Mill; Drug; Fertilizer) .....B
- 1261—Battenfield Mfg. Co., Williamson Bldg. (Brick; Supplies) .....D
- 1262—Bishop & Babcock Co. (Bottle Filling) .....AA
- 1263—Brown Hoisting Machy. Co., 1345 St. Clair (Hoisting Steam Power; Coal; Ore Handling; Elevating; Conveying) .....AAAA
- 1264—Bultman & Co., F. H., 106 Canal (Gear Cutting) .....F
- 1265—Chandler & Price Co. (Printers; Paper Cutting) .....B
- 1266—Chase Machine Co., 111 Elm (Automatic Steam Towing) .....B
- 1267—Chisholm & Moore Mfg. Co., Lake, near Kirtland (Pneumatic Riveting) .....AA
- 1268—Chisholm & Sons, Wm., 358 Case Av. (Coal Hoisting; Handling; Ore Hoisting; Handling; Hoisting Steam Power) .....AAA
- 1269—Cleveland Automatic Machine Co., 131 2d Av. (Chucking; Automatic Screw; Worm Milling) AAA
- 1270—Cleveland Brewers' Supply Co., 317 Pearl (Barrel Washing) .....B
- 1271—Cleveland Elevator Bucket Co., 225 St. Clair (Elevating; Conveying) .....D
- 1272—Cleveland Laundry Mchy. Co., 124 Track (Carpet Cleaning) .....X
- 1273—Cleveland Punch & Shear Wks. Co., 156 Case Av. (Metal Cutting-Off; Hat Sewing; Pneumatic Riveting; Bollermakers' Punching; Gang Punching; Iron Shop Sawing) .....A
- 1274—Cummer & Son Co., F. D., The Arcade (Asphalt; Brick Dryers) .....A
- 1275—Drake Acetylene Burner & Supply Co., 37 Hathaway (Acetylene Gas) .....F
- 1276—Dyer & Co., E. H., New England Bldg. (Beet Washing; Slicing) .....AAA
- 1277—Dyer & Co., E. H., New England Bldg. (Beet Sugar) .....AAA
- 1278—Eilers Mfg. Co., H. P., 26½ S. Water (Bolt; Nut) .....X
- 1279—Engeln & Co., H. P., Rose Bldg. (Static Electric) .....D
- 1280—Eureka Machine Co. (Brewers' Branding; Keg Scrubbing; Pitching) .....D
- 1281—Francis, A. E., 780 Cedar Av. (Jewelers' Engraving) .....F

## APPENDIX—Machinery (1283-1321)

- 1283—Gerlach & Co., Peter, 28 Columbus (Barrel; Keg; Stave; Heading; Coopers'; Shingle Sawing).....A
- 1284—Harris Mfg. Co., 51 Middle (Acetylene Gas).....C
- 1285—Hart Mfg. Co., Wood, cor. St. Clair (Bolt Threading; Pipe Cutting; Threading).....B
- 1286—Kaltenbach & Griess (Elevating; Conveying).....B
- 1287—Loew Filter Co., 398 Erie (Bottlers'; Supplies).....C
- 1288—Loew Supply & Mfg. Co. (Bottle Soaking; Washing).....B
- 1289—Lord, Bowler & Co., 35 Centre (Stone Channeling).....C
- 1290—Lucas Machine Tool Co., Belden & Mason (Horizontal Boring; Drilling; Metal Boring; Horizontal Metal Boring; Milling).....C
- 1291—National Acetylene Gas Co., New England Bldg. (Acetylene Gas).....X
- 1292—National Acme Mfg. Co. (Multiple Spindle Automatic Screw).....AA
- 1293—Ohio Ceramic Engineering Co., 50 Fall (Dry; Repress Brick Press; Brick; Supplies).....B
- 1294—Ohio Electric Wks. (Dynamo; Electric).....D
- 1295—Oram, Jno. S., 160 Coe (Barrel; Keg; Stave; Heading; Coopers').....A
- 1296—Oster Mfg. Co., 85 E. Prospect (Pipe Cutting; Threading).....B
- 1297—Reade Mchy. Co., Amer. Trust Bldg. (Counter-sinking; Drilling; Boilermakers' Throat Punch; I Beam Punching; Punching; Shearing Combined; Riveting).....X
- 1298—Reliance Mach. & Tool Co., 31 W. Center (Nut Tapping; Bolt; Nut).....C
- 1299—Sly Mfg. Co., W. W. (Incorporator; Sand Mixing).....D
- 1300—Smith Fdry. Supply Co., J. D., 40 S. Water (Sand Mixing; Sand Molding).....D
- 1301—Standard Sand & Mach. Co., 1434 Superior (Sand Mixing).....C
- 1302—Standard Sewing Machine Co. (Buttonhole; Overseaming; Sewing; Sewing Double Needle; Sewing Fancy Stitch; Sewing Hand; Hat Sweat Stitching; Hem Stitch Sewing; Lock Stitch Sewing; Overseaming Sewing).....AAA
- 1303—Strong, Carlisle & Hammond Co., 61 Frankfort (Milling; Screw; Wood Tenoning; Wood Mortising; Wood Surfacing).....A
- 1304—Van Dorn & Dutton Co. (Street Railway Sweeping).....B
- 1305—Walker Co. (Boiler Shop; Cable Railroad; Carbon; Hydraulic).....X
- 1306—Walworth Run Fdry. Co., 883 Empress (Brick Cars).....C
- 1307—Warner & Swasey Co., 57 E. Prospect (Horizontal Boring; Drilling; Automatic Boring; Tapping; Chucking; Metal Boring; Valve Milling; Screw; Tapping).....A
- 1308—Wellman-Seaver-Morgan Engineering Co., New England Bldg. (Coal; Ore Handling).....AAAA
- 1309—White Sewing Machine Co., Rose Bldg. (Sewing; Sewing Boot; Shoe; Sewing Hand; Sewing Lock Stitch).....AAAA
- OHIO—Collinwood**
- 1310—Browning Engineering Co. (Coal; Ore Handling; Hoisting).....X
- OHIO—Columbiana**
- 1311—Enterprise Mfg. Co. (Ditching).....A
- OHIO—Columbus**
- 1312—Case Mfg. Co. (Electric; Hand Power Hoisting; Flour Mill; Rice Milling).....AA
- 1313—Columbus Machine Co., 223 W. Broad (Hand; Power Pipe Cutting; Threading).....A
- 1314—Gerlach & Co., Peter (Barrel Heading; Stave Sawing).....A
- 1315—Jeffrey Mfg. Co. (Ditching Railroad; Coal Hoisting; Handling; Coal Washing; Coal Mining Electric; Fertilizer; Oil Mill; Drying; Electric Coal Mining; Ore Handling; Coke Crushing; Elevating; Conveying; Ash Handling; Pulverizing).....AAAA
- 1316—Kilbourne & Jacobs Mfg. Co. (Ditching; Drainage; Earth Moving; Road Building).....AA
- 1317—Ohio Pump & Brass Co., Oak & 18th (Acetylene Gas).....C
- 1318—Ohio Tool Co. (Combination Saw; Dado; Flooring).....AA
- OHIO—Cuyahoga Falls**
- 1319—Turner, Vaughn & Taylor Co. (Double Acting Direct Steam Brick Press; Chain Testing; Wire Straightening; Cutting; Nail Mill; Chain Making).....B
- OHIO—Dayton**
- 1320—Buckeye Iron & Brass Wks. (Cutting Tobacco; Tobacco; Linseed; Cotton Seed Oil).....AA
- 1321—Callahan & Co., W. P. (Ice; Refrigerating; Cotton Seed Oil).....AA

## APPENDIX—Machinery (1322-1354)

- 1322—Davis Sewing Mach. Co. (Cloth Brushing; Sewing; Sewing Boot; Shoe; Sewing Hand; Sewing Lock Stitch).....AAA
- 1323—Dayton Globe Iron Wks. Co. (Paper Making; Power Transmission).....A
- 1324—National Labeling Mach. Co. (Kramer Bros., Props.) (Labeling).....C
- 1325—Gordon Tank Pump Co. (Confectioners').....E
- 1325½—Platt Iron Works Co. (Pumping; Abattoir, &c.).....AAAA
- 1326—Raymond Co., Chas. W. (Brick Press; Clay Tempering; Cement; Clay Washing; Brick; Supplies; Pottery).....A
- 1327—Seybold Machine Co. (Paper Cutting; Bookbinders; Backing).....A
- OHIO—Defiance**
- 1328—Defiance Machine Wks. (Band Sawing; Hoop; Sand Papering; Wood Shaping; Wood Tenoning; Rim; Felloe, &c.; Wood Bending; Wood Boring; Wood Mortising; Wood Polishing, also Handle; Felloe, &c.; Box Dressing; Box Setting; Carriage; Double Band Sawing; Felly; Hub Boring; Hub Mortising; Knife Balancing; Lumber Mill; Pulley Balancing; Spoke; Vertical Boring; Wagon; Shaft; Wheel; Handle; Bobbin; Wooden Dish; Barrel Hoop; Carriage Builders'; Pole; Shaft; Coopers').....AAA
- OHIO—Elyria**
- 1329—Western Automatic Mach. Screw Co. (Tapping).....AA
- OHIO—Freeport**
- 1330—National Light & Heating Co. (Acetylene Gas).....C
- OHIO—Galion**
- 1331—Freese & Co., E. M. (Brick Cutting; Brick Press; Brick; Supplies; Terra-Cotta; Tile).....C
- OHIO—Ghent**
- 1332—Purdy Machine Co. (Cane-Seat Chair; also Wood Seat Chair).....X
- OHIO—Hamilton**
- 1333—Bentel & Margedant Co. (Sand Drum; Sand Papering; Wood Shaping; Wood Tenoning; Wood Boring; Wood Mortising; Wood Sawing; Splitting; Spoke; Timber Gaining; Carriage Builders'; Planing Mill; Wheel).....A
- 1334—Black-Clawson Co. (Calendering; Clyinder; Ink Grinding; Plating Paper).....AAA
- 1335—Hooven, Owens & Reutschler Co. (Cable Railroad).....AAAA
- 1336—Long & Allstatter Co. (Bending; Coping; Forming; Bending; Disc Armature Notching; I Beam Punching; Multiple Punching; Riveting; Slitting Fire Welding; Welding).....AA
- 1337—Niles Tool Wks. Co. (Arch Bar Drilling; Chord Boring; Double Boring; Straightening Metal; Nut; Railroad Shop; Steam Forge; Switch; Frog Planing; Turret Boring; Universal Boring; Vertical Boring; Turning; Boiler Shop; Bridge Work; Car Builders'; Ship Yard).....AAAA
- 1338—Salzman Mfg. Co. (Blending; Sifting).....G
- OHIO—Lima**
- 1339—East Iron & Machine Co. (Gas).....A
- OHIO—Lindsay**
- 1340—Johnson-Keyt Mfg. Co. (Butter Dish; Hoop Cutting; Pointing; Lapping).....X
- OHIO—Mansfield**
- 1341—Aultman & Taylor Mach. Co. (Threshing).....AAAA
- 1342—Humphreys Mfg. Co. (Pneumatic Paint Spraying).....B
- 1343—Phoenix Electric Mfg. Co. (Electro-Plating).....B
- OHIO—Marion**
- 1344—Huber Mfg. Co. (Threshing).....AAA
- 1345—Marion Mfg. Co. (Threshing).....AA
- 1346—Marion Steam Shovel Co. (Dredging; Ditching; Drainage; Wrecking; Ditching Railroad).....AAA
- OHIO—Massillon**
- 1347—Russell & Co. (Threshing).....AAA
- OHIO—Medina**
- 1348—Root Co., A. I. (Honey Making).....AA
- OHIO—Mechanicsburg**
- 1349—Packham-Crimper Co. (Sheet Metal Workers'; Tools).....E
- OHIO—Miamisburg**
- 1350—Hoover & Gamble Co. (Twine; Cordage).....B
- OHIO—Middleport**
- 1351—Ohio Machine Co. (Brick; Supplies; Nail Mill).....C
- OHIO—Mt. Sterling**
- 1352—Carter Wire Fence Machy. Co. (Fence).....D
- OHIO—Mount Vernon**
- 1353—Cooper & Co., C. & G. (Threshing).....AA
- OHIO—Nelsonville**
- 1354—Nelsonville Fdry. & Mach. Co. (Elevating; Conveying).....B

# APPENDIX—Machinery (1355-1398)

<b>OHIO—Newark</b>	
1355—Scheidler Mach. Wks. Co. (Threshing).....	B
<b>OHIO—New London</b>	
1356—Arnold, D. J. C. (Brick; Supplies).....	X
1357—Arnold-Creager Co. (Brick; Supplies) .....	C
<b>OHIO—Norwalk</b>	
1358—Bowen Cable Stave Fence Co. (Fence).....	F
<b>OHIO—Painesville</b>	
1359—Coe Mfg. Co. (Veneer Cutting; Veneer Drying; Clipping) .....	A
1360—Horton Mfg. Co. (Brick Press; Brick Sanding; Brick; Supplies) .....	C
<b>OHIO—Piqua</b>	
1361—Poorman Mfg. Co. (Conductor Pipe; Eave Trough; Cornice Makers) .....	E
<b>OHIO—Plymouth</b>	
1362—Fate Co., J. D. (Brick Press; Brick; Supplies).B	
1363—Root Bros. Co. (Hand Riveting).....	B
<b>OHIO—Port Clinton</b>	
1363½—Ohio Pump Co. (Pumping) .....	X
<b>OHIO—Portsmouth</b>	
1364—Simpson Bros. (Fire Brick Press; Brick Molds)	D
<b>OHIO—Salem</b>	
1365—Buckeye Engine Co. (Gas Engine).....	AAA
1366—Clark Co., W. J. (Coal Hoisting; Handling; Conveying) .....	B
1367—Deming Co. (Horse Power Pumping).....	AA
1368—Silver Mfg. Co. (Band Sawing; Boxing; Hub Boring; Spoke) .....	AA
<b>OHIO—Sandusky</b>	
1369—Klotz Machine Co. (Wood Shaping; Wood Tenoning; Wood Polishing; Carriage Builders').....	C
1370—Sandusky Tool Co. (Coopers').....	A
1371—Warren Electric Mfg. Co. (Laundry) .....	A
<b>OHIO—Shelby</b>	
1372—Brightman Mfg. Co. (Shaft Polishing; Shaft Straightening) .....	AA
<b>OHIO—Sidney</b>	
1373—Sidney Steel Scraper Co. (Ditching).....	B
<b>OHIO—Springfield</b>	
1374—Foos Mfg. Co. (Grinding) .....	A
1375—Green Mfg. Co. (Street Sweeping) .....	F
1376—Kelly Co., O. S. (Pick-Up Street Sweeping; Feed Milling) .....	AA
1377—Owen Mach. Tool Co. (Plain; Universal Milling)	B
1378—Long, W. Z. (Pop-Corn) .....	D
1379—Rogers Iron Co. (Cutting Tobacco) .....	B
1380—Safety Emery Wheel Co. (Emery Wheel; Buffing; Polishing) .....	A
1381—Shawver Co. (Wood Fluting; Wood Twisting; Molding, &c.) .....	D
1382—Springfield Mach. Tool Co. (Crank; Geared Shaping) .....	A
1383—Warder, Bushnell & Glessner Co. (Harvesting)	AAAA
1384—Webster & Perks Tool Co. (Bolt Threshing; Grinding; Self-Oiling; Buffing; Polishing; Sand Molding; Nut Tapping; Bicycle Threading).....	C
1385—Western Mfg. Co. (Metal Cutting-Off; Cylinder Boring) .....	D
<b>OHIO—Stuebenville</b>	
1386—Means Foundry & Machine Co. (Brick Press; Brick; Supplies) .....	B
<b>OHIO—Tiffin</b>	
1387—Loomis Machine Co. (Well Sinking) .....	AA
1388—National Machinery Co. (Bolt Heading; Bolt Pointing; Bolt Threading; Bolt Upsetting; Bolt & Pin; Forming & Bending; Nut Blanking; Nut Facing; Nut Milling; Nut Tapping; Pipe Threaders; Screw Slotting; Slitting; Upsetting; Washer Cutting; Bolt Forging; Forging & Bending; Glass Banding; Glass Cracking-off; Glass Grinding; Rivet; Spike; Washer; Bolt & Nut; Wire Nail) .....	AA
1389—Sterling Emery Wheel Mfg. Co. (Buffing; Polishing) .....	A
1390—Tiffin Wagon Co. (Brick; Supplies) .....	A
<b>OHIO—Toledo</b>	
1391—Baker Bros. (Cylinder Boring; Drilling & Tapping; Key-Seating; Key-Way; Metal Boring; Rod; Pin; Dowel; Tapping) .....	A
1392—Haughton Elevator & Mach. Co., 116 S. Huron (Elevating; Conveying) .....	B
1393—Heartley, Geo. W. (Metal Boring; Riveting, for Metal Wheels; Sheet Metal Workers' & Tools; Slitting; Tire Welding; Carriage Builders') .....	D
1394—Kent Machine Co. (Match Box; Match).....	B
1395—Merrill Mfg. Co. (Pipe Cutting; Threading; Pipe Nipple) .....	B
1396—Ross & Co., E. (Carpet Rug).....	A
1397—Stevens Co., B. A. (Butchers').....	A
1398—Toledo Mach. & Tool Co. (Car Testing; Double	

## APPENDIX—Machinery (1399-1428)

- Seaming; Riveting; Sheet Metal Workers' & Tools; Shipping Tag; Slitting; Soldering; Wiring).....A  
 1399—Vulcan Iron Works (Ditching; Ice & Refrigerating; Coal Hoisting & Handling; Horse Power Hoisting; Steam Power Hoisting) .....A  
*OHIO—Upper Sandusky*  
 1400—National Steam Pump Co. (Combination Bolt Clipper; Bolt Wrench; Fire Bolt Holder).....B  
*OHIO—Wapakoneta*  
 1401—Brown & Co., M. F. (Dairy).....A  
*OHIO—Warren*  
 1402—Excelsior Hoisting Machinery Co. (Coal; Ore Handling) .....X  
*OHIO—Wellington*  
 1403—Wellington Machine Co. (Brick Mold Sanding; Brick; Supplies; Brick Press).....B  
*OHIO—Wellsville*  
 1404—Stevenson Co. (Tin Plate; Brick; Supplies; Can Makers'; Rolling Mill).....B  
*OHIO—Westerville*  
 1405—Bennett & Co., H. L. (Tile Ditching).....E  
*OHIO—Willoughby*  
 1406—American Machinery Co. (Bolt Heading; Threading; Hot Pressed Nut, &c.).....X  
*OHIO—Wilmington*  
 1407—Irwin Auger Bit Co. (Conveying).....B  
*OHIO—Xenia*  
 1408—Kelly Machine Co., R. A. (Crank Shaping; Crank Shafting; Cordage) .....A  
*OHIO—Youngstown*  
 1409—Tod & Co., Wm. (Water Works; Pumping).....AA  
 1410—Youngstown Foundry & Mach. Co. (Rolling Mill).....C

- OREGON—Astoria*  
 1411—Astoria Iron Works (Inc.) (Canning).....A  
 1412—Scow Bay Iron & Brass Works (Cane Seat Chair).....X

- PA.—Allegheny*  
 1413—Albree Iron Works, Chester B., 1115 Market (Pneumatic Riveting) .....B  
 1414—Carlin Machinery & Supply Co., 103 Lacock (Elevating; Conveying; Hoisting) .....A  
 1415—Carlins' Sons Co., Thos. (Coal; Ore Handling).....A  
 1416—Eagle Tool & Machine Co., 120 Sandusky (Gear Cutting; Special Tools; Machinery) .....F  
 1417—Pittsburg Machine Tool Co. (Car Wheel Boring) .....A  
*PA.—Allentown*  
 1418—Allentown Foundry & Mach. Works (Water Works Pumping; Wine Pumping) .....A  
 1419—Grammes & Sons, L. F. (Cigar Box, &c.; Board Printing; Box Nailing; Card Cutting; Cutting-off; Wood; Embossing, for Wood, Paper, Cloth, Silk, &c.; Paper Cutting; Rip Saw; Sand Papering; Wood Sawing & Splitting; Wooden Box; Brush Nailing; Printers') .....B  
 1420—Mosser & Son, Wm. F. (Cement Rotary Crushers; Bark Mills) .....A  
*PA.—Ashland*  
 1421—Goyne Steam Pump Works (Wine Pumping).....B  
*PA.—Bangor*  
 1422—Flory Mfg. Co., S. (Elevating; Conveying)....A  
*PA.—Beaver*  
 1423—Beaver Mfg. Co. (Acetylene Gas).....X  
*PA.—Beaver Falls*  
 1424—Keystone Driller Co. (Artesian Well; Traction Drilling; Well Sinking; Mineral Prospecting).....A

*The oldest manufacturers of portable drillers. Water Well Machines. They embody the result of 30 years' experience in drilling and drill making. Traction and Non-traction styles, 100 to 1,000 foot capacity.*

*Oil Well Rigs, 1,000 to 3,000 feet. The simplest, strongest and speediest deep well drillers sold. Used throughout the Pennsylvania oil fields.*

*Mineral Prospecting Machines. Used in testing for Gold, vinc. Coal, etc. Make 8-inch hole through anything. Bring everything to the surface. Sectionalised for transportation in rough country.*

*Contractors' Machine for making large Blast Holes, Air Holes for Shafts, Bridge Pier Soundings, etc.*

- PA.—Bellefonte*  
 1425—Jenkins & Lingle (Axe Factory).....D  
*PA.—Birdsboro*  
 1426—Diamond Drill & Mach. Co. Belt Lacing; Well Sinking) .....A  
*PA.—Blue Ball*  
 1427—Shirk, P. E. (Wrapper Cutting; Cigar Box)....D  
*PA.—Pristol*  
 1428—Ardrey & Sons, S. B. (Cloth Brushing; Napping) .....F

# APPENDIX—Machinery (1429-1471)

<i>PA.—Brownsville</i>	
1429—Herbertson's Sons, J. (Oil Well).....	D
<i>PA.—Carbondale</i>	
1430—Carbondale Machine Co. (Ice; Refrigerating)...	AA
1431—Hendrick Mfg. Co. (Ltd.) (Perforated Sheet Metal) .....	AA
<i>PA.—Chambersburg</i>	
1432—Chambersburg Engineering Co. (Riveting; Hydraulic Riveting) .....	A
1433—Wolf Co. (Inc.) (Gear Cutting) .....	AA
1434—Woods' Sons, T. B. (Pulley Molding; Wood Molding) .....	A
<i>PA.—Chester</i>	
1435—Chester Steel Casting Co., 407 Sansom (Br. Phila.) (Locomotive; Electric Machinery; Rolling & Sugar Mills; Castings) .....	AAA
1436—Stevenson Co. (Ltd.) (Ice Recording) .....	B
1437—Vulcan Works (Cement) .....	B
<i>PA.—Clearfield</i>	
1438—Clearfield Machine Shops (Ltd.) (Fire Brick; Press) .....	D
1439—Gearhart & Son, Joseph E. (Family Knitting)...	C
<i>PA.—Coatesville</i>	
1440—Ridgway & Son Co., Craig (Hydraulic).....	A
<i>PA.—Columbia</i>	
1441—Smith, E. G. (Power Reaming).....	D
1442—Wilson Laundry Mach. Co. (Tumbling; Laundry) .....	A
<i>PA.—Connellsville</i>	
1443—Boytz, Porter & Co. (Wine Pumping).....	A
1444—Connellsville Mach. & Car Co. (Brick; Supplies; Coke Crushing) .....	A
<i>PA.—Downingtown</i>	
1445—Downingtown Mfg. Co. (Ltd.) (Paper Mill)..	B
<i>PA.—East Downingtown</i>	
1446—Downingtown Mfg. Co. (Ltd.) (Paper Making)	B
<i>PA.—Du Bois</i>	
1447—Du Bois Iron Works (Elevating; Conveying)	AAAA
<i>PA.—Lake Centre</i>	
1448—Irvine, A. T. (Oil Well).....	X
<i>PA.—Ellwood City</i>	
1449—Standard Engineering Co. (Pipe Threading)...	AA
<i>PA.—Erie</i>	
1450—Brown Folding Mach. Co. (Paper Folding)...	B
1451—Chapman Separator Works, C. L. (Dairy).....	D
1452—Erie City Iron Works (Dynamo; Electric).....	AAAA
1453—Erie Machine Shops (Asphalt).....	B
1454—Erie Specialty Co. (Chill Shaking, for Milk Lemonade, &c.; Tobacco Cutting) .....	B
1455—Jarecki Mfg. Co. (Pipe Cutting; Threading; Pipe; Screw Plate) .....	AAAA
1456—Burke Electric Co. (Dynamo, Electric) .....	A
1457—Stearns Mfg. Co. (Lath; Saw Mill).....	AA
1458—Williams Tool Co. (Pipe Cutting; Threading)..	B
<i>PA.—Frankford</i>	
1459—Frankford Machine Works (Calico Printers')..	X
<i>PA.—Hanover</i>	
1460—American Foundry & Machine Co. (Pulley Molding) .....	X
<i>PA.—Harrisburg</i>	
1461—Harrisburg Foundry & Mach. Works (Road Building) .....	A
1462—Hickok Mfg. Co., W. O. (Bookbinders'; Backing; Case Binding; Gold Sizing; Paper Ruling, Paging; Numbering; Backing; Perforating; Sawing; Eye-letting; Self-Feed; Stabbing; Striker; Lapper)...	AA
<i>PA.—Holidaysburg</i>	
1463—McLanahan-Stone Machine Co. (Phosphate Washing; Coal; Ore Handling; Elevating; Conveying)...	A
<i>PA.—Kennett Square</i>	
1464—American Road Machine Co. (Ditching; Street Sweeping; Road; Elevating; Conveying).....	AA
1465—Good Roads Machinery Co. (Crushing; Ditching; Screening; Street Sweeping; Elevating; Conveying) .....	D
<i>PA.—Lancaster</i>	
1466—Champion Blower & Forge Co. (Bench Boring)	AA
1467—Martin, Wm. R. (Cement).....	B
1468—Martin Brick Mach. Mfg. Co., Henry (Brick Press; Brick; Supplies; Elevating; Conveying).....	B
1469—Potts, David H. (Air Moving) .....	D
<i>PA.—Lebanon</i>	
1470—American Iron & Steel Mfg. Co. (Bolt Pointing) .....	AAAA
<i>PA.—Landsdowne</i>	
1471—Howard Foundry & Machine Works (Buckram; Carpet; Hoisting; Dyeing; Felt; Box; Hydraulic; Metal Printing; Engraving; Mint; Paper Making; Printers'; Road Building; Street Cleaning).....	D

# APPENDIX—Machinery (1472-1508)

<i>PA.—Lansdale</i>	
1472—Heebner & Sons (Threshing) .....	A
<i>PA.—Lanesboro</i>	
1473—Barnes Mfg. Co. (Quarry) .....	B
<i>PA.—Lansdale</i>	
1474—Heebner & Sons (Saw Mill) .....	A
<i>PA.—Lebanon</i>	
1475—Weimer Machine Tool Co. (Pig Iron Casting; Blast Furnace; Sugar) .....	AA
<i>PA.—Lewisburg</i>	
1476—Sober, C. K. (Acetylene Gas) .....	B
<i>PA.—Mauch Chunk</i>	
1477—Stroh, W. H. (Coal Washing) .....	C
<i>PA.—Meadville</i>	
1478—Meadville Vise Co. (Cylinder Boring; Cylinder Metal Boring) .....	A
<i>PA.—Mechanicsburg</i>	
1479—Comstock, Geo. S. (Coal Washing) .....	C
<i>PA.—Media</i>	
1480—Wood, Wm. H. (Forming; Bending; Hydraulic Riveting; Portable Riveting) .....	D
<i>PA.—Milton</i>	
1481—Shimer & Sons, Samuel J. (Spiral Molding) ..	A
<i>PA.—Monroeton</i>	
1481 1-2—Booth & Co., O. N. (Boring; Pointing) ....	D
<i>PA.—Montgomery</i>	
1482—Houston & Levi Co. (Br. Amer. Woodworking Mach. Co., N. Y. City) (Sash; Door; Blind) ..	AAAA
<i>PA.—Montrose</i>	
1483—Beach, H. W. (Mitreing; Sawing) .....	B
<i>PA.—Muncy</i>	
1484—Sprout, Waldron Co. (Bolting; Corn Mill; Flour Mill) .....	A
<i>PA.—Norristown</i>	
1485—Rittenhouse, Frank (Confectioners') .....	F
1486—Rothe Mfg. & Supply Co., O. & P. (Bleaching) ..	E
<i>PA.—Philadelphia</i>	
1488—Acme Staple Co., 500 N. 12th (Staple) .....	X
1489—Allen & Co., S. L., 1017 Market (Tobacco Hoing) .....	AA
1490—Altemus, Jacob K., 2816 N. 4th (Carpet Roll- ing; Carpet) .....	C
1491—Alteneder & Sons, Theo., 945 Ridge Av. (Grad- uating) .....	D
1492—American Carbide Lamp Co., Phila. Bourse (Ace- tylene Gas) .....	D
1493—American Drying Machinery Co., Westmoreland & P. & R. Ry. (Yarn Scouring) .....	D
1494—Atlantic Works (Inc.), 23d & Arch (Circular Sawing, Wood; Cutting-off, Wood; Dado; Panel Raising; Post Boring; Rip Saw; Rod, Pin & Dowel; Sand Papering; Saw Sharpening; Wood Shaping; Wood Tenoning; Wood Boring; Wood Flooring; Wood Mortising; Wood Surfacing; Bookbinders') ..	B
1495—Barker, James (Card Grinding) .....	A
1496—Barr Pumping Engine Co. (Water Works Pump- ing) .....	A
1497—Beck Paper Co., Chas. (Paper Box) .....	B
1498—Bement, Niles & Co. (Br. N. Y. City) (Arch Bar Drilling; Axle Finishing; Link Drilling; Nut; Railroad Shop; Steam Forge; Boring & Turning; Vertical; Boiler Shop; Bolt; Bridge Work; Brass Working; Car Builders'; Ship Yard) .....	AAAA
1499—Berger Bros. Co., 237 Arch (Sheet Metal Work- ers') .....	A
1500—Bilgram, Hugo, 12th & Noble (Internal Gear Cutting) .....	A
1501—Borchers & Co., Richard C., 1708 G'tn. Av. (Napping) .....	D
1502—Branson Mach. Co., 504 N. American (Incand. Gas Mantle; Hand Knitting; Automatic Knitting; Boot Knitting) .....	A
1503—Brill Co., J. G., 62d & Woodland Av. (Street Railway Sweeping) .....	AAAA
1504—Brinton & Co., H., 213 Race (Seamless Knit- ting) .....	AA
1505—Butterworth & Sons Co., H. W., 2415 E. York (Blacking; Blueing; Calendering; Carpet Finishing; Cloth Brushing; Cloth Finishing; Cloth Rolling; Cloth Measuring; Crabbing; Band Cutting-off, Wood; Drying, Print Work; Padding; Textile Shearing; Singeing; Sizing; Tenting; Wool & Worsted Fin- ishing; Wool Scouring; Wool Willowing; Cloth Cal- endering; Cotton Finishing; Drying; Lath; Worsted Finishing; Bleaching; Calico Printers'; Carpet; Dye- ing) .....	A
1506—Campbell, P. F. (Drug & Chemical Bolting; Cem- ent; Fertilizer; Putty; Lead) .....	D
1507—Carnell, George (Est. of), 1819 N. 5th (Fire & Red Brick Press; Clay Tempering; Brick; Supplies) ..	B
1508—Challenge Machine Co., 3223 Turner (Grinding) ..	D

## APPENDIX—Machinery (1509-1554)

- 1509—Chambers Bros. Co., 52d, below Lancaster Av. (Brick Press; Paper Folding, for Printers, Bookbinders, &c.; Glossing; Varnishing; Pasting; Sawing) .....AA
- 1510—Champion Candy Mach. Co., 3257 Old York Rd. (Candy) .....B
- 1511—Champion Machine Co. (Crocheting) .....C
- 1512—Colladay, Joseph A., 624 Race (Band Sawing; Wood Shaping; Wood Molding) .....B
- 1513—Contractors' Tool Co., 118 S. 6th (Asphalt) ...F
- 1514—Cox & Sons' Co., 215 Race (Pipe Cutting; Threading; Ice) .....B
- 1515—Cresson Co., Geo. V., 18th & Allegheny Av. (Cement) .....AA
- 1516—Cunningham Mfg. Co., 113 S. 7th (Bottlers; Supplies) .....B
- 1517—Dallett Co., Thos. H., York & Sedgley (Electric Portable; Horizontal Boring; Drilling; Centre Grinding; Electric Portable Shaft Key-Seating; Pneumatic Riveting; Stone Cutting; Pneumatic Stone Surfacing; Portable & Boiler Shell Drilling) .....B
- 1518—Diamond Textile Machine Works, 2d & Diamond (Carpet) .....F
- 1519—Dill Machine Co. (Inc.), T. C. (Slotting) ....F
- 1520—Diaston & Sons (Inc.), Henry (Saw Sharpening; Circular Saw, Hand Power) .....AAAA
- 1521—Dodge Coal Storage Co., Nicetown (Coal & Ore Handling) .....A
- 1522—Espan-Lucas Machine Works, Broad & Noble (Cold Metal Cutting-off; Metal Sawing, &c.; Boring; Milling; Drilling, &c.) .....D
- 1523—Etting, Edw. J., Land Title Bldg. (Sand Molding) .....B
- 1524—Evans' Sons, Jno., 13th & Buttonwood (Car; Carriage Spring; Farmers'; Flashing; Slating; Striking-out; Buffing; Polishing; Light & Heavy Spring Coiling; Spring Testing) .....B
- 1525—Franklin Machine Works (Inc.) (Printers')...X
- 1526—Furbush & Son Mach. Co., M. A. (Carpet; Woolen) .....A
- 1527—Girard Mach. & Tool Co., 2616 Girard Av. (Cork Sticking; Dating; Labeling; Lidding; Packing; Snuff Packing in Bottles) .....C
- 1528—Gleason Spoke, Lathe & Machinery Co., 2d & Diamond (Wood Molding) .....X
- 1529—Gliem & Co., F. H., 1037 Ridge (Gear Cutting) .....D
- 1530—Globe Machine Works, Frankfort (Hammer; Hatchet) .....X
- 1531—Gordon, W. J., 235 Broad (Sheet Metal Workers'; Tools) .....D
- 1532—Griscom & McFeeley (Flour Mill) .....C
- 1533—Hutton's Sons, Thos. (Silk) .....A
- 1534—Harrington, Son & Co., Edwin, 1515 Penn Av. (Gear Cutting; Metal Boring) .....AA
- 1536—Horton, Pembroke D., 15th & Fairmount (Bakers') .....X
- 1537—Jefferson & Bro., Edw., 127 S. 2d (Carpet) ...D
- 1538—Johnson, Jr. & Co., Israel H., 1424 Callowhill (Metal Sawing; Pipe Cutting; Threading; Screw) ...A
- 1539—Jones, Lewis, 60 1-2 Media (Cloth Brushing; Napping) .....AA
- 1540—Kennedy, Ralph M., 117 N. 7th (Band Sawing) .....X
- 1541—Keystone Type Foundry Co. (Paper Ruling) ...AA
- 1542—Klein, Chas. C., 2850 N. Marshall (Sizing) ...D
- 1543—Liberman, Isadore, 223 S. 5th (Cigar) .....F
- 1544—Link Belt Engineering Co., Nicetown (Coal & Ore Handling; Elevating; Conveying; Coal Hoisting) .....A
- 1545—Mills & Bro., Thos., 1301 N. 8th (Confectioners') .....A
- 1546—Moore & White Co., 15th & Lehigh Av. (Fourdriner & Cylinder Paper; Linoleum & Floor Cloth Printing; Rolling Mill; Paper Making; Roofing Paper Saturating) .....AA
- 1547—Morris, Henry G., 333 Walnut (Cane Shredding; Sugar; Centrifugal) .....B
- 1548—Morris, P. Hollingsworth, Phila. Bourse (Pipe Cutting; Threading) .....C
- 1549—Morse, Williams & Co. (Bell Power Hoisting; Hand Power Hoisting; Horse Power Hoisting) ...AA
- 1550—Mulford Co., H. K., 412 S. 13th (Granulating; Tablet; Capsule) .....AAA
- 1551—Moyer & Co., J. W., 1736 N. Howard (Elevating; Conveying) .....D
- 1552—National Automatic Knitter Co. (Automatic Knitting) .....B
- 1553—Nazel Machine Tool Works, 1042 Ridge Av. (Centering; Portable Key-Seating) .....E
- 1554—Newton Machine Tool Works (Inc.), 2343 Vine (Cold Saw Sharpening; Metal Cutting-off; Cylinder Boring; Die Sinking; Die Sinking & Milling,



## APPENDIX—Machinery (1555-1583)

- Combined; Gear Cutting; Metal Boring; Cold Metal Sawing; Horizontal, Vertical & Universal Milling; Nut Facing; Nut Milling; Pulley Hub Drilling & Tapping; Rail Ending; Rail Sawing; Shaping; Iron Shop Sawing; Slotting; Tapping; Cutting-off Saw; Journal Box Shaping; Metal Band Sawing; Vertical Boring) .....AA
- 1555—Nittinger, August (Cutting, Fat) .....A
- 1556—Nye & Fredick Co., 606 Arch (Circular Rib Knitting) .....D
- 1557—North Bros. Mfg. Co., Lehigh Av. & American (Fluting; Tobacco Cutting) .....AA
- 1558—Olsen, Tinius & Co., 500 N. 12th (Cement Testing; Oil Testing; Hydraulic; Chain Testing; Marble Molding & Countersinking; Testing; Wire Testing; Impact Testing; Leather Testing; Paper Testing; Cloth Testing) .....B
- 1559—Ott, Geo. F., 209 Buttonwood (Ice; Refrigerating) .....A
- 1560—Paxson Co., J. W., 1021 N. Delaware Av. (Sand Blast, for Cleaning Steel & Castings; Sand Mixing; Sand Molding) .....AA
- 1561—Pedrick & Ayer Co., 1001 Hamilton (Crank Boring; Cylinder Boring; Metal Boring; Milling; Pneumatic Riveting) .....A
- 1562—Peerless Belt Lacing Mach. Co., cor. Swanson & Moore (Belt Lacing) .....E
- 1563—Penna. Globe Gaslight Co., Broad & Arch (Gas) .....A
- 1564—Penna. Iron Works Co., 50th & Lancaster Av. (Ice; Refrigerating; Hydraulic Riveting) .....AAA
- 1565—Phila. Drying Machinery Co., 6721 Germantown Av. (Yarn Scouring; Tobacco Drying) .....D
- 1566—Phila. Pneumatic Tool Co., 21st & Allegheny Av. (Pneumatic Riveting; Pneumatic Yoke Riveting; Pneumatic Wood Boring) .....B
- 1567—Phila. Roll & Mach. Co., 23d & Washn. Av. (Wire Nail; Rolling Mill; Hydraulic Riveting; Hot Sawing; Tin Plate; Straightening; Metal; Pipe) ...A
- 1568—Phila. Textile Machinery Co., Hancock & Somerset (Burring; Garnett; Wool Willowing; Yarn Scouring; Drying, Tobacco) .....AA
- 1569—Pennsylvania Crusher Co., Stephen Girard Bldg. (Coal Crushers; Coke Crushers) .....X
- 1570—Power & Co., L., 20 S. 23d (Band Sawing; Car Boring; Cutting-off, Wood; Rip Saw; Wood Boring; Wood Mortising; Wood Molding; Bench Boring; Cross-Cut Saw; Tenoning; Vertical Boring; Boxmakers'; Sash; Door; Blind; Planing Mill; Furniture) .....AA
- 1571—Queen & Co. (Inc.), 1010 Chestnut (Static Electric) .....AA
- 1572—Reid Creamery & Dairy Supply Co., A. H. (Testing, Milk) .....A
- 1573—Riehle Bros. Testing Machine Co., 1424 N. 9th (Cement Testing; Marble Molding & Countersinking; Testing) .....B
- 1574—Rutschmann Bros. (Soap) .....C
- 1575—Schaum & Uhlinger (Piano; Jacquard; Silk; Card Stamping, Power; Repeating) .....AAA
- 1576—Scott & Williams, 2079 E. Cumberland (Knit Goods Finishing) .....A
- 1577—Sellers & Co. (Inc.), Wm., 1600 Hamilton (Bolt Screwing; Grinding; Car Wheel Boring; Cylinder Boring; Drill Pointing; Facing Machines; Forcing; Gear Cutting; Metal Boring; Milling; Pneumatic Riveting; Multiple Punching; Punching & Shearing; Combined; Quartering; Rail Bending & Straightening; Riveting; Hydraulic Riveting; Portable Riveting; Steam Riveting; Sand Mixing; Shaft Straightening; Shaping; Slabbing; Slotting; Hydraulic Testing; Traction Testing; Arch Bar Drilling; Floor Boring; Hoisting & Handling; Horizontal Milling; Plate Straightening; Mixing; Switch & Frog Planing) .....AAAA
- 1578—Sheip Mfg. Co., H. H., Col. Av. & Rand (Packing Box Stock Trimming) .....AA
- 1579—Smith, Drum & Co., 2503 Canal (Singeing) .....B
- 1580—Smith Woolen Machinery Co., James (Spinning; Garnett; Burring; Balling; Woolen; Card Grinding; Garnett & Card, Combined; Hank Winding; Napping; Wool Scouring; Wool Willowing; Cloth Cutting; Pickering; Wool Washing) .....AA
- 1581—Southwark Foundry & Mach. Co. (Rolling Mill; Wine Pumping; Hydraulic) .....AAA
- 1582—Stokes & Parrish Elevator Co. (Hoisting, Steam Power; Hydraulic) .....A
- 1583—Stow Flexible Shaft Co., N. 26th cor. Buttonwood (Portable Boring; Buffing & Polishing; Crank Pin Turning; Portable Cylinder Boring; Glass Polishing; Metal Boring; Portable, Wood & Metal Polishing; Portable Tapping & Reaming; Valve Seat Planing) .....B

## APPENDIX—Machinery (1585-1633)

- 1585—Taylor, James, 835 Arch (Hosiery Knitting; Yarn Raveling) .....C  
 1586—Teal, Chas. A., 1361 Ridge Av. (Elevating; Conveying) .....X  
 1587—Thompson & Campbell (Cement; Chocolate; Glue; Wheat Polishing; Flour Mill; White Lead Wks.)...X  
 1588—Tilghman, B. C. & R. A., 1126 S. 11th (Sand Blast) .....B  
 1589—Twitchell Co., S. (Bottling; Corking; Filling)...A  
 1590—Underwood & Co., H. B., 1023 Hamilton (Crank Pin Turning; Portable Cylinder Boring; Portable Milling; Valve Seat Milling) .....B  
 1592—Walter's Sons, Wm. P., 1233 Market (Mitreing; Vise Combined) .....B  
 1593—Walton, P. M. (Chocolate) .....G  
 1594—Wenzell Machine Co., S. S., 443 N. 12th (Bottle Washing; Rinsing) .....C  
 1595—Wirz, A. H. (Hand Pill) .....A  
*P.A.—Pittsburg*  
 1597—Amer. Bedding & Machy. Co. (Filling Machines) .....X  
 1598—Bailey-Farrell Mfg. Co., 619 Smithfield (Smoke Test) .....AA  
 1599—Baird Machy. Co., U. (Iron; Wood Working)...A  
 1600—Carron & Co., A. M., 108 Market (Pneumatic Riveting) .....D  
 1601—Diescher Coupler Co., 41st & A. V. Ry. (Cork Cutting) .....D  
 1602—Fisher Fdry. & Machine Co. (Glass Works; Plate Glass) .....A  
 1603—Hand-Stitch Broom Sewing Mach. Co. (Broom Sewing) .....B  
 1604—Heyl & Patterson, 51 Water (Slag; Cinder for Blast Furnaces; Coal Washing; Elevating; Conveying for Mine; Steel Plants) .....A  
 1605—Hickman-Melborn Co., 200 Liberty (Screw Cutting; Vise Combined) .....A  
 1606—Hogg Iron & Steel Fdry. Co., Geo. A., 24th & R. R. (Furnace Charging for Annealing Furnaces)...A  
 1607—Lewis Fdry. & Machine Co., 1001 Bingham (Corrugating; Hot Sawing) .....A  
 1608—McCormack Co. J. S., 25th & A. V. Ry. (Core Making; Automatic Sand Molding) .....B  
 1609—Mackintosh-Hemphill & Co. (Ltd.) (Rolling Mill) .....AAA  
 1610—Marshall Bros. (Hoisting; Steam Power)....AA  
 1611—Mesta Machine Co. (Rolling Mill; Tin Plate)...AAA  
 1612—Milholland, J. & J. B. (Hoisting; Steam Power) .....A  
 1613—Mould Co., Henry S., Empire Bldg. (Briquetting) .....B  
 1615—Oil Well Supply Co. (Oil Well; Well Sinking)...AAAA  
 1616—Phillips & McLaren, 24th & Smallman (Bolt Nut) .....B  
 1617—Pittsburg Mfg. Co., 28th & R. R. (Bending; Straightening; Metal Straightening; Nut; Spike)...A  
 1618—Pittsburg Mfg. Co. (Bending; Nail Mill).....A  
 1619—Pittsburg Tool & Drop Forge Co., Arrott Bldg. (Rail Bending; Straightening) .....D  
 1620—Rees & Sons Co., Jas. (Hoisting Steam Power; Ship Yard) .....AA  
 1621—Riter-Conly Mfg. Co. (Mixing) .....AAA  
 1622—Scaife Fdry. & Machine Co., 28th & Smallman (Hot Sawing; Cold Metal Sawing; Blast Furnace; Coal Mining; Coal Washing; Elevating; Conveying) .....B  
 1623—Simonds Mfg. Co., 25th & Liberty (Car Wheel Truing) .....D  
 1624—Sommerfeld Mach. & Mfg. Co., R. G., 224 3d Av. (Glass Blowing) .....B  
 1625—Tate, Jones & Co., Empire Bldg. (Link Belt Appliances) .....E  
 1626—United Engineering & Fdry. Co., 54th & A. V. Ry. (Corrugating; Hot Sawing; Pipe Cutting; Threading; Tapping for Tube Mills) .....AAAA  
 1627—Westinghouse Electric & Mfg. Co. (Electric Coal Mining. &c.) .....AAAA  
*P.A.—Pittston*  
 1628—Exeter Machine Wks. (Coal Mining; Coal; Ore Handling; Elevating; Conveying) .....AA  
*P.A.—Pottstown*  
 1629—Ellis Keystone Agrl. Wks. (Threshing).....B  
*P.A.—Reading*  
 1630—Boss Knitting Machine Wks. (Seamless Knitting; Automobile) .....B  
 1631—Penn. Hdw. Co. (Tobacco Cutting).....AA  
 1632—Reading Iron Co. (Refrigerating; Rolling Mill) .....AAAA  
 1633—Textile Machine Wks. (Braiding; for Insulating Electric Wires) .....C

# APPENDIX—Machinery (1585-1633)

1585—Taylor, James, 835 Arch (Hosiery Knitting; Yarn Raveling)	C
1586—Teal, Chas. A., 1361 Ridge Av. (Elevating; Conveying)	X
1587—Thompson & Campbell (Cement; Chocolate; Glue; Wheat Polishing; Flour Mill; White Lead Wks.)	X
1588—Tilghman, B. C. & R. A., 1126 S. 11th (Sand Blast)	B
1589—Twitchell Co., S. (Bottling; Corking; Filling)	A
1590—Underwood & Co., H. B., 1023 Hamilton (Crank Pin Turning; Portable Cylinder Boring; Portable Milling; Valve Seat Milling)	B
1592—Walter's Sons, Wm. P., 1233 Market (Mitreing; Vise Combined)	B
1593—Walton, P. M. (Chocolate)	G
1594—Wenzell Machine Co., S. S., 443 N. 12th (Bottle Washing; Rinsing)	C
1595—Wirz, A. H. (Hand Pill)	A
P.A.—Pittsburg	
1597—Amer. Bedding & Machy. Co. (Filling Machines)	X
1598—Bailey-Farrell Mfg. Co., 619 Smithfield (Smoke Test)	AA
1599—Baird Machy. Co., U. (Iron; Wood Working)	A
1600—Carron & Co., A. M., 108 Market (Pneumatic Riveting)	D
1601—Diescher Coupler Co., 41st & A. V. Ry. (Cork Cutting)	D
1602—Fisher Fdry. & Machine Co. (Glass Works; Plate Glass)	A
1603—Hand-Stitch Broom Sewing Mach. Co. (Broom Sewing)	B
1604—Heyl & Patterson, 51 Water (Slag; Cinder for Blast Furnaces; Coal Washing; Elevating; Conveying for Mine; Steel Plants)	A
1605—Hickman-Melhorn Co., 200 Liberty (Screw Cutting; Vise Combined)	A
1606—Hogg Iron & Steel Fdry. Co., Geo. A., 24th & R. R. (Furnace Charging for Annealing Furnaces)	A
1607—Lewis Fdry. & Machine Co., 1001 Bingham (Corrugating; Hot Sawing)	A
1608—McCormack Co. J. S., 25th & A. V. Ry. (Core Making; Automatic Sand Molding)	B
1609—Mackintosh-Hemphill & Co. (Ltd.) (Rolling Mill)	AAA
1610—Marshall Bros. (Hoisting; Steam Power)	AA
1611—Mesta Machine Co. (Rolling Mill; Tin Plate)	AAA
1612—Milholland, J. & J. B. (Hoisting; Steam Power)	A
1613—Mould Co., Henry S., Empire Bldg. (Briquetting)	B
1615—Oil Well Supply Co. (Oil Well; Well Sinking)	AAA
1616—Phillips & McLaren, 24th & Smallman (Bolt; Nut)	B
1617—Pittsburg Mfg. Co., 28th & R. R. (Bending; Straightening; Metal Straightening; Nut; Spike)	A
1618—Pittsburg Mfg. Co. (Bending; Nail Mill)	A
1619—Pittsburg Tool & Drop Forge Co., Arrott Bldg. (Rail Bending; Straightening)	D
1620—Rees & Sons Co., Jas. (Hoisting Steam Power; Ship Yard)	AA
1621—Riter-Conly Mfg. Co. (Mixing)	AAA
1622—Scaife Fdry. & Machine Co., 28th & Smallman (Hot Sawing; Cold Metal Sawing; Blast Furnace; Coal Mining; Coal Washing; Elevating; Conveying)	B
1623—Simonds Mfg. Co., 25th & Liberty (Car Wheel Truing)	D
1624—Sommerfeld Mach. & Mfg. Co., R. G., 224 3d Av. (Glass Blowing)	B
1625—Tate, Jones & Co., Empire Bldg. (Link Belt Appliances)	E
1626—United Engineering & Fdry. Co., 54th & A. V. Ry. (Corrugating; Hot Sawing; Pipe Cutting; Threading; Tapping for Tube Mills)	AAAA
1627—Westinghouse Electric & Mfg. Co. (Electric Coal Mining, &c.)	AAAA
P.A.—Pittston	
1628—Exeter Machine Wks. (Coal Mining; Coal; Ore Handling; Elevating; Conveying)	AA
P.A.—Pottstown	
1629—Ellis Keystone Agrl. Wks. (Threshing)	B
P.A.—Reading	
1630—Boss Knitting Machine Wks. (Seamless Knitting; Automobile)	B
1631—Penn. Hdw. Co. (Tobacco Cutting)	AA
1632—Reading Iron Co. (Refrigerating; Rolling Mill)	AAAA
1633—Textile Machine Wks. (Braiding; for Insulating Electric Wires)	C

## APPENDIX—Machinery (1717-1759)

- 1717—Bonsack Machine Co. (Cigarette Making).....A  
*W.A.—Petersburg*
- 1718—Titus, Elmer E. (Automatic Power Quark Basket  
 Stapling; Barrel; Basket; Butter Dish; Veneer Cut-  
 ting) .....C  
*W.A.—Richmond*
- 1719—Cardwell Machine Co. (Cigarette Making; To-  
 bacco Cutting; Drying; Packing; Steam Power Hoist-  
 ing; Oil Extracting; Water Works; Pumping; Peanut)  
 A
- 1720—Mayo, Hysore & Co. (Drying; Tobacco).....B  
*W.ASH.—Fair Haven*
- 1721—Letson & Burpee (Canning) .....D  
*W. V.A.—Fairmont*
- 1722—Wagner-Palmros Mfg. Co. (Coal Mining)....A  
*W. V.A.—Wheeling*
- 1723—Centre Fdry. Co. (Brick; Supplies).....C  
*WIS.—Appleton*
- 1724—Valley Iron Wks. Co. (Wood Barking).....C  
*WIS.—Beaver Dam*
- 1725—Roswell Mfg. Co., J. S. (Threshing).....A  
*WIS.—Beloit*
- 1726—Beloit Iron Wks. (Cylinder) .....A  
 1727—Berlin Machine Wks. (Sash Door; Blind)AAAA  
 1728—Fraser Mfg. Co. (Wood Trimming) .....X  
 1729—Thompson & Sons Mfg. Co., J. (Wood Sawing;  
 Splitting) .....AA  
*WIS.—Eau Claire*
- 1730—McDonough Mfg. Co. (Band Sawing; Lumber  
 Mill; Sash; Door; Blind) .....A  
 1731—Phoenix Mfg. Co. (Band Sawing; Centering)...A  
*WIS.—Fort Atkinson*
- 1732—Cornish, Curtis & Greene Mfg. Co. (Testing  
 Milk) .....A  
*WIS.—Janesville*
- 1733—New Doty Mfg. Co. (Boilermakers' Punching;  
 Bolt Heading; I Beam Punching; Hand Shearing;  
 Screw; Multiple Punching) .....D  
*WIS.—Kenosha*
- 1734—Badger Brass Mfg. Co. (Acetylene Gas).....C  
*WIS.—La Crosse*
- 1735—Smith Mfg. Co. (Grubbing) .....A  
*WIS.—Madison*
- 1736—Fuller & Johnson Mfg. Co. (Tobacco Hoeing)..  
 AAA
- WIS.—Manitowoc*
- 1737—Smalley Mfg. Co. (Ensilage) .....B  
*WIS.—Milwaukee*
- 1738—Allis-Chalmers Co. (Cyaniding; Ice; Conveying;  
 Flour Mill; Saw Mill; Refrigerating; Water Works;  
 Wine Pumping) .....AAAA
- 1739—Brodesser Elevator Mfg. Co. (Angle Straighten-  
 ing) .....X
- 1740—Chain Belt Co. (Coal Hoisting; Conveying;  
 Handling) .....B
- 1741—Durant, W. N., 234 22d (Counting).....E
- 1742—Filer & Stowell Co. (Brazing; Band Saw; Edging  
 Saw; Coal Hoisting; Handling; Picket; Coopers  
 Flour Mill; Shingle; Saw Mill) .....AAA
- 1743—Grottenrath, Fred., 111 Water (Elevating; Con-  
 veying) .....E
- 1744—Hide & Leather Wkg. Mach. Co. (Tanners')..B
- 1745—Kemp Smith Mfg. Co., Linus & Woodward (Shaft  
 Centering; Plain; Universal; Lincoln Pattern Mill-  
 ing) .....A
- 1746—Kieckhefer Elevator Co., A. (Hoisting; Steam  
 Power) .....C
- 1747—Kiewert Co., Chas. L. (Brewers'; Bottle Ma-  
 chinery; Keg Rolling; Pitching).....A
- 1748—Koss & Bros. Co., Chas. (Brewers'; Bottle Wash-  
 ing; Keg Rolling; Pitching).....A
- 1749—Milwaukee Cock Grinding Mach. Co. (Cock  
 Grinding for Ground Key Work) .....X
- 1750—Milwaukee Harvester Co. (Int. Harvester Co.)  
 (Harvesting) .....AAAA
- 1751—Nash, J. M. (Universal Multiple Wood Boring;  
 Special Chair; Wood Polishing) .....D
- 1752—National Blower Wks. (Air Moving).....B
- 1753—Nordberg Mfg. Co. (Bottlers'; Supplies).....AA
- 1754—Pawling & Harnischfeger (Horizontal Boring;  
 Drilling; Dynamo; Electric; Brewers' Pitching).AAA
- 1755—Polachek & Bro., Chas., 429 Chestnut (Acetylene  
 Gas) .....B
- 1756—Prinz & Rau Mfg. Co. (Cockle) .....A
- 1757—Vilter Mfg. Co., 854 Clinton (Bottle Soaking;  
 Washing; Brewers' Mashing; Ice; Refrigerating).AA  
*WIS.—Oshkosh*
- 1758—Hayes Machine Co., E. B. (Cutting-Off; Wood;  
 Lumber Mill; Double End Wood Shaping; Double  
 End Wood Tenoning) .....B  
*WIS.—Racine*
- 1759—Belle City Mfg. Co. (Ensilage; Threshing) ....B

# APPENDIX—Machinery (1717-1759)

1717—Bonsack Machine Co. (Cigarette Making).....A	
<i>VA.—Petersburg</i>	
1718—Titus, Elmer E. (Automatic Power Quark Basket Stapling; Barrel; Basket; Butter Dish; Veneer Cut- ting) .....C	
<i>VA.—Richmond</i>	
1719—Cardwell Machine Co. (Cigarette Making; To- bacco Cutting; Drying; Packing; Steam Power Hoist- ing; Oil Extracting; Water Works; Pumping; Peanut)	A
1720—Mayo, Hysore & Co. (Drying; Tobacco).....B	
<i>WASH.—Fair Haven</i>	
1721—Letson & Burpee (Canning) .....D	
<i>W. VA.—Fairmont</i>	
1722—Wagner-Palmros Mfg. Co. (Coal Mining)....A	
<i>W. VA.—Wheeling</i>	
1723—Centre Fdry. Co. (Brick; Supplies).....C	
<i>WIS.—Appleton</i>	
1724—Valley Iron Wks. Co. (Wood Barking).....C	
<i>WIS.—Beaver Dam</i>	
1725—Roswell Mfg. Co., J. S. (Threshing).....A	
<i>WIS.—Beloit</i>	
1726—Beloit Iron Wks. (Cylinder) .....A	
1727—Berlin Machine Wks. (Sash Door; Blind)AAAA	
1728—Fraser Mfg. Co. (Wood Trimming) .....X	
1729—Thompson & Sons Mfg. Co., J. (Wood Sawing; Splitting) .....AA	
<i>WIS.—Eau Claire</i>	
1730—McDonough Mfg. Co. (Band Sawing; Lumber Mill; Sash; Door; Blind) .....A	
1731—Phoenix Mfg. Co. (Band Sawing; Centering) ..A	
<i>WIS.—Fort Atkinson</i>	
1732—Cornish, Curtis & Greene Mfg. Co. (Testing Milk) .....A	
<i>WIS.—Janesville</i>	
1733—New Doty Mfg. Co. (Boilermakers' Punching; Bolt Heading; I Beam Punching; Hand Shearing; Screw; Multiple Punching) .....D	
<i>WIS.—Kenosha</i>	
1734—Badger Brass Mfg. Co. (Acetylene Gas).....C	
<i>WIS.—La Crosse</i>	
1735—Smith Mfg. Co. (Grubbing) .....A	
<i>WIS.—Madison</i>	
1736—Fuller & Johnson Mfg. Co. (Tobacco Hoeing).. AAA	
<i>WIS.—Manitowoc</i>	
1737—Smalley Mfg. Co. (Ensilage) .....B	
<i>WIS.—Milwaukee</i>	
1738—Allis-Chalmers Co. (Cyaniding; Ice; Conveying; Flour Mill; Saw Mill; Refrigerating; Water Works; Wine Pumping) .....AAAA	
1739—Brodeur Elevator Mfg. Co. (Angle Straighten- ing) .....X	
1740—Chain Belt Co. (Coal Hoisting; Conveying; Handling) .....B	
1741—Durant, W. N., 234 22d (Counting).....E	
1742—Filer & Stowell Co. (Brazing; Band Saw; Edging Saw; Coal Hoisting; Handling; Picket; Coopers' Flour Mill; Shingle; Saw Mill) .....AAA	
1743—Grottenrath, Fred., 111 Water (Elevating; Con- veying) .....E	
1744—Hide & Leather Wkg. Mach. Co. (Tanners')..B	
1745—Kemp Smith Mfg. Co., Linus & Woodward (Shaft Centering; Plain; Universal; Lincoln Pattern Mill- ing) .....A	
1746—Kieckhefer Elevator Co., A. (Hoisting; Steam Power) .....C	
1747—Kiewert Co., Chas. L. (Brewers'; Bottle Ma- chinery; Keg Rolling; Pitching).....A	
1748—Koss & Bros. Co., Chas. (Brewers'; Bottle Wash- ing; Keg Rolling; Pitching).....A	
1749—Milwaukee Cock Grinding Mach. Co. (Cock Grinding for Ground Key Work) .....X	
1750—Milwaukee Harvester Co. (Int. Harvester Co.) (Harvesting) .....AAAA	
1751—Nash, J. M. (Universal Multiple Wood Boring; Special Chair; Wood Polishing) .....D	
1752—National Blower Wks. (Air Moving).....B	
1753—Nordberg Mfg. Co. (Bottlers'; Supplies).....AA	
1754—Pawling & Harnischfeger (Horizontal Boring; Drilling; Dynamo; Electric; Brewers' Pitching).AAA	
1755—Polachek & Bro., Chas., 429 Chestnut (Acetylene Gas) .....B	
1756—Prinz & Rau Mfg. Co. (Cockle) .....A	
1757—Vilter Mfg. Co., 854 Clinton (Bottle Soaking; Washing; Brewers' Mashing; Ice; Refrigerating).AA	
<i>WIS.—Oshkosh</i>	
1758—Hayes Machine Co., E. B. (Cutting-Off; Wood; Lumber Mill; Double End Wood Shaping; Double End Wood Tenoning) .....B	
<i>WIS.—Racine</i>	
1759—Belle City Mfg. Co. (Ensilage; Threshing) ....B	

## APPENDIX—Machinery (1760-1775)

1760—Case Threshing Mach. Co., J. I. (Threshing).. AAAA	
1761—Freeman & Sons Mfg. Co., S. (Sawing) .....	A
1762—Gorton Machine Co., Geo. (Engraving).....	B
1763—Johnson & Field Mfg. Co. (Chaffing; Smut; Brush Combined; Grain Cleaning) .....	F
1764—Racine Malleable & Wrought Iron Co. (Picket Pointing) .....	A
1765—Winship Mfg. Co. (Sand Papering).....	E
WIS.— <i>Sheboygan</i>	
1766—Jenkins Machine Co. (Chair) .....	B
1767—Stehn Mfg. Co. (Sand Blast for Founders)....	D
1768—Winter Lumber Co., M. (Slot) .....	B
WIS.— <i>South Milwaukee</i>	
1769—Bucyrus Co. (Ditching; Railroad).....	AAA
WIS.— <i>Stevens Point</i>	
1770—Cook, R. A. (Barrel; Keg; Stave; Heading)..	B
WIS.— <i>Superior</i>	
1771—Duplex Mfg. Co. (Sawing) .....	AA
1772—Superior Iron Wks. (Wood Bending) .....	F
WIS.— <i>Waupun</i>	
1773—Althouse-Wheeler Co. (Sawing) .....	A
WIS.— <i>Wausau</i>	
1774—Murray Mfg. Co., D. J. (Box Board; Saw Mill Lever) .....	A
CANADA— <i>Ontario</i>	
ONT.— <i>Park Hill</i>	
1775—Baird & Son, H. C. (Brick; Supplies).....	B

# APPENDIX

## MILLINERY GOODS

See also Hats; Flowers;  
..Feathers; Plants; Trim-  
..mings, etc.

**CAL.—San Francisco**  
Union Hat Co., 578 Mis-  
sion (Goods) .....B  
**GA.—Atlanta**  
National Straw Hat Works  
(Straw Hats) .....C  
**ILL.—Chicago**  
Chicago Braiding & Em-  
broidery Co., 120 Market  
(Braiding; Embroidery) .....A  
Ralke, Lippert & Co., 264  
Wabash Av. (Goods) ..B  
Thompson & Co., T. N., 150  
Michigan (Goods) .....C  
**MO.—St. Louis**  
Judge, S. C., 1825 Pine  
(Goods) .....B  
New York City  
Adelson & Bro. Philip, 625  
B'way (Artificial Flow-  
ers; Ostrich & Fancy  
Feathers) .....B  
Adelson & Son, L., 603  
B'way (Goods) .....B  
Alland Bros., 661 B'way  
(Goods) .....B  
Alpi & Co., 69 W. Houston  
(Artificial Flowers; Os-  
trich & Fancy Feathers) B  
Apple & Co., 8 Astor Place  
(Goods) .....C  
Bendel, Henri, 67 E. 9th  
(Pattern & Trimmed  
Hats) .....C  
Berg Bros., 223 Wooster  
(Goods) .....AA  
Berlin & Trosky, 188  
Bleeker (Goods) .....A  
Berlinger, Brown & Friede-  
man, 708 B'way (Artifi-  
cial Flowers; Ostrich &  
Fancy Feathers) .....C  
Bloom & Mayer, 577 Bway.  
(Goods) .....A  
Comey & Co., 584 B'way  
(Goods) .....B  
Dearberg Bros., 96  
Prince (Goods) .....A  
Donat & Co., John, 594  
B'way (Goods) .....B  
Edwards & Rierdan (Agts.)  
565 B'way (Goods) .....A  
Eiseman & Co., E., 68 W.  
Houston (Ostrich Feath-  
ers) .....C  
Fattou, Henry, 46 E. 8th  
(Ostrich Feathers) .....A  
Friedlander, I., 636 B'way  
(Pattern & Trimmed  
Hats) .....B  
Glanckoff, Oscar, 637  
B'way (Pattern Hats) ..B  
Goldzier, Morris, 661  
B'way (Artificial Flow-  
ers; Ostrich & Fancy  
Feathers) .....A  
Goodman & Co., E. B., 711  
B'way (Artificial Flow-  
ers; Ostrich & Fancy  
Feathers) .....A  
Gotthold & Co., 580 B'way  
(Goods) .....A  
Grove Straw Hat Mfg. Co.,  
100 Wooster (Straw  
Hats) .....B  
Heimann & Lichter, 600  
B'way (Goods) .....AA  
Henry & Co., L., 723 B'way  
(Artificial Flowers; Os-  
trich & Fancy Feathers) AA  
Hepner & Horwitz, 30  
Howard (Goods) .....B  
Herman, Max & Co., 618  
B'way (Artificial Flow-  
ers; Ostrich & Fancy  
Feathers; also Materials) B  
Hirsh & Co., A., 137 5th  
Av. (Artificial Flowers;

## MILLINERY GOODS

Ostrich & Fancy Feath-  
ers) .....B  
Hirsh & Park, 563 B'way  
(Goods) .....AA  
Hochheimer, A., 719 B'way  
(Artificial Flowers; Os-  
trich & Fancy Feathers;  
also Pattern Hats) ...B  
Isler & Guge, 111 Bleeker  
(Goods) .....A  
Jennings Lace Works, 450  
Broome (Goods) .....A  
Kaufman, Aron & Wars-  
ahuser, 650 B'way  
(Goods) .....B  
Kimmerle & Dawes, 629  
B'way (Artificial Flow-  
ers; Ostrich & Fancy  
Feathers) .....B  
Knowlton & Sons, Wm., 564  
B'way (Goods) .....AAAA  
Koch & Sons, 24 W. 23rd  
(Pattern Hats) .....A  
Konemana & Co., 706 Bway.  
(Artf. Flowers; Ostr.  
Fancy Feathers) .....C  
Legg, Geo., 5 Wash. Pl.  
(Artf. Flow.; Ostr.; Fan-  
cy Feathers) .....AA  
Lehman Bros., 10 Bond  
(Artificial Flowers; Os-  
trich & Fancy Feathers) B  
Levin & Kupfer, 26-32 E.  
Houston (Goods) ....B  
Lewis & Co., Alfred, 33 E.  
10th (Ostrich Feathers) B  
Lindheim & Son, R., 652  
B'way (Artificial Flow-  
ers; Ostrich & Fancy  
Feathers) .....A  
Love, Scott & Jausch, 192  
Greene (Goods) .....C  
Metzger & Co., Louis, 637  
B'way (Goods) .....A  
Mindheim, Max, 67 Prince  
(Goods) .....A  
Phipps & Atchison, 141 5th  
Av. (Goods) .....B  
Rosenberg, Max, 182 5th  
Av. (Goods) .....A  
Rosenshine Bros., 57 E.  
10th (Ostrich Feathers) AA  
Reshower & Co., J., 565  
B'way (Goods) .....B  
Robinson & Co., Jonh J., 20  
W. 18 (Goods) .....B  
Sacks, G. M. L., 561 B'way  
(Goods) .....B  
Sawyer & Co., H. F., 605  
B'way (Goods) .....B  
Schiff & Co., Samuel, 659  
B'way (Goods) .....A  
Schiller, S., 608 B'way  
(Pattern Hats) .....C  
Schultz & Co., Jos., 593  
B'way (Goods) .....B  
Searle, Dailey & Co. (Mat-  
teawan Mfg. Co.) 602  
B'way (Goods) .....AA  
Siegman & Well, 81 Woos-  
ter (Goods) .....A  
Simon & Co., Alfred L., 706  
B'way (Artificial Flow-  
ers; Ostrich & Fancy  
Feathers) .....B  
Spero Co., David, 702  
B'way (Artificial Flow-  
ers; Ostrich & Fancy  
Feathers) .....A  
Spitka & Co., Chas., 706  
B'way (Artificial Flow-  
ers; Ostrich & Fancy  
Feathers) .....C  
Stadecker & Emsheimer,  
583 B'way (Bonnet; Hat  
Frames) .....AA  
Stein, J. A., 58 E. 9th  
(Ostrich Feathers) .....A  
Stiehl & Co., C. H., 205  
Greene St. (Goods) .....C  
Tenney & Co., C. H., 8  
Wash. Pl. (Goods)AAAA  
Unger & Co., M., 31 Bond  
(Goods) .....C  
Ury & Mendelson Bros., 696  
B'way (Pattern Hats) ..C  
Veit Son & Co., 629 B'way

## APPENDIX

### MILLINERY GOODS

(Goods) .....A  
 Velth, A. & H., 624 B'way  
 Warshaw & Rosemond,  
 608 B'way (Goods) ....B  
 Welsker & Co., Chas., 55  
 8th Oibrettes) .....C  
 Williamson & Sleeper, 508  
 B'way (Goods) .....B  
 Wursburger & Hecht, 5th  
 Av. & 19th (Artificial  
 Flowers; Fancy & Ostrich  
 Feathers) .....AA  
 Zimmermann & Meyer, 142  
 Greene (Goods) .....B  
 Zimmermann Co., John, 129  
 Greene (Goods) .....AA  
 Zucker & Josephy, 17  
 B'way (Artificial Flow-  
 ers; Ostrich & Fancy  
 Feathers) .....A  
**OHIO**—Cleveland  
 Comey & Johnson, 13 Acad-  
 emy (Goods) .....B  
**PA.**—Philadelphia  
 Bernstein, Kaufman & Co.,  
 1108 Race (Goods) .....A  
 Eames, H. A., 1135 Arch  
 (Goods) .....B  
 Espen, Stewart & Loeb,  
 1239 Callowhill (Goods)  
 B  
 Goodman, Loeb & Co., 428  
 No. 13th (Goods) .....AA  
 Henley's Sons, David, 831  
 Arch (Birds) .....A  
 Pine Tree Silk Mills Co.,  
 806 Arch (Pattern Hats)  
 B  
 Rosenan & Co., S., 449 N.  
 Darien (Goods) .....AA  
 Rosenfield & Burak, 730  
 Cherry (Goods) .....B  
 Shaw & Ewing Co., 1009  
 Race (Goods) .....B  
**PA.**—Reading  
 Alexander & Co., G. W.  
 (Goods) .....A  
 Mohn & Co., John G., 916  
 Penn (Goods) .....AA  
**WIS.**—Milwaukee  
 Blumenfeld, Locher &  
 Brown Co., 374 B'way  
 (Bonnet & Hat Frames)  
 B  
 National Straw Co. (Goods)  
 A  
 Northwestern Straw Wks.,  
 623 Reed (Goods) .....A  
 Slocum Straw Works, Reed  
 Cor. So. Water (Goods)  
 O

### MUSICAL INSTRUMENTS

See also Pianos; Organs &  
 other Specific Headings.

**ILL.**—Chicago  
 Bohmann, Joseph, 376 Mad-  
 ison .....C  
 Holton & Co., Frank, 70  
 E. Madison .....D  
 Lyon & Healy, Wabash &  
 Adams (Guitars; Harps;  
 Cymbals; Dulcimers;  
 Banjos) .....AAAA  
 Maurer & Co., 33 Ind. Av.  
 F  
**IND.**—Elkhart  
 Buescher Mfg. Co.  
 (Clarinets) .....AA  
 Conn, C. G. (Fifes; En-  
 phoniums; Flutes;  
 Guitars; Bugles; French  
 Horns; Cymbals; Clarin-  
 ets; Trumpets) .....AA  
**IND.**—Indianapolis  
 Leedy Mfg. Co., 1063 E.  
 Palmer (Bass Drums; Xy-  
 lophones) .....E  
 Regal Mfg. Co. (Banjos;  
 Guitars) .....X  
**LA.**—New Orleans  
 Grunewald Rene (Mando-  
 lins) .....C  
**MD.**—Baltimore  
 Holdapfell & Beltel  
 (String) .....X

### MUS. INSTRUMENTS

**MASS.**—Boston  
 Boston Musical Instrument  
 Co., 51 Chardon (Band)  
 F  
 Fairbanks Co., A. C. (Ban-  
 jos; Guitars) .....X  
 Haynes & Co., Josh C. AA  
 Phonoharp Co., 150 Liver-  
 pool .....C  
 Pierce Organ Pipe Co., S.  
 (Clarinets) .....C  
 Vega Co., 62 Ludbury  
 (Guitars; Mandolins;  
 Banjos; Trombones) ...F  
**MASS.**—Cambridge  
 Auto Mfg. Co. (Automatic  
 Banjos) .....X  
**MASS.**—Northampton  
 Hyde, Andrew (Violins) ..D  
**PA.**—Reading  
 Pierce Organ Pipe Co., 104  
 S. 4th (Trombones) ....C  
**MICH.**—Detroit  
 Bryant-Newell Co. (Band)  
 F  
**MICH.**—Kalamazoo  
 Gibson Mandolin & Guitar  
 Mfg. Co. ....D  
**MICH.**—Saginaw  
 Waldo Mfg. Co. (Guitars;  
 Banjeaurines; Mandolins)  
 D  
**MO.**—Washington  
 Schwarzer, Frans (Guitars;  
 Zithers; Mandolins) ..E  
**N. J.**—Camden  
 Ernest & Son, G. A.  
 (Guitars) .....E  
**N. J.**—Jersey City  
 Schmidt, Oscar (Guitars;  
 Mandolins; Banjos) ....A  
**N. Y.**—Brooklyn  
 Cloos, George, 39 Stagg  
 (Fifes; Clarinets; Flutes)  
 E  
 Gretsch Mfg. Co., Fred, 104  
 S. 4th (Tambourines) ..C  
 Houdlett, Alfred, 40 Mel-  
 rose (Banjos; Drums) ..C  
 Maryland, R. H., 351  
 Adams (Orchestra Bells)  
 E  
**N. Y.**—Mount Vernon  
 Aluminum Musical Instru-  
 ment Co. (Guitars) ....X  
 Anderberg, Erland (Banjos;  
 Guitars) .....C  
**New York City**  
 American Automatic Music  
 Co., 53 B'way (Banjos)  
 D  
 Bercloux, Eugene, 1106  
 Park Av. ....F  
 Bertling Co., Theo., 177  
 Bowery (Clarinets;  
 Flutes; Oboes) .....X  
 Bruno & Son, C., 356 B'way  
 (Banjos; Guitars) ...AA  
 Busch, Fred'k, 255 Bowery  
 H  
 Carlucci & Bessa, 188 W.  
 Houston (Guitars; Man-  
 dolins) .....F  
 Cohn, Adolph, 157 W. 23d  
 E  
 Ditson & Co., Chas. C., 367  
 B'way (Fifes; Flutes;  
 Guitars) .....B  
 Elsele, Hy, 211 Grand  
 (Drums) .....F  
 Favilla Bros., 60 Centre  
 (Guitars) .....F  
 Fischer, Carl, 50 Cooper  
 Sq. W. ....A  
 Foote, J. Howard, 33 Maid-  
 en Lane (Fifes; Flutes;  
 Guitars; Banjos) .....X  
 Friedrich & Bro. John, 360  
 4th Av. ....E  
 Gemunder & Son, Aug.  
 (Cymbals; Basoons;  
 Oboes) .....D  
 Gordon, H. S., 139 5th Av.  
 (Banjos) .....D  
 Gratz Co., Wm. R., 11 E.  
 22d .....E  
 Hohner, M., 354 B'way  
 (Harmonicas; Mouth Or-  
 gans; Accordeons) ....X



# APPENDIX

## MUS. INSTRUMENTS

Knapp Mfg. Co., 24 Frank-  
fort (Cornets) .....D  
Mannello, Angello, 676 Ea-  
gle Av. (Guitars) ....C  
Penzel, G. L. & Muller, 6  
Cooper Sq. (Clarinets).B  
Pollman, Aug., 70 Frank-  
lin (Cornets; Mandolin  
Banjos) .....X  
Rettberg & Lange, 115 E.  
13th (Banjos) .....R  
Stratton, John F. ....D  
Thebouvnlle, Lamy, Jerome  
& Co. ....B  
Tonk & Bro., Wm. (Inc.)  
452 10th Av. (Fifes;  
Flutes; Guitars; Banjos)  
C  
Tubbs, Edward, 1534 3d Av.  
(Violins) .....D  
N. Y.—North Tonawanda  
De Kleist Musical Inst.  
Mrg. Co. (Automatic  
Chimes; Bugles; Xylo-  
phones) .....A  
N. Y.—Rochester  
Cutler Mfg. Co. (Banjos)  
AA

OHIO—Cincinnati  
Church & Co., John (Ban-  
jos; Xyphones) ....AAAA  
Hurlitzer-Rudolph Co. .A  
OHIO—Columbus  
Wolfram Guitar Co. (Gui-  
tars) .....E  
PA.—Nazareth  
Martin & Co., C. F. (Gui-  
tars) .....D  
PA.—Philadelphia  
Albert, Chas. F., 205 S.  
9th .....D  
Buchanan, W. P., 1226  
Arch St. (Guitar) ....C  
Graupner & Son, E., 3d &  
Bristol (Mandolins) .E  
Lehnert, Hy. G., 427 N.  
9th .....C  
Pepper, Jas. A., 8th & Lo-  
cust .....A  
Shoenhut Co., A. (Orches-  
tra; Chimes; Xylophones)  
A  
Weyman & Son., H. A., 923  
Market .....D

## PRODUCE

ARK.—Silvan Springs  
Stanley Co., H. P. (Fruit)  
A  
ARK.—Texarkana  
Texas Produce Co. ....A  
CAL.—Bonita  
Sweetwater Farm Co.  
(Fruit Shippers) .....B  
CAL.—Fresno  
Earl Fruit Co. (Fruit  
Shippers) .....A  
CAL.—Redlands  
Lyon & Sons, I. L. (Grow-  
ers; Packers Oranges) A  
Redland's Orange Growers  
Assn. (Oranges) .....B  
CAL.—Riverside  
Anderson, Wotton & God-  
frey (Fruit Shippers) ..A  
Pattee & Lett Co. (Fruit  
Shippers) .....AAAA  
Riverside Fruit Co. (Fruit  
Shippers) .....AA  
CAL.—Sacramento  
California Green & Dried  
Fruit Co. (Shippers Cal.  
Green Fruit) .....A  
CAL.—Santa Barbara  
Crocker-Sperry Co. (Grow-  
ers; Shippers Lemons)  
AAAA  
COLO.—Cripple Creek  
Pikes Peak Produce Co. B  
COLO.—Eaton  
Steele, E. G. (Wholesale  
Shipper) .....D  
COLO.—Grand Junction  
Grand Junction Fruit Grow-  
ers' Assn. (Fruit; Vege-  
tables; Potatoes) ....D  
COLO.—Greeley  
Patterson & Sons, R....D  
Rothschild & Co., I. (Ship  
Wholesale; Cabbage;

## PRODUCE (Con.)

Onions; Potatoes; Veg.) D  
Smith & Co., F. E. ....B  
COLO.—Fueblo  
Sutton Merc. Co. (Whole-  
sale Butter; Eggs; Poul-  
try; Potatoes; Fruit) E  
DEL.—Laurel  
Wotten & Fooks (Fruit  
Shippers) .....A  
FLA.—Arcadia  
Scott Bros. (Fruit Ship-  
pers) .....C  
FLA.—Terra Cels  
Armstrong, F. C. (Fruit  
Shippers) .....C  
GA.—Brunswick  
Koddenberg, W. B. (Whole-  
sale Shipp. Watermelons;  
Peas; Peaches) .....D  
ILL.—Arenzville  
Hysinger & Weeks (Shipp.  
Apples; Fruit; Potatoes;;  
Butter; Eggs) .....A  
ILL.—Astoria  
Scripps, W. H. & J. (Shipp.  
Potatoes; Butter; Eggs)  
AA  
ILL.—Aurora  
Marshall & Co., C. W. .B  
ILL.—Bloomington  
Welch & Co., W. J. (Whole-  
sale Ship. Apples; Cab-  
bage; Onions; Potatoes;  
Fruit; Vegetables; Butter;  
Eggs; Grapes) .....B  
ILL.—Chadwick  
Beede Bros. ....B  
ILL.—Champaign  
Twin City Ice & Cold Stor-  
age Co. (Wholesale But-  
ter; Eggs; Apples) ..A  
ILL.—Danville  
King & McCuster (Seed  
Potatoes; Union Sets) A  
ILL.—Decatur  
Atlas, Max .....B  
ILL.—Gardner  
Lutz & Co., J. C. (Fruit)  
AA  
ILL.—Jacksonville  
Moore Produce Co. (Whole-  
sale Fruit; Potatoes) ..C  
ILL.—Lansing  
Meeter, John (Grower;  
Shipper) .....A  
ILL.—Lincoln  
Atlas, Frank .....A  
ILL.—Mendota  
Fisher, O. (Shipper Fruit;  
Potatoes; Butter; Eggs;  
Cabbage) .....A  
ILL.—New Windsor  
Peterson & Co., C. F. (Ship-  
pers Apples; Fruit; Pota-  
toes; Poultry; Butter;  
Eggs) .....A  
ILL.—Princeton  
De Lano & Son (Shippers  
Apples; Fruit; Potatoes)  
A  
ILL.—Rockford  
Shumway, R. H. ....AA  
ILL.—Shawneetown  
Richeson & Co., J. D. ...B  
ILL.—Spaulding  
Spaulding Nursery & Or-  
chard Co. ....B  
ILL.—Streator  
Miners Supply Co. (Ship-  
pers Apples; Fruit; Po-  
tatoes; Butter; Eggs)..B  
Streator Merc. Co. (Shippers  
Apples; Potatoes; Butter;  
Eggs) .....B  
ILL.—Winchester  
Frost Sons, R. (Shippers  
Fruit; Potatoes) .....A  
ILL.—Wyanet  
Cate & Co., H. W. (Shippers  
Apples; Fruit; Potatoes)  
B  
ILL.—Wyoming  
King, J. E. (Shipper Ap-  
ples;; Fruit; Potatoes;  
Poultry; Butter; Eggs;  
Cabbage) .....B  
IND.—Ligonier  
Jacobs & Co., E. ....C  
IND.—Warren  
Tudor & Co., S. ....A

# APPENDIX

## PRODUCE (Con.)

**IOWA**—Auduborn  
Bilhorz & Son, E.  
(Shippers Potatoes) ....A  
**IOWA**—Avery  
Avery Supply Co. ....A  
**IOWA**—Conrad  
Stark & Marsh (Shippers'  
Apples) .....B  
**IOWA**—Gladbrook  
Fedderson, Davenport & Co.  
(Potato Shippers) ....B  
**IOWA**—Le Mars  
Kehrberg Co., C. H. (Ship-  
pers Potatoes; Eggs) ..B  
**IOWA**—Macedonia  
Dye Bros. Co. (Shippers Ap-  
ples; Potatoes; Poultry;  
Butter; Eggs) .....A  
**IOWA**—Sioux City  
Palmer & Co. (Wholesale  
Shippers; Apples; Cab-  
bage; Potatoes; Fruit;  
Vegetables; Butter) ..A  
**KANS.**—Arkansas City  
Canal City Produce Co. ..A  
**KANS.**—Olney Center  
Swenson Bros. (Wholesale  
Potatoes) .....A  
**KY.**—Mer Rouge  
Davenport, C. C. (Shippers  
Potatoes) .....B  
**LA.**—Shreveport  
Highhouse Commission Co.,  
A. M. (Wholesale Ship-  
pers Potatoes) .....D  
Rose Merc. & Mfg. Co. Hy.  
(Wholesale Shippers Po-  
tatoes) .....A  
**MAINE**—Bar Harbor  
Locke & Co., I. ....B  
**MAINE**—Caribou  
Edwards Co., H. A. (Ship-  
pers Potatoes) .....C  
**MAINE**—Houlton  
Cleveland Co., E. L. ....D  
**MAINE**—Phillips  
Wilbur & Co. (Cabbage) C  
**MD.**—Hagerstown  
Holzapfel, H. ....B  
**MASS.**—Lawrence  
Murray Bros. Co. (Whole-  
sale) .....C  
**MASS.**—Lowell  
Nichols, G. N. & E. ....C  
**MASS.**—Lynn  
Hyde, E. V. ....C  
**MICH.**—Brighton  
Hyne, Fred. T. ....B  
**MICH.**—Carsonville  
McCaen & Co. ....B  
**MICH.**—Daggett  
Perrigo Sons (Shippers Po-  
tatoes) .....C  
**MICH.**—Dowagiac  
Swindall & Rollins ....C  
**MICH.**—Flint  
Edwards Bros. (Shippers  
Potatoes) .....B  
**MICH.**—Flushing  
Ottaway & Co., J. E. (Ship-  
pers Potatoes) .....D  
**MICH.**—Greenville  
Gibson & Co., C. H. (Ship-  
pers Potatoes) .....C  
Miller & Miller ....C  
**MICH.**—Howard City  
Lovely, W. H. (Shippers  
Potatoes) .....A  
**MICH.**—Hudson  
Pierce, Orrin R. ....B  
**MICH.**—Ingalls  
Dobeas, L. (Potato Ship-  
pers) .....B  
**MICH.**—Iron Mountain  
Brauns & Vandenbraak  
(Potato Shippers) ....B  
**MICH.**—Ishpeming  
Braastadt & Co., F. (Potato  
Shippers) .....A  
Larson & Co., W. (Potato  
Shippers) .....A  
**MICH.**—Jackson  
McLaughlin, Ward & Co. A  
**MICH.**—Lansing  
Schlee & Co., J. G. ....C  
**MICH.**—Lowell  
McCarty & Co., C. (Potato

## PRODUCE (Con.)

Shippers) .....B  
**MICH.**—Nadeau  
Nadeau Bros. (Potato Ship-  
pers) .....B  
**MICH.**—Oxford  
Randall & Co., C. L. (Po-  
tato Shippers) .....A  
**MICH.**—Plainwell  
Harwood & Co., F. A.  
(Fruit; Potatoes) .....D  
**MICH.**—Williamston  
Van Buren, F. P. ....B  
**MINN.**—Adrian  
Becker, A. M. (Potato Ship-  
pers) .....B  
Jones & Co., J. R. (Potato  
Shippers) .....A  
**MINN.**—Albert Lea  
Stacy Fruit & Produce Co. A  
**MINN.**—Elmore  
Dustin, W. O. (Fruit) ..A  
**MINN.**—Eyota  
Blair & Son, C. R. (Potato  
Shippers) .....C  
**MINN.**—Harris  
Wolf, F. H. (Shippers But-  
ter; Eggs; Potatoes) ..C  
**MINN.**—Luverne  
Nelson Bros. Co. (Potato  
Shippers) .....A  
**MINN.**—Madelia  
Olson, M. (Potato Shippers) B  
**MINN.**—Marshall  
Schneider & Hollo (Potato  
Shippers) .....B  
**MINN.**—Mountain Lake  
Woodruff, A. E. (Potato  
Shippers) .....C  
**MINN.**—New Ulm  
Neumann, J. F. (Potato  
Shippers) .....C  
**MINN.**—Olivia  
Olivia Produce Co. ....C  
**MINN.**—Owatonna  
Nelson, Hartvig & Co. (Po-  
tato Shippers) .....B  
**MINN.**—Sleepy Eye  
Christensen, P. (Potato  
Shippers) .....A  
**MINN.**—Waseca  
Brown & Son, H. A. (Poto-  
to Shippers) .....B  
**MISS.**—Cassville  
Cassville Produce Co. ....A  
**MISS.**—Odessa  
La Fayette Produce Co. ....A  
**MISS.**—Olden  
Olden Fruit Co. (Fruit  
Growers) .....AA  
**MISS.**—Sedalia  
Sedalia Egg Co. (Shippers  
Butter; Eggs; Potatoes;  
Poultry; Grapes; Fruit;  
Cabbage) .....D  
**NEBR.**—Auburn  
Kirschbraun, L. & C. ....B  
**NEBR.**—Crawford  
Crawford Merc. Co. (Potato  
Shippers) .....C  
**N. J.**—Pedrickton  
Justice & Co., H. S. (Sweet  
Potatoes) .....D  
**N. J.**—Plainfield  
Clifton & Campbell ....B  
**N. Y.**—Albion  
Morgan & Linson ....C  
Rogers, L. A. (Apples; Cab-  
bage; Potatoes) ....C  
Tilden, M. W. ....C  
**N. Y.**—Bergen  
Miller Bros. & Co. ....C  
**N. Y.**—Bombay  
Reynolds, A. G. ....A  
**N. Y.**—Brighton  
Le Clarr, J. F. ....B  
**N. Y.**—Brocton  
Chautaugua & Erie Grape  
Co. ....B  
Ryckman & Son, G. E.  
(Grapes) .....B  
**N. Y.**—Dalton  
Baker, A. D. (Potato Ship-  
per) .....C  
**N. Y.**—Dunkirk  
Day, R. B. (Est. of)  
(Grapes) .....A  
**N. Y.**—Fairport  
Becker, D. C. (Apples) ..C

# APPENDIX

## PRODUCE (Con.)

N. Y.—Fishers  
 Ford & Co., C. W. (Seed Potatoes).....C  
 N. Y.—Geneseo  
 Belden & Co. ....C  
 N. Y.—Geneva  
 Dillman Bros. (Shippers Fruit; Veg.; Potatoes) B  
 Maxwell & Bros., T. C. (Fruit Growers) .....AA  
 N. Y.—Groveland Station  
 Ewart & Lake .....B  
 N. Y.—Hoosick Falls  
 Deming & Co., J. J. ....C  
 N. Y.—Kingston  
 McGill, Edw. T. ....B  
 N. Y.—Le Roy  
 Gleason Cold Storage Co. (Fruit Shippers) .....B  
 N. Y.—Lookport  
 Ferrin Bros. Co. ....B  
 N. Y.—Mount Vernon  
 Reynolds Co., J. L. (Potato Shippers) .....B  
 N. Y.—Naples  
 Hemenway, Geo. B. (Potatoes; Apples) .....C  
 N. Y.—Newark  
 Pierson & Co., E. V. ....B  
 N. Y.—Ossining  
 Chadeayne & Sons, J. ..B  
 N. Y.—Palmyra  
 Knowles & Co., H. P. ..B  
 N. Y.—Penn Yan  
 Hollowell & Wise (Grape Shippers) .....B  
 N. Y.—Perry  
 Tomlinson & Son, Geo. ..B  
 N. Y.—Ravenna  
 Ward & Son, J. G. (Apples) A  
 N. Y.—Sherman  
 Sheldon, A. B. ....A  
 N. Y.—Sodus  
 Williams, A. B. (Apple Shipper) .....A  
 N. Y.—Victor  
 Loomis & Woodruff (Apples) .....A  
 N. Y.—Walworth  
 McCrea & Co., J. (Apple Shippers) .....C  
 N. Y.—Waverly  
 Walker & Sons, T. S. ....B  
 N. Y.—Williamson  
 Pearsall Co., G. A. (Apples) A  
 N. C.—Grand Forks  
 Grand Forks Fruit Co. ..B  
 N. C.—Newbern  
 Watson, C. T. ....C  
 N. C.—Southern Pines  
 Niagara Grape & Fruit Co. B  
 OHIO—Clyde  
 Comstock & Slessman ....B  
 OHIO—East Palestine  
 Rothwell & Co. (Fruit) ..B  
 OHIO—Lima  
 Thomas & Sons, M. ....B  
 OHIO—Wellington  
 Horr-Warner Co. ....AA  
 PA.—Bradford  
 Boyle & Williams .....C  
 PA.—Canton  
 Rurk & Co., Thos. ....A  
 PA.—Hazleton  
 Moyer, Noah .....B  
 PA.—Masontown  
 Sterling, J. & E. W. (Fruit Growers) .....AA  
 PA.—Shippensburg  
 Rummel, Himes & Co. (Fruit) .....A  
 PA.—Vinemont  
 Shearer, S. (Fruit Growers) B  
 S. DAK.—Elkton  
 Meyer & Co., T. (Potatoes) B  
 S. DAK.—Huron  
 Trunchower & Co., B. F. (Potatoes) .....B  
 S. DAK.—Lake Preston  
 Lewis Bros. & Lindner (Potato Shippers) .....B  
 TENN.—Murfreesboro  
 Ransom Bros. & Co. ....B  
 TEXAS—Sherman

## PRODUCE (Con.)

Hazard & McConville (Wholesale Shippers Potatoes).....B  
 UTAH—Kayaville  
 Kayaville Co-Op. Merc. Inst. ....B  
 UTAH—Logan  
 Cache Valley Merc. Co. (Potato Shippers) ....B  
 UTAH—Salt Lake City  
 Bailey & Sons (Potato Shippers) .....B  
 WIS.—Amherst  
 Peterson, P. N. ....C  
 WIS.—Aniwa  
 Goldrick, G. H. ....C  
 WIS.—Arcadia  
 Masseure & Co., W. P. (Potato Shippers) .....B  
 WIS.—Argyle  
 Rossing, L. A. (Shipper Fruit; Butter; Eggs) ..B  
 WIS.—Ashland  
 Cramer & Co., C. ....B  
 WIS.—Auburndale  
 Conner & Co., R. (Potatoes) AAA  
 WIS.—Bangor  
 Roberts, E. R. (Potato Shippers) .....B  
 WIS.—Berlin  
 Stedman & Sons, H. (Potato Shippers) .....C  
 WIS.—Birmamwood  
 Roepke, John F. (Potato Shippers) .....C  
 Van Doren & Anderson ..C  
 WIS.—Black River Falls  
 Werner, A. F. (Potato Shippers) .....B  
 WIS.—Campbellsport  
 McCollough Bros. (Potato Shippers) .....B  
 WIS.—Cato  
 Killen, W. N. (Potato Shipper) .....C  
 WIS.—Cecil  
 Zachon, W. S. (Potato Shipper) .....B  
 WIS.—Chippewa Falls  
 Clark, Robert B. (Potatoes) A  
 WIS.—Coloma Station  
 Follett, Vilas (Shipper Butter; Potatoes) .....C  
 WIS.—Cuba  
 Donohoo, Splinter & Co. (Potatoes Shippers) ...C  
 WIS.—De Pere  
 Jackson & Sons (Potato Shippers) .....B  
 WIS.—Elroy  
 Hart & Hart (Potato Shippers) .....B  
 Huntley & Co., C. S. (Potato Shippers) .....C  
 WIS.—Fairchild  
 Foster Lumber Co., N. C. (Potato Shippers) ...AAA  
 WIS.—Grantsburg  
 Peterson, P. E. (Potato Shipper) .....B  
 WIS.—Green Bay  
 Schilling, Frank C. (Wholesale Shipper Fruit, Vegetables Apples; Butter; 936 6:2 '5 543 Register 993 Potatoes) .....B  
 WIS.—Hartford  
 Dennison, Liver & Cooper (Potato Shipper) .....B  
 WIS.—Hixton  
 Van Gordon & Son, S. H. (Potato Shipper) .....B  
 WIS.—Jackson  
 Frank, J. G. & Froehlick Co. (Potatoes) .....C  
 WIS.—Jefferson  
 Puerner Son & Co., A. (Potato Shippers) .....B  
 WIS.—Juneau  
 Mansfield Co., G. C. ....A  
 WIS.—Kewaskum  
 Rosenheimer Malt & Grain Co., L. (Apples; Potatoes) .....A  
 WIS.—Kewaunee  
 Sevck & Co., W. (Potato Shippers) .....B

## APPENDIX

### PRODUCE (Con.)

**WIS.—London**  
 Roach & Seeber Co. ....A  
**WIS.—Manitowoc**  
 Esch. H., Sr. (Potatoes;  
   Apples; Onions; Cabbage) .....B  
 Torrison Co., O. (Shippers  
   Potatoes; Onions; Apples;  
   Cabbage) .....AA  
**WIS.—Merrillan**  
 Trow, A. S. (Potato Ship-  
   per) .....A  
**WIS.—Oakfield**  
 Bristol, Morgan & Co. (Po-  
   tato Shippers) .....B

### PRODUCE (Con.)

**WIS.—Rhinelander**  
 Spafford & Cole (Potato  
   Shippers) .....A  
**WIS.—Stevens Point**  
 Copps & Co., E. M. (Potato  
   Shippers) .....A  
**WIS.—Stratford**  
 Conner & Co., R. (Potato  
   Shippers) .....AAAA  
**WIS.—Warren**  
 General Store Co. (Potato  
   Shippers) .....A  
**WIS.—Wausau**  
 Livingston Merc. Co. (Pota-  
   to Shippers) .....A













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